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EDITORIAL NOTES

VOLUME 26

The Columbus meetings
The Columbus meetings. The affiliation of societies for agricultural science
The ethical side of experiment station practice
The provision of agricultural teachers.
The decline of the station annual report.
Dr. John B. Smith, deceased.
The occupation of the agricultural college graduate.
Agricultural extension at the Southern Commercial Congress.
The organization and administration of extension work
Volume 27
The need for research in home economics
Fifth session of the Graduate School of Agriculture1
The agricultural appropriation act of 1912-13
Dr. M. A. Scovell, deceased
The anniversary of agricultural education
The influence of the land-grant colleges on higher education6
The semicentennial of the National Department of Agriculture
The quarter centennial of the experiment station system
VOLUMN 28
A closer union of agricultural libraries
Practical experience as a part of the agricultural course
The agricultural appropriation act, 1913-14.
The retirement of Secretary Wilson.
The coordination of State agricultural institutions
The agricultural engineer and some of his opportunities.
Increasing interest in agricultural meteorology.
Opportunity for study of the meteorological conditions of plant environ-
ment
Volume 29
Fourth session of the General Assembly of the International Institute of
Agriculture
The Tenth International Congress of Agriculture.
The quarter centennial of Prof. Thorne's directorship
Fiftieth anniversary of the American Veterinary Medical Association 3
The administrative management of the modern station 4
The moral of 25 years
The essentials of research
Convention of Association of Agricultural Colleges and Experiment
Stations6 Closer relations between the Department of Agriculture and experiment
Closer relations between the Department of Agriculture and experiment stations
Research, experiment, and demonstration
The essentials of research
Lines of demarcation between experiment and demonstration
Anti-turner and substantial and seek and and an annual seek and an action of the substantial and property of the second of the s

VOLUME 30

I
The letters and writings of Dr. S. W. Johnson
Rediscovered ideals for agricultural investigation.
Progress of studies in animal nutrition
Requirements of feeding experiments
Need of redirection of experimental work in animal husbandry
The "Village Moderne" at the Ghent Exposition.
The opportunity of the agricultural collega for civic betterment
Journal literature of agricultural science
The essentials of a scientific paper
Functions of criticism in agricultural science
The agricultural extension act
State and National cooperation in agricultural extension
The Louisville conference on country-life development
Rural sanitation—an opportunity for extension work
Volume 31
The agricultural appropriation act, 1914-15
Formation of the American Association of Agricultural College Editors
Sixth session of the Graduate School of Agriculture
The United States and Canadian commissions on vocational training and
some of their conclusions as to agricultural education
An agency for the publication of agricultural research
The organization of a section for agriculture in the American Association.
Plant physiology in agricultural courses
Study of the life of the plant in field experiments
Volume 32
The Washington convention
Some effects of extension development
Renewed importance of agricultural research
The new Section of Agriculture in the American Association
Some aspects of the field of rural economics.
The habit of concentration
The qualities and conditions of research
A plea for the small laboratory
The agricultural appropriation act, 1915-16
A notable contribution to station literature
The need of constructive ideals in research
Economic aspects of experiment station work
Experimental inquiry and economic inquiry
Relation of the experiment stations to studies in rural economics
VOLUME 33
Establishment of the States Relations Service
Review of the Office of Experiment Stations.
Progress in the organization of agricultural extension work under the
Smith-Lever Act
Some administrative problems being encountered
The Berkeley convention of the Association of American Agricultural
Colleges and Experiment Stations
The preparation of men for teaching and research in agriculture
The effective correlation of station and extension work

EDITORIAL NOTES

Some other problems before the association
Some problems in publishing experiment station work
The practice of outside publication.
The need of a systematic procedure.
The element of chance in agricultural experimentation and investigation.
Fourth Convention of the International Association of Dairy and Milk
Inspectors
VOLUME 34
Seventeenth Annual Convention of the Association of Southern Agricul-
tural Workers.
The more effective coordination of experiment station work
Dedication of memorial to Col. W. H. Hatch
Experience v. investigation in agriculture
The basis for agricultural extension and demonstration
Interpretation of experiment station work through extension
Dr. E. W. Hilgard, deceased
Agriculture at the Second Pan American Congress
Science and common sense
The growth of the science spirit
Establishment of a Division of Agricultural Meteorology in the United States Weather Bureau
Recent progress in agricultural meteorology
The experiment station as a field for the research worker
. Volume 35
Impressions of the stations in the Southwest
Rural credits legislation in its relation to the agricultural colleges and
experiment stations
The Federal farm loan act
The agricultural appropriation act, 1913-17
Seventh Graduate School of Agriculture
Agriculture and the war in Europe
Effect of the war on agricultural institutions
The Washington Convention of the Association of American Agricultural
Colleges and Experiment Stations.
VOLUME 36
The New York meeting of the American Association for the Advancement
of Science.
The adjustment of science to practice
Qualities and organization of research and experiment
Coordination in scientific effort
The training of investigators
Graduate students as research assistants
Physics in agricultural investigation
A decade under the Adams Act
The agricultural appropriation act, 1917-18
The experiment stations and the war
The coordination of science and practice in agriculture
The Federal Aid Vocational Education Act

Volume 37
The response of the experiment stations to the present emergency
The adjustment of theory and practice to war conditions
Adequate station administration
Some tendencies under deficient administration
The Federal food production act
Research and the research worker in relation to national affairs.
The development of American technical agricultural journals
The thirty-first annual convention of the Association of American Agricul-
tural Colleges and Experiment Stations
Attendance at the agricultural colleges as affected by the war
.1000HQBHOO BU THE BETTORIVERED COLORED BD BETTORIOG DJ VIIO WHILLIAM
Volume 38
The opportunity for individual service
Helping to win the war
Closer relation of station and extension forces
An agricultural program
The regulation of agriculture abroad
"Speeding up" food production in England
Report of the commission on the investigation of agricultural education in
Massachusetts
Agriculture under reconstruction
The place of the experiment stations in a reconstruction program
A decade of development of the insular experiment stations
Proposed station work in the Virgin Islands
The first decade of the International Institute of Agriculture
Volume 39
The development of agricultural research in Australia
Scientific activity as a national asset
Responsibility for the development of science
The agricultural appropriation act, 1918–19
Reconstruction measures in Great Britain
The outlining of an agricultural policy
A new attitude toward cooperation and coordination
The organization of science for research.
The thirty-second annual convention of the Association of American Agri-
cultural Colleges and Experiment Stations.
-
Volume 40
The present position and outlook of the stations
Some effects of association
The need for safeguarding agricultural investigation
The Rothamsted Station in war time
Suggestions for agricultural education and research in Victoria
Birmingham meeting of the Southern Agricultural Workers
Abstract journals after the war
The return of station workers from war service
The influence of the war on station work in the future
The organization of agricultural research work in India
Science and prophecy
Elements of progress in research.
Long-continued projects

SUBJECT INDEX

Note.—The numbers inclosed in parentheses refer to volumes, the others to pages.

```
Abortion-Continued.
 Abaci-
                binder twine from, (27) 534.
                                                                                                                                                                                                                                      in mares—
and cows, (39) 188.
and jennets, (34) 185.
cause, (22) 880; (31) 683; (33) 183.
immunization, (35) 80.
in Ontario, (33) 879.
studies, (31) 881;
pigs, (31) 886; (36) 483.
notes, (27) 77, 181; (31) 177; (40) 778.
papers on, (34) 184, 575.
persistence of bacillus, (30) 583.
prevalence in—
                                                                                                                                                                                                                                        in mares
               binder twine from, (27) 532;
culture and grading, (32) 828;
culture experiments, (30) 434; (30) 229;
culture in Philippines, (30) 230;
fiber, anatomy, (36) 229;
fiber, strength, (29) 313;
noes, strength, (29) 313.
insects affecting, (38) 160.
production in Philippinos, (39) 231.
standard grades, (36) 634.
Abbe, C., biographical sketch, (35) 699.
Abbella—
Abbotan elemataria, studies. (36) 54.

Abbotan elemataria, studies. (36) 54.
                                                                                                                                                                                                                                         prevalence in-
                                                                                                                                                                                                                                      prevalence in—
Canada, (36) 179.
Great Britain, (34) 382.
Rhodesia, (35) 76.
United States, (37) 274.
review of literature, (35) 884.
studies, (27) 580, 581; (29) 779; (33) 278, 384; (34) 386; (37) 779; (39) 289; (40) 184, 383.
transmission by milk, (36) 480; (37) 78, 79; (38) 286; (39) 83.
 Abderhalden-
                protective ferments of, diagnostic value, (33)
 279, reaction, studies (34) 577, 674; (35) 73, 179; (36) 380, 381; (39) 583, 886. test, quantitative application. (32) 372. test, sensitization of substratum for, (33) 385. Abora gardneril, culture experiments, (31) 441. A bia inflata, notes, (28) 158.
                                                                                                                                                                                                                                        286; (39) 83.
treatment, (30) 184, 279; (40) 782, 885.
vaccine for, (34) 184.
                                                                                                                                                                                                                         Abrin-
                                                                                                                                                                                                                        Abrin—
and its antitoxins, (32) 78.
in locust seeds, (30) 204.
investigations, (31) 775.
notes, (26) 676.
Abscess formation in hogs due to vaccination, (39) 302.
Abscission in—
Coleus blumel, (40) 325.
plants. (36) 225.
                balsamea as host of forn rusts, (29) 645.
concolor, length of tracholds in, (33) 143.
concolor, oils of, (33) 203.
 Ablerus-
                clisiocampae, notes, (26) 152; (27) 556; (36) 556;
 (37) 607.
n.sp., notes, (27) 556.
perspeciesus n.sp., description, (36) 259.
Abney hand level, use, (33) 393, 843.
Abor tea, notes, (29) 463.
                                                                                                                                                                                                                        plants, (36) 225.
Solanaceae, (39) 226.
Absinth, notes, (27) 665.
Absorbonts, effect on soils, (36) 214.
Absorption—

Absorption—

(38) 210
                                                                                                                                                                                                                       Absorption—
and evaporation, (38) 210.
and transpiration in plants, differentiation,
(26) 822.
in solutions, discussion, (27) 215.
pipettes, description, (40) 308.
review of investigations, (36) 622.
test, Castellani's, (40) 288, 579.
Abstract journals after the war, (40) 304.
Aburachan seed, oil of, (37) 109.
Abutilon—
 Abortin-
 Abortim—
as an immunizing agent, (28) 380.
diagnostic value. (20) 81, 500; (31) 380.
tests, (28) 480, 586.
therapeutic value, (34) 82.
Abortion—see also Bacillus abortus.
and storilly in cows, (20) 80, 81.
bactorium in milk (27) 281.
bactorium in milk (27) 281.
              bacllus, see Bacillus abortus.
bacterium in milk, (27) 281.
bibliography, (30) 681.
blood tests, (40) 885.
control, (38) 687; (39) 681.
control in England, (36) 275.
control in Michigan, (37) 274.
control in Oregon, (37) 374.
diagnosis, (26) 585, 681; (27) 581, 582, 682; (28) 284, 379, 380, 480; (29) 586, 779; (30) 184; (31) 376, 380; (38) 284; (34) 880; (35) 681; (37) 276.
dissemination, (36) 277.
effect on milk, (33) 774.
epizootic—
                                                                                                                                                                                                                        Abutilon-
                                                                                                                                                                                                                                      moth, studies, (30) 157.
mucilage of, (40) 819.
spp. as host of cotton pests, (39) 160.
theophrasti seeds, permeability, (38) 126.
                                                                                                                                                                                                                         Acacia-
                                                                                                                                                                                                                                     ants of Central America, (31) 452.
arablea, beetles, affecting, (27) 863.
arablea, descriptive account, (38) 45.
descriptive notes, (36) 45.
false, as coffee substitute, (40) 508.
farnesiana injurious to horses, (37) 778.
gummosis, notes, (30) 543.
rullissima...
              epizootic—in catile, (29) 481.
cows, (28) 381.
domestic unimals, (33) 578.
mures, (24) 281; (30) 586.
sheep, (30) 484.
etiology, (27) 578.
imunization, (26) 578; (28) 380; (30) 184; (33) 679; (36) 481.
in cattle, (27) 77, 287, 478, 885; (28) 585; (29) 80, 305, 500, 677, 778; (31) 285, 779; (34) 581, 782; (35) 784, 879; (36) 82, 383, 075, 676, 680, 777, 881, 882, 883; (37) 181, 482, 687, 691; (38) 170, 183, 486, 588, 684, 787, 796; (39) 81, 83, 289, 391, 491, 589, 890; (40) 80, 290, 585, 782.
cattle, treatment, (28) 781; (29) 969.
                epizootic-
                                                                                                                                                                                                                                      mollissima-
                                                                                                                                                                                                                                                     anatomy and distribution of tannin in, (33) 522.
mothing in, (33) 151.
nodules, analyses, (28) 815.
sap ascent in, (29) 524.
match be acide nitrogen in, (34) 729
                                                                                                                                                                                                                                     pycnantha seeds, nitrogen in, (34) 729.
seedlings, studies, (39) 226.
seedlings, variation in, (35) 329.
spp., analyses and digestibility, (27) 871; (32)
                                                                                                                                                                                                                       spp. of Australia, description, (36) 844.
Acadias—
                          covs, (20) 381, 681, 781; (29) 969.
cows, (20) 381, 681, 784; (30) 280; (32) 82, 581, 677.
live stock, (28) 883.
marcs, (27) 77; (36) 282; (36) 780; (39) 891.
                                                                                                                                                                                                                      economic importance, (30) 146.
of South African thorn veld, (39) 525.
tannin-yielding, of Sanegal, (31) 889.
Acallodes spp., notes, (30) 357.
```

```
Acetylene—Continued.
gas for heating and lighting, (38) 190.
gas for mange parasites, (35) 279,
waste products as source of lime, (38) 22.
Achaeta moria, notes, (31) 58.
Acherotia lachesis, studies, (40) 62.
Achetia lachesis, studies, (40) 62.
Achetidea of South America, (37) 167.
Achillea millefolium, volatile oil of,; (35) 807.
Achiya sp., reproduction in, (38) 225.
Achoreutes armatum, notes, (27) 658; (36) 854.
Achorion—
Acalypta grisea n.sp., description, (37) 563.
Acamatus schmitti destructive to Argentine ant,
       (31) 256.
Acanthaphis n.g., description, (40) 60.
Acanthia lectularia, see Bedbugs.
Acanthis linaria destructive to Chinese cotton scale,
        (26) 556.
(26) 556.
Acanthocephala—
American species, (39) 359.
notes, (39) 892.
p.r.sistic in birds, (31) 184; (39) 556.
review of studies, (31) 154.
Acanthomyops interjectus, remedies, (34) 62.
Acanthorhynchus vaccinii, treatment, (39) 749.
Acanthoscelides obtectus, see Bean weevil.
                                                                                                                                                                                         Acnorion—
quinckeanum infection, studies, (40) 583.
schonleinu, studies, (40) 483.
Achorutes viaticus, biology, (32) 552.
Achraca grisella, immunity to tuberculosis, (31) 155.
Achras, riponing processes of, (26) 310.
Achroodevirinase, bacterial, preparation, (37) 411.
Achrysocharella albitibiae n.sp., description, (37)
  Acari-
 parasitic on mammals and birds in Great
Britain, (37) 859.
parasitic on rodents, (33) 159.
Acarids, new, of Italy, (38) 460.
Acarina—
                                                                                                                                                                                                 667.
                                                                                                                                                                                           Achrysocharelloidea in North America, (36) 557.
                                                                                                                                                                                           Acid-
                                                                                                                                                                                                       accumulation and destruction in large succulents, (34) 730.
albumin, production of anaphylaxis by, (26)
 Acarina—
monograph, (34) 458.
of Barbados, (40) 56.
parasitism in, (27) 866.
Acarophena tribolii n.g. and n.sp., notes, (40) 855.
Acaulium spp. in Norway, (31) 327.
Acaulona peruviana n.sp., notes, (29) 358.
Accipiter cooperi, notes, (27) 355.
Accilimatization of plants, (30) 328.
Accounting farm, see Farm accounting.
                                                                                                                                                                                                        amids, ammonification in soils, (32) 718. amids as sources of ammonia in soils, (29) 723. amids, behavior in soils, (28) 813. amins, determination and transformation in soils, (31) 515.
                                                                                                                                                                                                         excretion
   Accounting, farm, see Farm accounting.
                                                                                                                                                                                           excretion—
as affected by water drinking, (34) 763.
during fasting, (30) 764.
of roots, (27) 514.
studies, (29) 62.
phosphate, see Superphosphate.
reaction on milk, (27) 810.
Acidia heraclei, notes, (33) 860, 862.
  A.cer-
               macrophyllum, notes (27) 846.
platanoides, measurements of hypocotyl, (28)
  pseudoplatanus—
regional spread of moisture in, (40) 541.
variations in salt content, (29) 28.
Acerates viridifiora, leaf variation in, (27) 741.
Acerbia maydis n.sp., notes, (37) 148.
Acerophagus n.spp., descriptions, (25) 858; (40)
                                                                                                                                                                                            Acidimetric—solutions, standardization, (31) 501. titrations, indicator for, (39) 807.
                                                                                                                                                                                           Acidimetry—
indicator for, (36) 13.
of chlorinated solutions, (39) 506.
of colored solutions, (39) 503.
         359.
    Acetaldehyde-
                in grape must, (36) 801.
in orchard fruits, (37) 246.
synthesis in fruits, (35) 611.
                                                                                                                                                                                           Acidity—
as test for flour, (33) 64.
determination in—
    Acetamid-
                as source of ammonia, (29) 723.
assimilation by plants, (26) 32.
nitrification rate, (32) 124.
                                                                                                                                                                                                         flour, bread, etc., (33) 14.
milk, (28) 113; (32) 606.
potatoes, (34) 807.
silage, (30) 415.
soil, see Soil acidity and Soils, acid.
    Acetanilid-
     Acetaniid—
determination in headache tablets, (27) 499.
methods of analysis, (33) 413.
Acetates. determination, (27) 617.
                                                                                                                                                                                            Acidosis
                                                                                                                                                                                                         and creatinuria, (40) 765.
catalase in, (38) 870.
causes, (35) 473.
     Acetic acid-
                decomposition by sunlight, (30) 431.
detection in ethyl alcohol, (29) 312.
determination (33) 804; (38) 506; (39) 506.
                                                                                                                                                                                                         effect on creatin elimination, (36) 161.
in omnivora and herbivora, (32) 566; (33) 368;
                determination (33) 804; (38) 506; (39) 506.
effect on—
bread fermentation, (27) 288.
calcium phosphate, (36) 712.
hemolytic reaction, (38) 878.
inner qualities of rubber, (37) 347.
milk fat, (34) 807.
Penicillium glaucum, (26) 203.
rotatory power of sucrose and invert sugar, (37) 802.
in silage, (27) 205; (28) 608.
manufacture on rubber estates, (38) 715.
preparation from corncobs, (40) 17.
production from wood, (28) 50.
rolle in digestion, (36) 763.
                                                                                                                                                                                                                 (34) 261.
                                                                                                                                                                                                          studies, (34) 462, 763.
                                                                                                                                                                                             Acids
                                                                                                                                                                                                         absorption by plant tissue, (37) 433. alkaline reaction in soils, (30) 122; (34) 720;
                                                                                                                                                                                                         amino, see Amino acids.
and salts, antagonism between, (34) 429.
as affected by humus acid, (34) 324.
detection in cheese, (32) 313.
                                                                                                                                                                                                           determination in-
                                                                                                                                                                                                                       cane juice, (27) 814.
fruit juices, (39) 107.
oils and fats, (26) 411.
soils, (28) 708.
      rôle in digestion, (36) 763.
toxicity, (28) 661.
Acetic ether as soil disinfectant, (31) 621.
Acetin as butter adulterant, (26) 508.
                                                                                                                                                                                                                       cet on—activity of sucrase, (27) 803.
Aspergillus niger, (27) 848; (29) 734.
bread fermentation, (27) 268.
catalase of taka-diastase, (31) 13.
concrete, (29) 184.
denaturation rate of proteins, (29) 502
growth of rice, (34) 31.
lime requirements of soils, (36) 210.
malt diastase, (31) 806.
metabolism of pigs, (30) 268.
permeability, (34) 429.
plants, (37) 224.
rotatory power of sucrose and invert s
                                                                                                                                                                                                           effect on
      Acetone
                 atone—
alcohol, nature and use, (26) 580.
determination, (39) 311.
effect on hemolytic reaction, (36) 878.
in milk, (35) 202.
production from wood, (28) 50.
sterlization of soils by, (32) 816.
waste products as source of lime, (38) 22.
atyl—
       Acetyl-
      Acetyl—group, occurrence in lignin, (27) 310. number of oils, determination, (31) 713.

Acetylene—detection, (34) 714. for small lighting plants (28) 788. gas, effect on plants, (27) 826.
                                                                                                                                                                                                                         rotatory power of sucrose and invert sugar.
(37) 802.
                                                                                                                                                                                                                         seed germination, (26) 131; (36) 29.
```

t the Continued	A 1
Acids—Continued.	Acrobasis—
effect on—continued.	caryae, notes, (28) 554; (40) 259.
soil bacteria, (37) 213.	nebulella, studies, (38) 656.
soil granulation, (26) 420. excretion by roots, (37) 222; (39) 27.	spp. affecting pecan, (38) 157, 762; (39) 577.
fatty, see Fatty acids.	spp., notes, (38) 256.
hydrolyzing power in presence of invertase, (30)	A crocercops cramerella— notes, (29) 855.
806.	relation with cacao ant, (39) 156.
importance in digestive processes, (31) 772.	Acrocercops—
inhibition of oxidase activity by, (37) 9.	sp., notes, (31) 849.
"l'oclair blou" tost. (40) 311.	strigifinitella, see Neurobathra strigifinitella
localization in fleshy fruits, (25) 226; (36) 110.	Acroceridae of North America (40) 757.
mineral, action on natural phosphate rock, (36)	Acrocomia selerocarpa, oil content, (31) 234
711.	Acrocy: tis batatae—
monoamino, detection in presence of polypep-	notes, (33) 347.
tids, (27) 410.	studies, (34) 156; (36) 544.
monobasic, as affected by Bulgarian ferment,	Acropteron rufipes, notes, (32) 352.
(26) 203.	Acroptilon pieris, notes, (32) 436.
nonvolatile, of butter, refraction, (27) 312.	Acrostalagmus—
nonvoluting, of Dutter, refriction, (27) 312. of agricultural products, identification, (40) 13. fruit wines, (37) 310. honey, (28) 166. humus, (33) 609.	albus, description, (33) 459.
fruit wines, (37) 310.	caulophagus n.sp., description, (28) 348. sp. on maples, (33) 249, 544.
honey, (28) 166.	sp. on maples, (33) 249, 544.
humus, (33) 609.	sp., relation to potato stem lesions. (39) 619
organic, action on pepsin, (50) 765.	Acrylic acid, isolation from soils, (28) 418.
organic, as affected by fungi, (27) 526.	Actia pilipennis—
organic, effect on—	biology, (39) 658.
carbon assimilation of plants, (27) 525.	notes, (35) 659.
fungi, (26) 203.	Actinidias, Asiatic, notes, (28) 841.
respiration of seeds, (27) 729.	Actinomyces—
tin, (26) 867. wheat bread, (27) 462.	allo-roseus, notes, (31) 15.
organic—	as affected by acidity, (40) 644.
humification, (38) 26.	as affected by cold, (34) 538.
in soils, (32) 718.	notes, (40) 844, 847.
reactions of ions and molecules, (37) 201.	relation to temperature, (33) 245.
rôle in—	studies, (32) 546; (33) 547.
digestion, (36) 763.	treatment, (39) 755.
germination of seeds, (29) 26; (30) 521.	in limed cranberry soils, (40) 214.
toxic inorganic, effect on plant growth, (30) 130.	lanfranchii, studies, (37) 482.
toxic inorganic, effect on plant growth, (30) 130. toxicity, (28) 661. vegetable, toxicity, (28) 443.	lanfranchil, studies, (37) 482. melanocyclus, notes, (31) 14.
vegetable, toxicity, (28) 443.	odorifera, notes, (26) 881.
volatile	penicilloides n sp., studies, (40) 721.
aliphatic, of silage, (28) 608, 609.	peniculories n sp., studies, (40) 721. pheochromogenus n.sp., description, (37) 517. poolenss n.sp., association with Cytospora hatata, (30) 458.
determination, (37) 803.	poolensis n.sp., association with Cytospora
determination in wine, (36) 112.	hatata, (30) 456.
determination in wine, (36) 112. fatty, determination, (30) 506; (37) 13, 413;	SCAINES, 110 LCS, (30) 140,
(38) 504.	scubies, studies, (36) 847.
fatty, distillation, (33) 414.	sp. in Norway, (34) 226.
fatty, effect on milk secretion, (32) 471.	spp., proteolytic activity, (40) 721.
fatty, variation in milk fat, (30) 272.	Actinomycotes—
formation after fermentation, (27) 223.	as affected by inorganic salts, (36) 526.
in honey, (26) 25; (27) 112.	function in soils, (35) 525; (36) 518. in soils, (29) 222; (37) 517.
in ripening choose, (28) 879.	111 SOIIS, (20) 222; (37) 517.
production by anaerobic bacteria, (33) 30.	nitrogen transformations in, (31) 324,
Acidum nucleinicum, nature and use, (26) 580. Acne in horses, treatment, (33) 286.	pathogenic, studies, (40) 478. Actinomycosis—
Acocephalus—	uento in horses (98) 787
spp., life histories, (35) 553.	acute, in horses, (26) 787. bovine, notes, (34) 782.
spp., life histories, (35) 553. striatus, notes, (33) 356.	bovine, pathology, (35) 488.
A cokanthera venenata, notes, (35) 678.	in cattle. (29) 886.
Aconitum columbianum, description, (39) 386.	in cattle, (29) 888. in South American ox tongues, (31) 882.
Acontia delecta, studies, (40) 754. Acontianae in British Museum, cutalogue, (28) 856.	notes, (32) 781.
Acontianne in British Museum, cutalogue, (28) 856.	of the mammary gland in dairy cattle, (30) 884
Acorn poisoning in cattle, (26) 586.	of the rectum in horses, (27) 86.
Acorns—	Actinonema rosae—
analyses, (26) 371, 872; (38) 410.	notes, (29) 552; (30) 587; (37) 348. perfect stage of, (26) 680; (28) 449. treatment, (27) 747; (38) 453. Actinopelte japonica (7) on ook, (33) 250.
analyses and feeding value, (31) 365.	perfect stage of, (26) 650; (28) 449.
composition and digestibility, (27) 669.	treatment, (27) 747; (38) 403.
dryling, (27) 669.	Actinoperte japonica (1) on oak, (33) 200.
feeding value, (30) 169; (32) 566; (38) 168.	Acuaria spp. parasitic in fewls, (31) 184.
for fowls, (35) 172.	Acucula saltans n.g. and n.sp., description, (30) 159. Acythopeus—
germinating, (36) 242, storage in winter, (29) 343.	citrulli n.sp., description, (35) 365.
tannin-colloid complex in, (28) 528.	gilvonotatus n.sp., description, (40) 655.
Acorus calamus, oils of, (34) 407.	orchivora, notes, (40) 754.
Acremonium alternatum, notes, (32) 843.	Adalia-
Acremonium sp., notes, (28) 733.	bipunctata
Acridians-	negative geotropism of (30), 357.
injurious in Nova Scotia, (37) 156.	notes, (30) 657.
insect enemies of, (32) 848.	studies, (39) 663. spp., life history, (33) 562. Adams Act—
Acrididae—	spp., life history, (83) 562.
egg-laying habits, (Adams Act—
injurious in north Georgia, (36) 252. of Minnesola, (31) 650; (32) 753.	Summiscering rund, (20) 659.
of More Sectio (32) 152	decade of work under, (36) 301. research at Cornell, (28) 639.
of Nova Scotia, (38) 156. Acridinae, notes, (27) 858.	A dengania digitata Abar from (27) 594
Apridity in plants (24) 721	Adansonia digitata, fiber from, (37) 534.
Acridity in plants, (34) 731. Acridium peregrinum, see Locusts, migratory.	Adelencyrtus odonaspidis n.sp., notes, (29) 253. Adelphocoris rapidus, notes, (33) 352, 744.
Acridoidea. South American, notes, (27) 55.	Adelura apii, notes, (38) 862.
Acriflavin, antiseptic value, (39) 680; (40) 182.	Adelura gahani n.sp., description, (38) 264.

	Asmortisidas
Adenin—	Aenasioidea— latiscapus n.g. and n.sp., description, (26) 254.
antineuritic properties, (40) 271. in cow's milk, (37) 308; (38) 506.	n.spp., descriptions, (35) 858.
hops, (32) 502.	Aenoplegimorpha phytonomi—
molasses, (29) 614. mulberry leaves, (31) 203.	n.sp., description, (29) 563.
mulberry leaves, (31) 203.	notes, (27) 561.
rice polishings, (33) 167.	Aenoplex— carpocapsae, notes, (38) 565.
soils, (28) 118 tea, (31) 358.	n.spp., descriptions, (35) 262.
A denitis, caseons, in Swine, (37) 82.	nigrosoma n.sp., description, (38) 565.
Adenosin, metabolism of, (32) 256.	plesiotypus, notes, (38) 565.
Adia genitalis, notes, (31) 852, (34) 449.	sp., studies, (26) 458.
Adipocere, composition, (37) 309. Adipose tissue, histogenesis of, (26) 366.	Aeoloplus bruneri, remodies, (34) 159. Aeolothripidae, synopsis, (31) 452.
Adisura atkinsoni, notes, (38) 359.	Aeolothrips—
Adjab fat, detection, (29) 613.	bicolor, notes, (28) 250.
Adobe as building material, (27) 599.	fasciatus, notes, (28) 250, 452.
Adonite as source of carbon for molds, (30) 226.	floridensis n.sp., description, (37) 561.
spp., notes, (29) 858.	North American species, (37) 561. vitis, notes. (32) 754.
tenuimaculatus in Hawaii, (34) 59.	vitis, notes, (32) 754. Aeration of soils, see Soils, acration.
umbrosus, remedies, (38) 842.	Aerial contamination in ametric infections, (26) 677.
vestitus in Samoan Islands, (33) 158.	Aero-electric plant, construction, (34) 191.
Adoxus obscurus, see Grape root worm. Adrenal functioning, dependence on pituitary se-	Aerological— observations, (40) 19, 209, 715.
cretion, (29) 882.	research in Canada, (35) 618.
Adrenalin-	research in Canada, (35) 618. Station, Drexel, (36) 419.
determination in blood, (29) 408.	Aerology, standard units in, (31) 015
effect on milk production, (37) 173, 272. effect on sex determination, (28) 68.	Aerostatic hairs of lepidopterous larvae, (30) 55. Aeschynomene—
neutralization of tetanus antitoxin by, (30) 479.	americana, culture, (34) 736.
use against milk fever, (26) 580.	indica as a green manure, (38) 234.
Adrenals, effect on diabetic metabolism. (33) 754.	Aesiotes leucurus, notes, (27) 60.
Adsorption—	Afermol, nature and use, (26) 580.
phenomena, review of investigations, (35) 432. use in biochemical analysis, (29) 408.	Afforestation, see Forestation. African coast fever—
Adults and infants, digestion in, (34) 167. Advisory Board of American Plant Pathologists, (40) 698.	blood observations III. (36) 479.
Advisory Board of American Plant Pathologists,	complement fixing in, (26) 882.
(40) 698.	complement fixing in, (26) 882. immunization, (26) 173, 683, 882; (29) 284, 476; (31) 585; (32) 273; (35) 678.
Adzuki beans— description, (31) 739.	(31) 385; (32) 273; (35) 578.
for classroom work in genetics, (37) 831.	notes. (28) 478; (34) 879.
notes, (26) 362.	transmission, (26) 882; (29) 584; (30) 79.
studies, (40) 131.	investigations, (26) 678. notes, (28) 478; (34) 879. transmission, (26) 882; (29) 584; (30) 79. treatment, (33) 478.
varieties, (26) 829. Aecidium	Airican horse sickness—
blasdeleanum on pome fruits, (31) 150.	immunization, (26) 579. transmission by Stomoxys calcitrans, (28) 756.
callistephi n.sp., description, (34) 242.	Agalactia, contagious—
clematidis, effect on leaves of host, (37) 549.	in goats, (39) 492.
enceliae n.sp., from the Andes, (40) 133.	in goats and sheep, (29) 179; (30) 584; (31) 884;
gossypii, notes, (40) 154. gossypii, studies, (38) 149.	(40) 782, 783. Agallia sanguinolenta—
grossulariae, notes, (33) 647.	notes, (27) 858.
index of species, (29) 749.	remedies, (35) 465.
lacturae sativae, notes, (30) 448.	Agaonella larvalis n.g. and n.sp., description, (30) 55.
myricatum and Gymnosporangium ellisii, iden- tity, (32) 341.	Agaonidae of Australia, (39) 154.
sorbi and Uredo nootkatensis, identity, (35)	Agar—
844.	ash analyses, (29) 861.
sp. on pomaceous hosts, (31) 345.	for bacteriological use, (36) 131.
spp., telial stages, (36) 245. tubulosum and A. passifloriicola, studies, (40)	Japanese, chemical studies of algae used in,
844.	(40) 110. use in food products, (34) 167.
Aedes	anaphylatoxin, studies, (37) 579.
argenteus—	effect of intravenous injections, (37) 580.
as carrier of dengue fever, (39) 263; (40) 552. development in relation to bacteria and yeasts, (37) 763.	nutritive value and use, (36) 864. plates, filling and inoculation (40) 805.
yeasts, (37) 763.	plates, photographic records, (40) 881.
distribution and pionomies (27) 656	sources, preparation, and composition, (36) 716.
eggs, vitality, (39) 157. in Russia, (33) 749.	Agaricus—
notes, (28) 254; (29) 656; (35) 258, 361.	campestris—
studies, (29) 252.	composition, (30) 804. effect on red blood corpuseles, (30) 879.
new, of California, (36) 552.	nutrition, (26) 440.
scutellaris, studies, (29) 252.	nutrition, (26) 440. maximus, notes, (31) 247. melleus, notes, (38) 750; (35) 155; (40) 749.
spp., notes, (28) 254; (38) 766. sylvestris as anthrax carrier, (39) 161.	meneus, notes, (25) 750; (35) 155; (40) 749.
Aegeria—see also Sesia.	mucidus, notes, (27) 51. muscarius, precipitating serum for protein o
exitiosa, see Peach borer.	(30) 880.
tipuliformis, see Currant borer.	tabularis, effect on vegetation, (38) 222.
Aegerita webberi— description, (33) 459.	tabularis, effect on vegetation, (38) 222. Agathi weevil, egg-laying habits, (38) 359.
notes, (26) 350, 860.	Agati grandinora, notes, (29) 052.
Aegilops-	Agave— americans, composition, (40) 710.
and Triticum, hybrids of, (30) 341,	americana, composition, (40) 710. anthracnose, notes, (29) 346.
ovata, chromosome numbers in. (27) 636.	diseases, notes, (28) 850; (31) 54.
ovata, relation to cultivated wheat. (32) 131. spp., relation to wheat mildew, (35) 651.	fibers of Tunis, (37) 535.
Aelia germari cognata, notes, (30) 854.	rigida sisilana, culture in Sicily, (34) 227. sisalana, leaf disease of, (35) 846.
Aelia rostrata, notes, (35) 56.	

Agave-Continued.	Agricultural-Continued.
spp., binder twine from, (27) 534. spp., fibers, strength of, (29) 313.	associations—continued. of Mohammedans of Maghreb, treatise,
Agaves— culture in India, (28) 634, 736.	(30) 593.
feeding value, (40) 276.	bank of Philippines, (36) 689. banking in Burma, (39) 594.
fodder from (30) 371	banks in Pennsylvania, (27) 389.
fodder from, (30) 371. frozen, as affected by rapid thawing, (32) 43.	banks in South Africa, (39) 594. benevolent institution in England, (27) 795.
frozen, as affected by rapid thawing, (32) 43. in West Indies, (30) 526. manufacture of alcohol from, (26) 415.	botunical experiment station at Tabor, report, (28) 414.
of Durango, Mexico, (31) 132. studies, (27) 33. treatise, (33) 131.	botany institute at Cambridge, (39) 700
treatise, (33) 131.	budget of Russia, (30) 799. capital, benefits of, (28) 292.
Agenylostoma duodenale, anatomy and life history, (32) 759.	chemical
Age-	institute at Bern, report, (30) 618; (37) 311. institute at Zurich, report, (27) 413.
as a factor in animal breeding, (31) 367; (33) 265. relation to fecundity, (28) 767; (40) 468.	institutions, organizations, (31) 790.
Agelaius— phoeniceus, environment, life history, and	laboratory at Udine, Italy, report, (29) 119. station at Vienna, report, (26) 95.
ecology, (32) 151.	stations of Austria-Hungary, report, (28)
spp., destruction of locusts by, (28) 351. Agelarine," notes, (37) 744.	chemistry, see Chemistry. chemists, training, (31) 790.
lastica—	clubs—
(Galeruca) alni, notes, (28) 554. sp., notes, (27) 453.	decline in Oklahoma, (36) 94. for boys, (33) 599.
Ageniaspis fuscicollis, parasitism, (31) 458.	for boys and girls, (27) 898; (28) 194; (29)
Agglutinating principle in blood of transfused rabbits, (39) 554.	394, 395. in California, (38) 792.
Agglutination— acid, of bacteria, (27) 384.	high schools, (31) 96; (33) 94. high schools of Utah, (30) 794.
effect of sodium chlorid on, (40) 778.	Massachusetts, (30) 597; (34) 394.
notes, (32) 78. reaction, mechanism, (37) 376.	Massachusetts, (30) 597; (34) 394. Michigan, (30) 794. New England, (29) 695.
reaction, notes, (30) 204.	
reactions in hog cholera, (26) 785; (27) 289, 384. studies, (40) 82.	Pennsylvania, (31) 393. Poland, (31) 690. West Virginia, (31) 297. junior, formation, (28) 792. junior, in Oklahoma, (27) 395. organization, (31) 490; (38) 196.
technique and methods, (26) 676.	West Virginia, (31) 297.
diagnostic value for abortion, (29) 586.	junior, in Oklahoma, (27) 395.
rapid method, (39) 887. standardizing reports, (38) 78.	organization, (31) 499; (33) 196. suggestions for, (31) 793.
Agglutinin—	collections for school laboratories, (33) 899.
disappearance from blood of anaphylactic and normal animals, (37) 76.	college— at Uckfield, England, closing, (34) 498.
from beans, (37) 81.	editors, American association of, (31) 101, 199,
Agglutinins, experimental production in animals, (30) 878.	graduates, occupation, (26) 601. in Alaska, (32) 499.
Aggregata eberthi, chromosome cycle, (34) 458.	in Alasku, (32) 499. Ceylon, (30) 200. Devonshire, (28) 399.
Aggregates, road, see Road materials. Aglaophenia helleri, biometrical study, (26) 162.	news service, development, (28) 11.
Aglycyderidae, catalogue, (26) 560. Agoutis, new, from Panama and Nicaragua, (37) 757.	of Philippines, (40) 499. colleges—see also Alabama, Arizona, etc.
Agrarian—	administrative organization, (40) 690.
matters, treatise, (29) 391. problem in Mexico, (34) 489.	and experiment stations, relation, (27) 490. state normal schools, relation, (31) 896.
protection in Belgium, (26) 93.	state universities, duplication in, (33)
reforms in Russia, (30) 192. system in England, treatise, (32) 793.	state universities, functions and rela-
Agrarianism, treatise, (31) 93. Agria affinis, studies, (29) 760.	tions, (39) 497. the farmer, (40) 396.
Agricere of soils, notes, (27) 621.	appointment and tenure of instructors in, (32) 195.
Agricultural—	as leaders in civic betterment, (30) 305.
activities of Jews in America, (29) 89. adviser, work and value, (88) 594.	attendance as affected by the war, (37) 701. botany in, (32) 393.
agencies, consolidation in British West Indies, (26) 495.	cooperation with public schools, (20) 290.
agencies in Peru, reorganization, (26) 698.	cost of instruction in, (32) 12. courses of study in, (28) 8; (29) 393; (33) 895.
and live stock producers, advisory committee, report, (39) 295.	effect on higher education, (27) 605. entomology in, (30) 298.
and mechanical society of South Carolina, his-	entrance requirements, (38) 795. extension work in, (32) 195, 196.
tory, (36) 688. apprenticeships, notes, (28) 296. appropriations in New York State, (30) 199.	extension work in, (32) 195, 196. forestry in. (26) 15.
appropriations in New York State, (30) 199. arithmetic, notes, (27) 898.	forestry in, (26) 15. genetics in, (29) 769.
arithmetic, textbook, (30) 795; (36) 597; (37) 95.	grouping of studies in, (26) 10. home economics in, (32) 690.
297. associations—	in Canada, age limit of students, (39) 199. in United States, statistics, (27) 797; (29)
cooperative, (38) 796. in Bavaria, (34) 301, 302.	807. (30) 304.
Canada, (33) 93.	increasing usefulness, (28) 791. laws concerning, (32) 496; (35) 94; (36) 598;
France under war conditions, (35) 693.	(38) 95.
Germany, (26) 15. Great Britain, (30) 391.	military instruction in, (32) 11, 194. military legislation affecting, (35) 509. organization and policy, (39) 708.
Italy, (33) 92. Notherlands, (27) 798; (31) 596; (33) 790.	organization and policy, (39) 708. organization lists. (26) 795; (28) 691; (31) 599;
Notherlands, (27) 798; (31) 596; (33) 790. Northern Europe, (27) 590.	organization lists, (28) 795; (28) 691; (31) 599; (34) 94; (36) 794; (39) 497. preparation of teachers by, (28) 97; (39) 595.
United States, (34) 280.	preparation of teachers by, (23) at; (39) bad

Agricultural—Continued.	Agricultural—Continued.
colleges, relation to— experiment stations and extension work,	cooperation—continued. in North Carolina, (30) 390; (32) 489; (33)
(31) 196.	491. Ohio, (31) 593; (32) 192.
military training, (39) 708. other institutions, (28) 90. reconstruction problems, (39) 702.	Ontario, (40) 193. Pennsylvania, (27) 389.
rural and secondary schools, (32) 11. United States Department of Agriculture,	Punjab, (30) 391; (40) 592. Russia, (33) 491; (39) 191.
(32) 194.	Saskatchewan, (34) 91; (37) 191; (38) 90;
colleges— response to war conditions, (37) 1, 603.	(40) 489. South Africa, (40) 93.
retiring allowances for, (32) 195.	Spain, (33) 787. Suffolk, (40) 592.
rôle in rural life, (27) 595. short courses in, (34) 297.	Switzerland, (27) 894; (33) 394; (37) 392.
statistics, (28) 691; (33) 193; (38) 91. technical subjects in, (31) 800.	Tennessee, (26) 795. Texas, (30) 591; (40) 893. the South, (27) 389.
treatise, (36) 791. tropical, notes, (31) 297.	United Kingdom, (26) 894; (27) 794; (28)
unprepared teachers in, (27) 490. war emergency work, (40) 294.	895. United States, (26) 92. 894; (36) 689; (37)
work and expenditures, (36) 794. colonization—see also Land settlement.	888; (38) 595; (40) 489, 591. various countries, (27) 590; (35) 893.
in Ontario, (27) 794. of Tripoli, (37) 791.	Vermont, (36) 92. Wisconsin, (28) 593, 895; (38) 293.
commerce, instruction in, (32) 393.	laws in New York, (40) 389.
commerce, textbook, (34) 595. Commission to Europe, report, (40) 493. committees of bankers' associations, (27) 399.	notes, (29) 692; (30) 792; (31) 294, 490, 894; (32) 191, 892.
committees of bankers' associations, (27) 399. communities, eugenics in, (40) 193.	organizing, (35) 296. papers on, (26) 388; (27) 793; (28) 96; (29) 555; (34) 288, 391; (35) 893.
communities, social survey of, (33) 394. competitions for boys and girls, (33) 196.	relation to European war, (36) 481.
competitions in Canada, (33) 697.	requisites of, (26) 594. State control of, (31) 593.
conditions— in Denmark, (29) 295.	suggestions for, (33) 491.
in Denmark, (29) 295. Dresden, (28) 594. Europe, (39) 703. France, Department of Corrèze, (37) 92 French Alps, (29) 190. Greef Entirin pad Iraland (32) 193	treatise, (28) 487, 790; (29) 89, 188, 294, 595; (30) 191; (31) 389; (32) 792; (33) 694; (38)
France, Department of Corrèze, (37) 92 French Alps. (29) 190.	190; (40) 591. value, (27) 690.
Great Britain and Ireland, (32) 193.	yearbook, (30) 693; (31) 593.
Litchfield Co., Connecticut, (38) 191. Michigan, southern peninsula, (28) 422. military zone of France, 1916, (39) 795. Norway, (31) 491. United States, (28) 387. conference in New York, (33) 199.	cooperative associations— in New England, (28) 688. in New York, (32) 287.
Norway, (31) 491.	18W, (35) 296.
conference in New York, (33) 199.	law in Indiana, (29) 294. notes, (37) 492.
contests in Wisconsin, (28) 92.	organizing, (32) 287, 489. cooperative—
contracts in Finland, (38) 392, cooperation—	credit societies in Punjab, (26) 389.
advantages, (29) 894.	law in Wisconsin, (26) 488. organizations, (32) 792; (38) 895.
as aid in war situation, (39) 795. bibliography, (29) 89.	cooperative societies— benefits, (26) 388.
consumer's view of, (31) 594. ethical principles, (26) 291.	in Bengal (35) 794. Bihar and Orissa, (36) 290.
examples of, (37) 594. handbook, (26) 92. in Argentina, (29) 595. Australla, (40) 592. Belgium, (40) 688. Bengal, (36) 593; (37) 291. Ribar and Orlsso, (30) 889 (40) 893	Bombay Presidency (35) 589: (37) 91
in Argentina, (29) 895. Australia, (40) 592.	Germany, (26) 92.
Belgium, (40) 688. Bengal, (36) 593; (37) 291.	France, (26) 388. Germany, (29) 92. Mexico, (28) 594. United Kingdom, (27) 192, 894.
Bihar and Orissa, (36) 689; (40) 893. Bombay Presidency, (26) 190; (32) 593.	Council of Nebraska, (28) 498. course for—
Bombay Presidency, (26) 190; (32) 593. Brazil, (30) 391. British Columbia, (32) 593.	elementary schools, (26) 392; (27) 298, 897; (28) 298.
Canada, (40) 193, 489, 688.	grammar school grades (26) 403
Denmark, (28) 593; (36) 392; (39) 192; (40) 689.	high schools, (26) 191; (27) 297; (29) 91; (30) 196, 393, 496, 597. rural schools, (29) 192; (30) 393, 394.
England and Wales, (27) 191. Europe, (29) 691; (30) 492; (31) 192, 593;	rurai schools, (29) 192; (30) 393, 394. Women, (30) 298.
(33) 394, 592, 593, (34) 91	courses— disrespect of students for, (37) 893.
Finland, (38) 191. France, (27) 92; (40) 92, 93. Germany, (28) 296; (33) 295, 693.	for high pohools (21) 402 400
Great Britain, (26) 895, Holland, (29) 693.	secondary schools, (32) 897.
Hungary, (30) 492.	teachers in Canada, (38) 297.
ireland, (27) 295, 891; (28) 593; (30) 693;	public schools, (31) 896, secondary schools, (32) 897. teachers, (30) 93; (33) 195. teachers in Canada, (38) 297. in colleges, (39) 193. high schools, (28) 898. secondary schools, (28) 693.
(40) 91. Italy, (40) 389.	secondary schools, (28) 693. plant physiology in, (31) 701.
Kansas, (33) 694. Massachusetts, (30) 192. Minnesota, (29) 392; (32) 688; (38) 190.	credit—
Netherlands, (31) 596.	address on, (27) 690. association in North Carolina, (32) 489.
New England, (31) 389. New Jersey, (26) 895; (27) 591; (29) 392;	credit associations— in America. (28) 488.
(40) 592. New York, (29) 692.	in America, (28) 488. in Canada, (30) 192. law in Indiana, (31) 594.

	10
Agricultural—Continued.	Agricultural—Continued.
credit banks—	credit—continued.
functions, (28) 294. in Argentina, (33) 893.	report on, (35) 296. short term, in ('onnecticut, (38) 793.
in France, (30) 894.	credit societies in —
in Victoria, (27) 93. notes, (30) 192.	Germany, (27) 590. India, (34) 893.
papers on, (34) 391.	St. Lucia, (40) 489.
credit—	credit
benefits, (29) 91. bibliography, (32) 389, 489.	statement, (40) 389. system, plan for, (39) 689
cooperative, in Europe, (27) 93. cooperative, in India, (31) 593. discussion, (27) 592; (28) 594, 790.	system, plan for, (39) 689. treatise, (32) 892; (33) 393, 787; (40) 892.
discussion, (27) 592; (28) 594, 790.	credit unions— cooperative, in United States, (28) 191.
Federal farm loan system, (39) 796.	in North Carolina, (34) 496.
for reclamation projects, (35) 392. handbook, (26) 504; (28) 389. m Ajmer-Merwara, (36) 392.	law, (35) 296. credit —
in Ajmer-Merwura, (36) 392.	use of, (31) 389
Argentina, (30) 603. Australia, (35) 392. Bohemia, (30) 792. British Columbia, (32) 593. British India, (26) 793. British India, (26) 793.	treatise, (34) 595, 894.
Bohemia, (30) 792.	Day in Ohio, (35) 299. demonstration, editorial on, (29) 701.
British India, (26) 793.	demonstration fields for schools, (31) 793.
Dittish inthe and Dutch wast indies,	department of Gold Coast Colony, (28) 794. depopulation in England and Wales, (32) 491.
(36) 493. California, (36) 593, (37) 190.	development—
California, (36) 593, (37) 190. Canada, (27) 894; (31) 390. Denmark, (29) 295. Dutch East Indies, (37) 91.	factors in. (37) 189. fund in Great Britain, (38) 794.
Dutch East Indies. (37) 91.	in German East Africa, (27) 595.
England and Wales, (27) 191.	Massachusetts, (33) 200.
294, 691, 895; (30) 296, 492; (31) 94, 389.	Nevada, (26) 599. northern Ontario, (36) 697.
593; (33) 592, 593; (34) 91.	Nyasaland, (26) 829, 830.
France, (26) 388; (27) 93; (28) 294, 488, 691; (31) 788; (36) 894; (40) 92.	United States, (32) 90. problem of southeastern coastal plain, (40)
Dutch East Indies, (37) 91. England and Wales, (27) 191. Burope, (26) 895; (28) 9, 293; (29) 90, 294, 691, 895; (30) 296, 492; (31) 94, 389, 593; (33) 592, 593; (34) 91. France, (26) 388; (27) 93; (28) 294, 488, 691; (31) 788; (36) 894; (40) 92. French colonies, (31) 203. German East Africa, (30) 792. Germany, (27) 94, 487, 795; (28) 594; (30) 295, 493; (32) 287. Hungary, (30) 492. Illinois, (31) 788. India, (30) 693. Ireland, (32) 286, 391; (33) 191, 294.	91.
German East Africa, (30) 792.	work by railroads, (40) 488. drafting, handbook, (30) 490.
(30) 295, 403; (32) 287.	economics, see Rural economics.
Hungary, (30) 492. Himos (31) 788	education—see also Agricultural instruction.
India, (30) 603.	and research in Victoria, suggestions for, (40) 105.
hteland, (32) 286, 391 ;(33) 191, 294. Japan, (29) 188.	as affected by European war, (35) 599.
Kansus, (28) 203; (33) 92; (35) 392. Mexico, (26) 594.	at International Congress of Agriculture, (30) 595.
Mexico, (26) 594. New Hampshire, (35) 90.	at Pan American Scientific Congress, (38)
New York, (32) 391; (39) 796.	794. at Panama-Pacific exposition, (37) 393.
New Zealand, (33) 191. North Carolina, (34) 792; (36) 289.	boys' and girls' club work in, (36) 297.
North Dakota, (29) 691.	commercial side, (27) 595. coordination in Great Britain, (28) 192.
Norway, (29) 789. Ohio, (31) 593.	cultural value, (34) 897.
Oregon, (34) 289.	cultural value, (34) 897. does it pay, (33) 494. economics in, (26) 386. Federal aid, (38) 395.
Philippines, (39) 496. Portuguese colonies, (34) 391.	Federal aid, (38) 395. for dependent and delinquent boys, (26)
relation to state socialism, (40) 688.	498; (28) 694.
Rhodesia, (27) 795. Roumants, (27) 894	negroes, (3) 91. teachers, handbook, (32) 897.
Roumania, (27) 894. Russia, (29) 188; (31) 390.	wonien, (36) 793.
Saskatchewan, (30) 894; (34) 289.	future in United States, (39) 91. general and vocational, notes, (29) 191.
Saxony, (32) 689. South Africa, (40) 791.	government aid in England and Wales, (29)
South Dakota, (38) 595. Spain, (32) 286; (40) 389, 890, 892.	191. home-project plan for, (31) 693
SWILZCHANG, (40) 892.	importance of, (27) 194; (33) 895. in America, (33) 194.
Toxas, (30) 591; (31) 192; (32) 892; (37) 91. Tuscany, (36) 392.	A washing and Tradianti (98) 400
United States, (27) 487; (28) 292, 593;	America, anniversary, (27) 601.
Trifted States, (27) 487; (28) 292, 593; (29) 291, 392, 393, 491, 789, 894; (31) 94, 293, 389; (32) 194; (33) 893; (34) 90;	America, anniversary, (27) 601. Argentina, (26) 295, 689; (27) 94; (31) 898; (35) 895; (36) 895; (37) 793.
(35) 693; (36) 289, 688, 689, 894; (37)	Arizona, (82) 596.
391, 888. Uruguay, (27) 795.	Australia, (28) 297, 392; (30) 393; (33) 799, 895; (39) 194, 691.
various countries, (28) 088.	Austria. (27) 695.
Washington, (34) 91. Western States, (34) 690.	Bavaria, (26) 193. Bohemia, (33) 493.
Western States, (34) 690. Wisconsin, (28) 593; (30) 592; (31) 893; (32) 892; (35) 589.	Brazil, (29) 100; (30) 494, 590; (35) 695; (38) 794
(32) 892; (35) 589. Wurttemberg, (29) 393.	British Columbia, (32) 593.
institutes in southern Italy and Sicily, (30)	Bulgaria, (37) 892.
192. laws in Saskatchewan, (38) 494.	Canada, (26) 391; (27) 597, 694; (30) 498;
laws in Saskatchewan, (39) 494. laws in South Dakota, (38) 494. laws in United States, (34) 489; (35) 101.	(31) 194; (32) 92, 289, 689, 697, 794; (33)
monograph (30) 709	Chile, (28) 391.
notes, (29) 491; (30) 390; (31) 192, 894; (32)	China, (36) 799.
390, 892. organizations in Europe, (28) 689.	Denmark, (29) 895; (32) 493.
papers on, (29) 894.	Sritish Columbia, (32) 593. Bulgaria, (37) 892. California, (32) 288; (40) 599. Canada, (26) 391; (27) 597, 694; (30) 498; (31) 194; (32) 92, 289, 689, 697, 794; (33) 93, 100; (34) 696; (36) 793; (39) 194, 296. Chile, (28) 391. China, (36) 799. Cuba, (34) 307. Denmark, (29) 895; (32) 493. Dutch East Indies, (33) 498.

Agricultural—Continued.	Agricultural—Continued. education—continued.
advection—continued	education—continued.
in England and Wales, (29) 394, 897; (30) 505, 793; (33) 596; (34), 394; (38) 295.	relation to national analys, (37) 401
England and Wales, government aid to,	relation to national affairs, (37) 401 relation to rural sociology, (30) 807. school gardening in, (26) 296.
(26) 793: (35) 194.	edileation, secondary—
(26) 793; (35) 191. England, Lancaster County, (29) 494;	in Massachusetts, (28) 490. Russia, (37) 792. United States, (31) 402.
	Russia, (37) 792.
Funopo, (33) 194. Finland, (33) 390; (39) 898. France, (28) 691, (37) 493 Germany, (32) 794. Gold Coast, (36) 896.	progress in, (26) 390.
France. (28) 691. (37) 493	education—
Germany, (32) 794.	specialization in, (39) 91.
Gold Coast, (36) 896.	state aid in. (28) 297.
Great Britain, (32) 794; (36) 595, 795.	supervised practice in, (40) 795 textbook, (27) 898.
Great Britain, government aid to, (28)	through home projects, (30) 597
596. Greece, (31) 800.	types of. (32) 689.
Grenada, (28) 793.	value to the farmer, (31) 396.
India, (31) 400; (36) 896; (39) 98, 896.	types of, (32) 689. value to the farmer, (31) 396. vocational, (39) 98, 194, 208.
Indiana, (28) 596. Iowa, (37) 292.	education, vocational-
Italian Africa, (31) 699	four-year curriculum, (40) 795 home project in, (40) 295.
Italy, (26) 798.	in Massachusetts, (33) 595.
Japan, (33) 194.	New York, (33) 499.
Kansas, (33) 695.	Pennsylvania, (37) 192.
Latin America, (30) 98; (31) 598, 898.	Texas, (38) 597. United States, (36) 701.
Massachusetts (29) 598: (30) 597: (31)	notes, (28) 491.
693; (36) 93; (38) 301; (39) 298.	reference material for, (40) 05.
Manitoba, (33) 396; (35) 92. Massachusetts, (29) 596; (30) 597; (31) 693; (38) 301; (39) 298. Mexico, (39) 298.	secondary, (40) 897. State supervision, (40) 690.
Michigan, (26) 192.	State supervision, (40) 690.
Michigan College, (31) 692.	teacher training, (40) 399. year's work, (40) 492.
(38) 195: (39) 898.	engineering—see also Engineering.
New Brunswick, (35) 894.	engineering—see also Engineering. at land-grant colleges, (39) 896.
New England, (34) 596.	bibliography, (36) 400. education in United States and Canada,
New South Wales, (33) 790; (36) 292.	education in United States and Canada,
New York, (29) 791; (30) 92.	(38) 195. Federal aid (37) 610
Nova Scotia. (36) 193.	instruction in. (28) 200.
Mexico, (39) 288. Michigan, (28) 192. Michigan College, (31) 692. Netherlands, (27) 798; (31) 898; (37) 193; (38) 195; (39) 808. New Brunswick, (35) 894. New England, (34) 596. New South Wales, (33) 790; (36) 292. New York, (29) 791; (30) 92. North Dakota, (37) 596. Nova Scotia, (36) 193. Ontario, (34) 196. Philippines, (33) 595; (36) 495.	Federal aid, (37) 610. instruction in, (28) 200. instruction in Prussia, (33) 791.
Philippines, (33) 595; (36) 495.	opportunities in, (28) 601.
Prince Edward Island, (31) 800. Prussia, (29) 297; (30) 793; (32) 392. public schools, (26) 299, 898.	papers on, (31) 185. problems in Mexico, (26) 398.
Trussa, (28) 291, (30) 193, (32) 392.	treatise. (33) 681.
Rhine Province, (30) 393; (33) 296.	treatise, (33) 681. value to farm life, (35) 184. work for high schools, (35) 94.
Rhine Province, (30) 393; (33) 296. Sao Paulo, (29) 191.	work for high schools, (35) 94.
Sao Paulo, (29) 191. Saskatchewan, (36) 291; (37) 394. Saxony, (32) 689. Scandinavia, (29) 897. Scotland, (29) 494; (33) 790; (36) 394; (37) 892; (40) 398. secondary schools, (26) 898; (27) 490. Servia, (31) 393. South Africa, (26) 492; (33) 194. South Australia, (29) 295. Southern States, (27) 296. Sweden, (30) 494.	engineers-
Sexony, (32) 009.	conventional designs for, (29) 186.
Scotland. (29) 494; (33) 790; (36) 394; (37)	handbook for, (29) 484. place and field, (33) 880.
892; (40) 393.	enterprises, large v. small, (26) 387. enterprises, organization of, (33) 292.
secondary schools, (26) 898; (27) 490.	enterprises, organization of, (33) 292.
South Africa (26) 442: (22) 104	essay contest, (30) 399. exhibits—
South Australia. (29) 295.	for fairs, (30) 197,
Southern States, (27) 296.	for fairs, (30) 197. in Munich, (26) 193.
	preparation, (31) 495, 793; (34) 493.
Switzerland, (33) 695.	experiment stations, see Experiment stations experiments—
the Caucasus, (33) 500. Trinidad, (27) 597; (29) 92.	coordination of effort in, (36) 7.
Union of South Africa, (37) 493.	editorial on, (29) 701.
United Kingdom, (26) 491.	element of chanco in, (33) 601.
United States, (26) 898; (29) 494; (33) 789, 896.	error in, (26) 732. in America, (28) 40.
United States and Canada, treatise, (34)	in German colonies, (31) 196.
901	in Omied Kingdom, (30) 599.
Victoria, (27) 597; (32) 493; (36) 292. Virginia, (37) 192. Wales, (36) 495; (37) 294. Washington, (37) 597. West Indies, (28) 391, 793; (32) 699.	interpretation, (26) 732.
Virginia, (37) 192. Woles (36) 405: (27) 204	exports—
Washington, (37) 597.	from Denmark, (27) 391.
West Indies, (28) 391, 793; (32) 699.	from United States (31) 295; (33) 490. expositions, educations lvalue, (27) 694.
	Extension Act, editorial on, (30) 601.
Wisconsin, (26) 296. Wurttemberg, (30) 393.	extension—
	addresses on, (32) 195, 196.
institutions in Sweden, (36) 690. New York State advisory board, (29) 99.	and expenditures, (38) 898.
notes, (28) 90; (29) 103; (31) 894.	and experiment stations, relation, (32) 96 (33) 306; (36) 498; (38) 6, 7. at Southern Commercial Congress, (26)
organization, (31) 96,	at Southern Commercial Congress. (26
organization and administration, (39) 194.	701.
outline, (26) 94 papers on, (34) 307.	basis for, (34) 104.
present trend, (27) 797.	by automobile, (26) 496. examples of, (35) 195.
present trend, (27) 797. principles and methods, (26) 491.	examples of, (35) 195. functions of, (34) 699.
problems in, (35) 405. program in, (38) 598. prograss in, (28) 691; (29) 897; (31) 898; (32)	fundamentals in, (35) 198.
program in, (38) 598.	in Alberta, (36) 698.
895: (50) 894.	Argentina, (37) 793. Arizona, (33) 94.
proposed principles, (39) 193.	Belgium, (28) 392.
proposed principles, (39) 193. purpose, (36) 193.	California, (32) 288.

tioultural Continued	Agricultural Continued
Agricultural—Continued. extention—continued.	Agricultural—Continued. implements—continued.
in Canada, (26) 391; (32) 691. China, (33) 800.	data sheets, (36) 590. description, (30) 892; (33) 489.
China, (33) 800. College of Hawaii, (32) 691.	description, (30) 892; (33) 489. development and use, (27) 90.
Cornell University, (32) 895.	in Argentina, (36) 590.
foreign countries. (33) 698.	in Argentina, (36) 590. in Bombay Presidency, (35) 293. industry in United States, (30) 791.
Hawail, (26) 493. Hawail, (26) 493. high schools, (27) 297; (20) 298; (30) 694; (32) 496; (33) 799; (35) 92; (36) 293, 595. Illinois, (32) 691.	industry in United States, (30) 791.
(32) 496; (33) 799; (35) 92; (36) 293, 595.	motor, evolution. (28) 385.
Illinois, (32) 691.	motor, evolution, (28) 385. normal day's work of, (35) 892.
Indiana, (27) 395; (33) 595.	notes, (28) 487.
Louisiana State University, (31) 598.	purchasing cooperatively, (36) 290 satety devices for, (29) 788.
Massachusetts, (27) 96; (30) 91; (31) 692;	tests, (27) 485; (34) 88. Wood used in, (27) 191.
(32) 505; (36) 505. Minnesota, (32) 895.	imports of Denmark, (27) 391.
Netherlands, (36) 95.	income, relation to cost of production, (28) 594.
New Jersey, (32) 598; (33) 698; (34) 197.	Institute—
Indiana, (27) 305; (33) 595. Louisiana, (27) 896. Louisiana State University, (31) 598. Massachusetts, (27) 96; (30) 91; (31) 692; (32) 595; (38) 305. Minnesota, (32) 895. Netherlands, (36) 95. New Jersey, (32) 598; (33) 698; (34) 197. New York, (26) 391; (35) 198. Ontario, (28) 695; (31) 693. Philippines, (30) 632. rural sigh schools, (28) 692. rural schools, (29) 899. secondary schools, (31) 799. South Carolina, (33) 698. Tennessee, (26) 795. United States, (28) 695; (29) 494, 898; (31) 195; (32) 1, 14, 194; (33) 94. United States, origin and development, (36) 896.	at Alnarp, (29) 172. Florence, Italy, (35) 695.
Philippines, (30) 632.	
rural high schools, (28) 692.	Spalato, (32) 92. University of Halle, (26) 598; (27) 195; (32) 794; (34) 394 Zurich, report, (26) 26 of Colombia, (32) 699
secondary schools, (31) 799.	(32) 794; (34) 394
South ('arolina, (33) 698.	Zurich, report, (26) 26
Tennessee, (26) 795. United States, (28) 695; (29) 494, 898; (31)	Montevideo, development, (28) 490.
195; (32) 1, 14, 194; (33) 94.	
United States, origin and development,	Santiago, (34) 196. Spain, project for, (40) 890. institutes for teachers in Porta Rico, (28) 693.
(36) 896. Wisconsin, (27) 97; (31) 899; (33) 396; (39)	institutes for teachers in Porto Rico (28) 603
897.	institutions—
instruction in Argentina, (28) 598.	and associations in Denmark, (37) 295.
instruction, outline, (29) 509. legislation in United States, (35) 297.	and organizations in Netherlands, (39) 898.
Lever bill, (28) 596.	as affected by European war, (35) 605. in Europe, (32) 197.
meaning, (27) 395.	Hungary and Balkan States, (31) 392. Netherlands, (33) 790.
notes. (28) 898. 899.	Wurttemberg, (27) 695.
Lever bill, (28) 596. meaning, (27) 395. moving picture in, (39) 896. notes, (28) 808, 809. of railroads in Spain, (31) 400.	state, coordination, (28) 401.
of Southern Railway, (28) 899. organization, (31) 96.	treatise, (28) 690.
organization and administration, (26) 703.	instruction—see also Agricultural education. act in Canada, (32) 91. alm and scope, (27) 392.
organization and policy, (39) 708.	aim and scope, (27) 392.
organization under Smith-Lever Act, (33)	and research in Dutch East Indies, (35) 592, at University of Göttingen, (31) 493.
paper on, (38) 795.	class projects, (37) 194.
preparing men for, (30) 99. publications, (32) 9.	courses, (40) 492.
reaction upon research, (30) 97.	class projects, (37) 194. courses, (40) 492. dangers to, (34) 896. discussion, (28) 295, 296.
relation to agricultural colleges and experi-	equipment and material in, (28) 698.
ment stations, (31) 196. relation to farmers' cooperative organiza-	exercises in, (32) 393.
tions, (39) 896.	farm practice in, (32) 194. field exercises in, (35) 198.
response to war conditions, (37) 1, 604.	for Canadian troops in France, (38) 700.
school credit for, (36) 293. State and national cooperation in, (30) 603.	city boys in England, (38) 194. farm boys, (40) 196.
suggestions for, (34) 292.	
training men for, (28) 14. training teachers for, (26) 299; (32) 15. value of instruction trains, (28) 15.	interned soldiers, (34) 498.
value of instruction trains. (28) 15.	soldiers and sailors, (40) 591.
woman's work in, (26) 20. workers, preparation, (33) 304; (35) 297.	soldlers' orphans, (38) 300.
workers, preparation, (33) 304; (35) 297.	168Chers, (29) 297; (31) 498.
facts and figures, handbook, (35) 899. fair exhibits, (37) 895.	tarin women in France, (a) 498. interned soldiers, (34) 498. soldiers, (39) 98, 699, 708. soldiers and sailors, (40) 591. soldiers' orphans, (38) 300. teachers, (29) 297; (31) 498. teachers in Forto Rico, (31) 494; (32) 493. women, (28) 296, 703; (30) 495, 793. women in France, (31) 899. women in France, (31) 899. women in Great Britain, (35) 395. women in state colleges, (32) 491.
foirs and ayhibitions in Limited States (28) 798	women in France, (31) 899.
fairs, notes, (33) 98, 698,	women in state colleges, (32) 491.
fairs, food training camps, (37) 400. fairs, notes, (33) 98, 698. fedoration in New York, (40) 689. finance in Europe, (28) 689. grants of General Education Board, (31) 400.	young girls, (29) 695. four-year college course, (32) 9. hlgh school, in Germany, (30) 495. home practice in, (35) 694. home projects in, (28) 792; (31) 97, 793; (32) 289; (33) 797; (34) 93, 809; (35) 195, 198, 298, 498, 594; (36) 896; (37) 194, 296, 795; (38)
finance in Europe, (28) 689.	four-year college course, (32) 9.
	home practice in. (35) 694.
History Society, notes (40) 100	home projects in, (28) 792; (31) 97, 793; (32)
Holdings Auts of Great Britain, (30) 89.	289; (33) 797; (34) 93, 899; (30) 190, 195, 908 408 504 (36) 896; (37) 194, 296, 795; (38)
in Bulgaria, (33) 93.	
England, treatise, (28) 189.	in Alaska, (32) 492; (37) 393. Alberta, (33) 695; (37) 293. Argentina, (28) 598; (31) 493; (37) 294;
Norway, (81) 192. United Kingdom, (81) 391	Argentina. (28) 598: (31) 493: (37) 294:
holdings Acts of Great Britain, (39) 59. holdings— in Bulgaria, (33) 93. England, treatise, (28) 189. Norway, (31) 192. United Kingdom, (31) 391. hydraulics station in Tunis, (31) 587. hydraulics, treatise, (33) 390. immigration in Ontario, (27) 794.	(38) 296.
hydraulics, treatise, (33) 390.	Atlantic Co., New Jersey, (40) 295. Austria, (26) 689, 690; (28) 392; (30) 194; (31) 392; (32) 290; (35) 895.
immigration in Ontario, (27) 794. implement shed, construction, (34) 687; (36) 590.	(31) 392; (32) 290; (35) 895.
implement sheds for prairie farms, (35) 690.	Atterno and Denmorr (XA) NVA
implements —	Austria and Germany, (Relative (21) 804: (21) 804:
and machinery, markets in Chile and Peru, (38) 492.	Austria and Germany, (17) Belgium, (27) 684; (30) 694; (31) 691. Bohemia, (32) 290. Bombay Presidency, (31) 692. British Columbia, (37) 293.
and machinery, tests, (35) 578.	Bombay Presidency, (31) 692.
cost of, (33) 492.	British Columbia, (37) 293.

```
Agricultural—Continued.
instruction—continued.
in Burma, (28) 498.
California, (37) 394.
Canada, (31) 194; (33) 596, 897; (34) 98, 491, 691; (35) 395; (36) 495, 690, 793; (37) 699; (38) 92, 93, 299; (39) 396, 692, 798, 897, 898; (40) 396.
Caylon, (32) 500; (34) 697.
Chile, (34) 196, 491.
Connecticut, (33) 896.
Denmark, (27) 694; (28) 296; (31) 598; (36) 896.
Dutch East Indies, (34) 492; (38) 296.
elementary schools, (28) 191, 296; (28) 297, 691; (29) 91, 99, 394; (30) 195; (31) 298; (32) 290, 795; (33) 696; (37) 194, 295; (38) 897.
Europe, (26) 690; (33) 596.
Finland, (27) 597.
France, (28) 99, 296, 392; (29) 92.
Georgia, (38) 296.
German army, (26) 492; (28) 297, 492; (30) 495.
German army, (26) 492; (28) 297, 492; (30) 495.
                                                                                                                                                                                                                                                                                                                                                                                                                                         Agricultural-Continued.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       instruction—continued.
in public schools of Ohio, (32) 392.
relation to community food production,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (38) 93.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (38) 93.

rural schools, (26) 191, 596, 697; (27) 598; (28) 90, 193, 492, 693, 897; (29) 92, 695; (30) 795; (32) 691, 897; (34) 92, 693; (35) 395; (38) 697.

San Francisco, (40) 295.

Saskatchewan and Alberta, (32) 92.

Saxony, (28) 793; (33) 296, 493.

schools of Ontario, (28) 391.

secondary schools, (26) 191, 192, 498; (20) 99, 399; (30) 99, 799; (31) 96; (33) 896; (34) 693; (36) 691; (37) 395; (38) 795; (30) 797.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             797.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              seventh and eighth grades, outline for,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (39) 598.
Silesia, (30) 393; (35) 395.
South Africa, (39) 600.
South Carolina, Darlington County,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            South Airies, (88) 680.

South Carolina, Darlington County, (33) 698.

Spain, (28) 193; (29) 199; (37) 93.

State normal schools, (40) 490.

Surinam, (35) 193.

Sweden, (34) 492, 597; (35) 395.

Tasmania, (28) 598.

Tennessee high schools, (32) 499.

Tennessee, state aid for, (30) 199.

Texas, (37) 794.

the army, (26) 95.

Trinidad, (31) 898.

United States, (30) 297; (37) 392, 798.

United States, (30) 297; (37) 392, 798.

United States, (30) 297.

United, (37) 198.

United, (37) 198.

various countries, (28) 597; (31) 296; (37) 394.
                                                                                      495. Germany, (28) 392. Great Britain, (26) 295; (30) 299. Great Britain, (26) 295; (30) 299. Greek Macedonia, (32) 500. Grenada, (29) 199. Haiti, (40) 690. Hamilton County, Indiana, (29) 394. high schools, (26) 190, 192, 391; (27) 296, 297, 491, 596, 896; (28) 391; (29) 494, 597, 897; (30) 98, 793; (31) 297, 298, 394, 692; (32) 290, 492, 499, 690; (33) 195, 595; (34) 395, 692, 793, 897, 898; (36) 594, 691, 895; (37) 93, 194, 494, 793; (39) 92; (40) 93, 197.
                                                                                    Utah, (37) 195.
various countries, (28) 597; (31) 250,
394.
West Virginia, (29) 92.
Western Australia, (31) 699.
western Canada, (36) 698.
Wisconsin, (33) 94, 195; (39) 298.
lessons, (37) 296; (40) 198.
motion pictures for, (31) 799.
nature study in, (31) 896.
notes, (31) 691, 791.
papers on, (33) 797; (36) 198; (37) 192, 596.
preparation of teachers for, (26) 303, 595; (27) 296.
problems in, (30) 93.
progress in, (36) 301; (35) 298.
pure science in, (32) 194.
raw materials in, (33) 194.
raw materials in, (33) 194.
relation to weather, (26) 94.
secondary, conference on, (34) 697, 799.
secondary, supervision, (31) 800.
specialization in, (28) 296.
suggestions to teachers, (32) 493.
teaching language through, (28) 91.
textbook, (40) 95.
use of land in, (33) 195, 396.
vocational, (33) 695; (39) 98, 104, 298.
instructors, geological course for, (29) 495.
insurance—
cooperative, (29) 790.
respective (29) 790.
respective (29) 790.
                                                                                          (36) 95.

New Brunswick, (37) 892; (40) 94.

New Hampshire, (33) 397; (34) 793; (37) 699; (40) 296.

New Mexico, (29) 92; (32) 689; (34) 793.

New York, (26) 390; (32) 690; (33) 595, 897; (37) 293; (40) 295.

New Zealand, (32) 393; (37) 597.

normal schools, (38) 195.

North Carolins, (32) 895; (36) 596.

North Dakota, (37) 193.

Norway, (26) 798; (28) 297; (32) 392; (37) 294.

Ohio, (30) 298.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         insurance—
cooperative, (29) 790.
in Belgium, (31) 94.
Denmark, (27) 590, 794.
France, (29) 388; (37) 888.
Nebraska, (26) 594.
Netherlands, (30) 391.
New England, (36) 192.
Switzerland, (38) 293.
law in Germany, (27) 192.
investigations—
element of chance in (33) 601
                                                                                            294.
Ohio, (30) 298.
Oklahoma, (30) 92.
Ontario, (30) 595, 596, 694; (34) 196, 597,
897; (37) 892.
Philippines, (35) 92; (36) 292; (37) 494;
(40) 398.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      estigations—
element of chance in, (33) 601.
element of chance in, (33) 601.
examples of, (36) 306.
ideals and standards for, (30) 5.
in French colonies, (40) 390.
in Netherlands, (36) 95.
logarithmic curves in, (32) 768
need for safeguarding, (40) 6.
physics in, (36) 106.
publication of, (33) 401.
small laboratories in, (32) 303.
v. experience, (34) 101.
                                                                                          (40) 898.
Pommerania, (30) 793.
Porto Rico, (30) 199; (33) 397.
Posen, (29) 92.
primary grades, (33) 898.
Prince Edward Island, (37) 793; (40) 197.
Prussia, (26) 492; (27) 695; (35) 592.
public schools, (27) 94; (31) 494, 896; (32) 493, 596; (33) 791; (37) 192, 494, 893.
public schools of Indiana, (32) 691.
```

Agricultural—Continued.	Agricultural—Continued.
investigators, training, (36) 101. journalism, instruction in, (37) 794.	laborers—continued.
journals—	in Ireland, (26) 688; (30) 90; (34) 289, 895; (30) 791. Italy, (40) 790.
abstract, (40) 306. as affected by European war, (35) 608.	Italy, (40) 790.
new. (28) 99; (30) 499, 799; (31) 200; (32) 699;	London, (26) 189. Savony, (28) 489. Sweden, (35) 798.
new, (28) 99; (30) 499, 709; (31) 200; (32) 690; (33) 100; (34) 499; (35) 100, 600, 699; (36) 800; (37) 200, 500; (38) 500; (39) 99, 200;	Sweden, (35) 798.
800; (37) 200, 500; (38) 500; (39) 99, 200; (40) 297, 400, 699.	Sweden, conditions of life, (27) 295. United Kingdom, (30) 791; (31) 690.
paper conservation by, (39) 400.	United States, (30) 591; (31) 690.
technical, development in America, (37) 405.	increasing efficiency of, (31) 593.
labor—see also Labor. bureau in Iowa, (28) 389.	insurance against accidents, (30) 391; (31)
by children, (40) 591.	94. minimum wages. (40) 192, 591, 687, 891.
by school children, (38) 193; (40) 598. camp for boys, (40) 96.	minimum wages, (40) 102, 591, 687, 891. payment by piece, (31) 894. Polish, in France, (27) 295.
city men for, (40) 389.	rollsh, in France, (27) 295.
cost in Mexico, (28) 88.	standard of living, (31) 261. training at home, (32) 289.
cost of, (32) 791.	ladder to land ownership, (40) 687.
demand for, (28) 488. distribution, (29) 490.	land, see Land. laws in—
distribution, (29) 490. efficiency, (27) 488, 690.	Belgian Kongo, (40) 392.
for 1918 wheat harvest in Kansas, (40) 92.	Illinois, (33) 395.
in Australia, (29) 295, 393. California, (38) 89, 894. Canada, (37) 889.	Maine, (38) 494. Massachusetts (36) 808
Canada, (37) 889.	Massachusetts, (36) 898. Missouri, (30) 599.
England and Wales, (32) 390. Georgia, (32) 489.	Nebraska, (26) 693.
Great Britain, (38) 105.	New York, (26) 93; (29) 897; (31) 94; (36) 688; (40) 390.
Great Britain, treatise, (26) 489; (32) 285. Ireland, (37) 492.	North Dakota, (36) 493.
New Jersey, (38) 594.	Ohio, (26) 93. Washington, (31) 196.
New Jersey, (38) 594. North Carolina, (35) 589; (37) 190.	laws, manual, (31) 293.
Ontario fruit district, (39) 594. Russia, (32) 489.	lease, short-time, advantages of, (27) 192.
Saskatchewan, (38) 191.	legislation—
Salony, (32) 689.	fedoral, (27) 494; (28) 495. in Great Britain, treatise, (34) 259 Netherlands, (31) 506. Philippines, (28) 699.
southwestern States, (34) 90. Switzerland, (37) 790.	Netherlands, (31) 596.
United States, (28) 87, 895; (38) 593, 594.	Philippines, (28) 699.
western India, (34) 690. income, (27) 794.	United States, (35) 101, 297, 598. international, (33) 191; (34) 91.
management, (26) 594.	of 63rd Congress, (32) 499.
management, (26) 594. mobilization, (37) 290.	yearhook, (36) 393; (38) 493; (40) 890. libraries—
mobilization of boys for, (39) 90, 597, 693. notes, (29) 634.	closer union, (28) 1.
organization in Germany, (29) 392.	cooperation among, (34) 494.
papers on, (39) 90. problem, (39) 295.	in Belgium, (27) 694. Library Section of American Library Associa-
labor problem—	tion, (26) 797.
handling, (37) 790; (39) 593. in France, (26) 292.	machinery—see also Harvesting and Threshing
in France, (26) 292.	machinery.
in Germany, (27) 488. in Scotland, (30) 592. paper on, (30) 591.	advantages and disadvantges, (29) 89. as affected by European war, (36) 86.
paper on, (30) 591,	as affected by European war, (36) 86. ball hearings in, (31) 487. bearings for, (37) 490.
labor— requirements, meeting, (40) 591.	calculating interest on, (34) 194.
seasonal distribution, (27) 592; (37) 390.	care, (27) 899; (29) 595. care and use, (29) 892. census in Nobraska, (40) 194. college course in, (38) 95.
supply, (39) 688. labor, wages—	care and use, (29) 892.
for, (30) 594; (31) 490; (33) 93; (40) 391.	college course in. (38) 95.
for, (30) 594; (31) 490; (33) 93; (40) 391. in Ahmadnagar, (22) 595. England, (20) 590. England and Wales, (26) 93.	college course in, (38) 95. computing power and afficiency, (27) 485 cost, (32) 791. data sheets, (36) 590. description, (27) 387; (30) 892. development, (33) 488. directory, (37) 886. elementary course in, (27) 98. for moor plantations, (29) 488. handbook, (26) 686; (28) 290. imports and exports, of Germany, (32) 789. in Argentina, (36) 590. in Cuba, (37) 591. in Germany, (27) 190.
England, (29) 500. England and Wales, (26) 93.	Cost, (32) 791. data sheets. (38) 590.
Great Britain, (60) 492, 592.	description, (27) 387; (30) 892.
India, (37) 792.	development, (33) 488.
Jamaica, (26) 687. Sweden, (37) 492; (38) 392. United States, (28) 87, 791. western India, (34) 690. labor, women for, (40) 891.	elementary course in. (27) 96.
United States, (28) 87, 791.	for moor plantations, (29) 488.
labor, women for (40) 891	nancibook, (26) 686; (28) 290.
aborers	in Argentina, (36) 590.
camp sanitation and housing for, (33) 691. cottages for, (32) 687.	in Cuba, (37) 591.
day's work of, (35) 892.	injuries from (27) 893
female, in Germany, (33) 190.	instruction in, (28) 394.
food of, (30) 463. for Saskatchewan, (28) 688.	labor saving by, (39) 794, 795.
housing, (33) 489.	instruction in, (28) 394. labor saving by, (39) 794, 795. laboratory exordises, (28) 200. laboratory manual, (30) 795, 892; (38) 492;
housing on citrus ranches, (39) 795.	(39) 092.
improvement of living conditions, (28) 292. in Argentina, housing conditions, (33) 394.	manufacture in Russia, (32) 789. notes. (27) 90, 689: (38) 692.
Belgium, treatise, (33) 92.	naturate in Russia, (22 / 185. notes, (27) 90, 689; (38) 692. operation and management, (39) 594. papers on, (31) 186; (34) 299. purchase and care, (31) 186. recent inventions in, (35) 494. safety devices for, (29) 788. selection and care, (34) 789.
Belgium, treatise, (33) 92. Denmark, (30) 392. England and Wales, (29) 189.	papers on, (31) 186; (34) 299.
Finland. (37) 91.	recent inventions in. (35) 494.
Finland, (37) 91. France, (35) 496; (38) 90, 494	safety devices for, (29) 788.
Germany, (31) 788.	selection and care, (34) 789.

Agricultural—Continued.	Agricultural—Continued.
machinery—continued, service and cost, (34) 587.	production—continued. in Great Britain, (37) 392.
service and cost, (34) 587. situation, (38) 898. situation, 1918, (40) 189. speed indicators for, (29) 389. tests, (28) 291; (31) 587; (32) 188; (34) 588.	Italy, (37) 92. South Africa, (38) 494. Switzerland, (40) 790. United States (34) 309. (27) 505
speed indicators for, (29) 389.	Switzerland (40) 790
tests, (28) 291; (31) 587; (32) 188; (34) 588.	United States, (34) 393; (37) 595.
trade associations in United States, (66)	Victoria, (27) 390.
787. trade in France. (32) 888.	United States, (34) 393; (37) 595. Victoria, (27) 390. West Virginia, (31) 190. increasing, (35) 192. problems in, (32) 891.
trade in France, (32) 888, treatise, (27) 387; (35) 494. use in Spain, (35) 296.	problems in, (32) 891.
use in Spain, (35) 296.	ieration to bobutation, (20) 595.
mechanics in Cambridge University, (36) 699. microbiology, review of literature, (30) 378.	products— acids of identification (40) 13
microbiology, treatise, (27) 223.	acids of, identification, (40) 13. analyses, (27) 109, 413; (29) 119.
opportunities for educated women, (34) 492.	animais injurious to, (26) 452.
opportunities for women, (32) 389. opportunities in United States, (28) 294.	as affected by phosphates, (27) 326. bushel weights, (37) 889.
organization—	census statistics, (28) 89.
as aid in war situation, (39) 795. essentials, (30) 693.	commerce in, treatise, (29) 293. composition and fertilizing value, (31) 30.
in Belgium, (27) 590; (31) 194.	cost and price fixing, (30) 687
in Belgium, (27) 590; (31) 194. Europe, (34) 91. Ireland, (39) 796.	cost and price fixing, (39) 687. cost of production, (31) 689; (32) 490, 688.
Netherlands, (34) 893.	cost of production in Austria, (28) 594.
paper on, (31) 388.	demand for, (34) 892. distribution, (28) 292; (29) 188, 894; (35) 407.
Society, report, (32) 792; (34) 194; (36) 392.	distribution between landlord and tenant,
traders, and farmers, booklet, (28) 292. treatise, (28) 689.	(31) 390. distribution in cities, (32) 89.
organizations, (35) 190.	drying, (35) 417.
	exportation restrictions due to European
organizations— bibliography, (30) 593. in Bayaria, (29) 294. Massachusetts, (40) 689. United States, (29) 693. official, in France, (40) 689. outlook, (29) 896; (30) 392, 593; (31) 95, 190, 391, 789; (32) 90, 287, 490, 594, 893. pamphlets, catalague, (29) 93.	war, (33) 396. exports, (28) 90.
Massachusetts, (40) 689.	exports and imports, (26) 294.
United States, (29) 693.	exports and imports in France, (26) 595.
outlook, (29) 896; (30) 392, 593; (31) 95, 190, 391	foreign trade in, (29) 493; (34) 194. freight rates on, (34) 392.
789; (32) 90, 287, 490, 594, 893.	French commerce in. (31) 598.
pamphlets, catalogue, (29) 93. pastoral colonies in Argentina, (40) 392.	imports, (28) 89.
pensioners in England, (27) 795.	imports, (28) 89. imports into Germany, (34) 195, imports into United Kingdom, (26) 688.
policy-	
in Germany, (40) 891. in Great Britain, (40) 91, 790.	international trade in, (28) 790; (35) 793.
in Great Britain, report outlining program	marketing (26) 387, 388 (27) 91, 703 (29)
for, (39) 402.	592, 790, 894; (29) 294, 595, 790, 894; (30)
National, suggestions for, (39) 703. of British Empire in India, Latin America.	295, 390, 490, 496, 792, 894; (31) 894; (32)
etc., (40) 686,	(34) 490, 792; (35) 89, 296, 407; (36) 91, 399
suggestions for, (40) 790, 889. population—see also Population.	in Japan, (20) 491. international trade in, (22) 790; (36) 793. laws affecting price, (29) 102. marketing, (26) 387, 385; (27) 91, 793; (28) 592, 790, 894; (20) 294, 595, 790, 894; (20) 295, 390, 490, 496, 792, 894; (31) 894; (32) 194, 287, 593; (33) 92, 192, 293, 491, 594, 893; (34) 490, 792; (35) 89, 296, 407; (36) 91, 392; (37) 89, 391; (38) 293, 294, 494, 698, 895; (30) 296, 593, 895; (40) 293, 294, 488, 489, 791, 792.
movement to cities (31) 204 (33) 01 204	(39) 296,593,895; (40) 293,294,488,489,791, 792.
of Austria, (31) 491. British India, (33) 295.	manadarata manalustica
British India, (33) 295.	products, marketing— by percel post, (31) 789; (34) 392, 690. cooperatively, (31) 594; (32) 192, 892; (33) 294, 694, 893; (37) 888. in Hawaii, (31) 388; (35) 190. North Carolina, (34) 288. Ouensland (23) 793.
different countries, (31) 490. England and Wales, (32) 491.	000Deratively, (31) 594; (32) 192, 892; (33)
Portugal, (27) 489.	in Hawaii, (31) 388; (35) 190.
Portugal, (27) 489. Prussia, (36) 90. Sweden, (31) 691. reasons for decrease, (35) 294.	North Carolina, (34) 288.
reasons for decrease, (35) 294,	Queensland, (32) 793. western Canada, (36) 493.
possioning in—	Wisconsin, (28) 593.
Alaska, (28) 488; (30) 491. America, (27) 893.	treatise, (34) 893.
California (32) 103	products— mobilization in Italy, (38) 694.
Canal Zone, (27) 19, 91. Georgia, (26) 688. Mexico, (27) 895.	modification in Portugal, (38) 90.
Mexico, (27) 895.	QLDIIIISH West Alrica, nandhook, (26) 180
Missouri, (31) 789. That-nguyen Province, Indo-China, (39)	perishable, marketing, (35) 802. perishable, transportation, (40) 488
Thai-nguyen Province, Indo-China, (39) 894.	perishable, transportation, (40) 488. prices, (26) 190, 359, 894; (29) 493.
the South, (26) 688.	
United States, (27) 592.	geographical phases, (39) 895. in Australia, (29) 393. Canada, (27) 392; (32) 490; (36) 593. England and Wales, (31) 790; (34) 491. India, (27) 392; (31) 296; (34) 195; (37) 792.
United States and western Canada, hand- book, (29) 596.	Canada, (27) 392; (32) 490; (36) 593.
Virginia, (27) 895.	India. (27) 302 (31) 206 (34) 105 (27)
. practice, effect on decline of Roman Empire,	
practice for students, (28) 597.	Ireland, (37) 201.
practices in a Deccan village, (38) 91.	1915, (35) 394. Scotland. (33) 492. (35) 407
problems in England, handbook, (28) 387.	Scotland, (33) 492; (35) 497. Tokyo, (26) 491.
and trade in Great Britain and Ireland,	various countries, (32) 594.
(36) 291.	relation to output, (27) 91. statistics, (39) 688.
economics of, (28) 790; (32) 286; (35) 407. for 1919, (40) 487.	products—
in Austria, (36) 291.	purchasing power, (28) 489.
Belgium, (32) 288	receipts and exports in New York City, (37) 891; (39) 690.
Denmark, (34) 401. England, increasing, (38) 90.	relation to electricity, (27) 231.
France, (30) 895.	standardization and warehousing, (35) 296

	2"
Agricultural—Continued.	Agricultural—Continued.
products—continued.	school-continued.
trade and commerce in Chicago, (37) 392.	graduates, colonization in Argentina, (32)
trade of Brazil, (30) 791. products, transportation in—	92. high at Manassas Virginia (26) 30
Argentina, (35) 892. France, (33) 294.	high, at Manassas, Virginia, (26) 39. high, in Maryland, (26) 394.
France, (33) 294.	high, of Vienna, (27) 695.
various countries, (29) 789. products—	high, of Vienna, (27) 595. In Argontina, (28) 798. Brazil, (28) 90, 793. Lyon, France, (40) 499.
valuation on dry matter content, (36) 92.	Lyon, France, (40) 499.
water tranportation, (32) 391.	1410100001, (20) 486.
profits in Great Britain, (30) 492.	southern India, (30) 399. Spain. (26) 798.
program for United States, (38) 101. progress in United States, (32) 490.	Spain, (26) 798. Tunis, (28) 794.
publications, selected list, (3a) 19a.	normai, in Kansas, (26) 497.
purchase societies in Italy, (27) 192. reconstruction in -	of Chatauqua Institution, (26) 497. of Grignon, (30) 793.
France, (38) 405	of Grignon, (30) 793. vocational, in Indiana, (31) 597.
Great Britain, (38) 401. reeducation of soldiers, (36) 704.	schools— aim of (29) 791
rent in Great Britain, (30) 492.	aim of, (29) 791. and colleges in France, Germany, and Bel-
reorganization in Portugueso East Africa, (32)	
390.	civic and social training in, (40) 94. county, in Massachusotts, (28) 799. county, in Michigan, (32) 794.
research— and experiment, (36) 5.	county, in Michigan, (32) 794.
constructive ideals in (32) 603.	county, in Wisconsin, (26) 193. demonstration plats for, (32) 494.
coordination of effort, (39) 605.	district, in Georgia, (27) 694, 896; (30) 92;
development in Australia, (39) 1. economics in, (26) 386.	district, in Georgia, (27) 694, 896; (30) 92; (32) 595; (34) 691; (37) 193.
elements of progress, (40) 701.	drawing for, (36) 597. equipment for, (38) 93.
essentials of, (29) 106, 702.	exhibits for, (31) 793.
future in United States, (39) 91. habit of concentration in, (32) 301.	fire extinguishing instruction in, (31) 394.
importance of, (32) 6. In Australia, (30) 393.	furniture for, (31) 694. schools, high—
In Australia, (30) 393.	course of study for, (29) 791.
Brazil, (35) 695. California, (40) 599.	courses and equipment for, (34) 793.
Canada, (33) 100; (36) 793; (39) 296. England and Wales, (29) 897; (33) 596;	equipment, (27) 490. extension work in, (30) 694.
(24) 394.	farm machanies for (39) 507
England and Wales, government aid to,	in Nebraska, (32) 692. New York, (26) 198. North Dakota, (34) 897.
(35) 194.	North Dakota, (34) 897.
Great Britain, (32) 794; (36) 798. Great Britain, government aid to, (28)	nouth Austrana, (20) 795.
595.	suggestions for, (30) 495. unprepared teachers in, (27) 490
Greece, (31) 800.	use of land by, (32) 896.
Italian Africa, (31) 699. Scotland, (29) 494; (33) 790; (36) 394; (37) 892; (40) 393.	schools—
892; (40) 393.	ın Arkansas, (27) 797. Belgian Kongo, (34) 491.
the Caucasus, (33) 500.	Chuo (38) 195
Uruguny, (34) 308.	Europe, (33) 790.
United States, (39) 104. Uruguay, (34) 308. institutions in Great Britain, (26) 496. interpretation of results, (31) 327.	Deminark, (35) 695. Europe, (33) 790. Georgia, (26) 296. Mexico, (26) 498. Now York, (25) 192, 390; (37) 394. Norway, (27) 195; (20) 597; (32) 92; (38)
organization in India, (40) 601.	Mexico, (26) 498.
preparation of men for, (33), 303.	Norway, (27) 195; (29) 597; (32) 92; (38)
publication of, (31) 601. relation to national affairs, (37) 401.	70%
small field laboratory for, (32) 96; (33) 793.	Panama, (30) 700.
resources of-	Philippines, (31) 296; (35) 300.
Alaska, (40) 813. Burma, (40) 195. California, (33) 894; (35) 795; (37) 790. Colorado, (39) 90.	Quebec, (38) 92.
California, (33) 894; (35) 795; (37) 790.	United States, (36) 895.
Colorado, (39) 90.	intermediate, in Austria, (34) 401.
Cuba, (40) 194. Georgia, (36) 790.	itinerant, notes, (27) 597.
German colonies, (38) 192.	Pannam, (307 00.) Pennsylvania, (32 596. Philippines, (31) 296; (38) 300. Quebec, (38) 92. Saxony, (33) 493 United States, (36) 895. intermediate, in Austria, (34) 491. itinerant, notes, (27) 597. luboratory equipment, (37) 798. legal instruction in, (33) 598. lower, in Prissua, (38) 794.
Italy, (27) 92.	lower, in Prussia, (28) 794.
Massachusetts, (26) 290; (38) 307. Michigan, (39) 796.	methods in, (30) 93. movable, (40) 595. notes, (31) 692.
Minnesota, (38) 294.	notes, (31) 692.
Minnesota, (38) 294. Montana, (36) 894; (39) 796; (40) 92. Nebraska, (35) 394.	piace in equeational system, (33) 790.
New York, (37) 790.	political economy in, (34) 693. practicums for, (30) 195, 196.
Rhode Island, (36) 93.	purposes and ideals, (36) 792.
Russia, (37) 791. South Dakota, (37) 790.	rural cooperation in, (28) 296. secondary, relation to experiment stations,
Tennessee, Robertson Co., (28) 516. Union of South Africa, (39) 91.	(28), 97.
Union of South Africa, (39) 91.	state-controlled, in France, (28) 598.
Utah, (37) 790. Vermont. (36) 290.	supervised farm work in, (28) 492. uniformity of instruction in, (31) 392.
Vermont, (36) 290. rules in Italy, (37) 888.	schools, vocational—
scholarships in South Airicu, (20) 480.	in Massachusetts, (35) 694.
school at Mährisch-Schönberg, (31) 392.	papers on, (26) 697. work course in, (27) 297.
at Mährisch-Schönberg, (31) 392. Mödling, Austria, (31) 493. San Cristobal, Santo Domingo, (26) 798.	schools
San Cristobal, Santo Domingo, (26) 798. Woodstock, New Branswick, (22) 202.	winter, in Switzerland and Austria, (28) 392.
Woodstock, New Brunswick, (32) 392. for girls in Belgium, (30) 93.	woodworking exercises for, (30) 94.

Agricultural—Continued.	Agricultural—Continued.
science— affiliation of societies, (26) 3.	statistics—continued.
as a national asset, (39) 102.	in Great Britain and Ireland, (26) 688, 792; (27) 594, 693, 895; (29) 596; (31) 391;
college degrees of men engaged in, (29) 191.	(27) 594, 693, 895; (29) 596; (31) 391; (34) 792; (37) 191. Greece, (32) 595.
cooperation in, (32) 97.	Greece, (32) 595.
functions of criticism in, (30) 407 journal literature of, (30) 401.	Hungary, (27) 594; (34) 596; (35) 497, 590, Idaho, (40) 689.
progress in, (27) 818; (29) 404.	India, (31) 491; (33) 295, 594, 789; (34) 92, 491; (35) 91, 498, 590; (37) 891; (38) 596, 695; (39) 595, 896; (40) 793, 804.
society for promotion, (26) 1.	491; (35) 91, 498, 590; (37) 891; (38) 596,
settlement, intensive, in eastern Prussia, (30) 692.	095; (39) 595; 890; (40) 793; 804. Indiana (37) 891
shows in Bengal, (26) 493.	Indiana, (37) 891. Ireland, (28) 389; (27) 796; (30) 297; (31)
amall haldman	895; (33) 894; (36) 393, 494; (38) 90, 295, 393.
advantages of, (30) 492. buildings for, (31) 786. economy of, (29) 188. in Denmark, (26) 292; (29) 895. England and Wales, (31) 592. Great Britan, (28) 6098, (28) 500, 200	Italy, (32) 491; (34) 896; (40) 194.
buildings for, (31) 786.	Japan, (27) 391; (33) 395; (37) 492, 792; (39)
in Denmark, (26) 292; (29) 895.	595. Java and Madura, (36) 594; (37) 191.
England and Wales, (31)592.	Kansas, (33) 695; (38) 91; (40) 690.
Great Britain, (26) 592, 688; (27) 590, 591, 894	Kentucky, (36) 290.
Italy, (34) 391.	Manitoba, (27) 594; (38) 596. Missouri, (36) 689; (39) 813.
Oxfordshire, (37) 791.	Nebraska, (40) 194.
paper on, (26) 592. treatise, (28) 790.	Netherlands, (31) 391; (32) 193; (33) 894; (36) 393; (38) 393; (40) 894.
social week in Chile, (34) 293.	New Zealand, (31) 790.
societies—	Norway, (33) 193; (37) 93; (38) 295; (39)
affiliation, (26) 195. in Bombay Presidency and Sind (30) 603	896. Ohio, (35) 497; (37) 191.
in Bombay Presidency and Sind, (30) 693. Finland, (37) 790.	Ontario, (26) 688; (30) 297.
Germany, (29) 392. Great Britain, (26) 895.	Pennsylvania, (39) 896.
Jamaica, (26) 687	Porto Rico, (29) 189. Portugal, (36) 690: (39) 191
Pennsylvania, (37) 888. Tunis, (31) 492. United Kingdom, (32) 893.	Prairie Provinces, Canada, (40) 594.
Tunis, (31) 492.	Prussia, (26) 492; (30) 494.
joint-stock, share leasing basis, (40) 490.	(34) 792; (36) 393.
society—	Porto Rico, (29) 189. Portugal, (36) 690; (39) 191. Prairie Provinces, Canada, (40) 594. Prussia, (26) 492; (30) 494. Queensland, (27) 489; (30) 791; (32) 288; (34) 792; (36) 383. Roumania, (27) 92, 594; (30) 896; (35) 894. Russia, (30) 392; (33) 193; (36) 504; (38) 295.
Minnesota State, history, (27) 490.	Aussia, (30) 392; (33) 193; (36) 594; (38) 295.
of Malmohus Province, report, (37) 597.	Sao Paulo, (36) 291, 690.
at Cawnpore, report, (29) 138.	Saxony, (31) 96; (35) 297.
of Agra and Oudh, report, (26) 436.	894; (35) 497; (37) 392; (40) 194.
stations in India, report, (26) 232, 233. statistics, (27) 692.	South Africa, (29) 897.
statistics—	Sao Paulo, (36) 291, 690. Saxony, (31) 96; (35) 297. Scotland, (32) 493; (30) 594; (32) 391; (33) 894; (35) 497; (37) 392; (40) 194. South Artica, (29) 897. South Australla, (27) 193, 693; (29) 295. Southern Rhodesia, (33) 590. Spain. (36) 791; (37) 191, 827; (38) 695; (40)
census methods, (30) 790.	
errors in, (34) 896.	094.
handbook, (32) 490. in Algeria, (33) 395.	Sweden, (31) 691; (33) 395; (35) 894; (40) 294.
Argentina, (27) 796; (31) 191; (35) 91, 893; (36) 690; (38) 596; (40) 792. Australia, (27) 595; (28) 295; (38) 393; (40) 340 303	Switzerland, (27) 895; (31) 895; (33) 193; (35) 590; (36) 393; (38) 695; (40) 793. Trinidad and Tobago, (40) 392.
Australia, (27) 595; (28) 295; (38) 303; (40)	Trinidad and Tobago. (40) 393.
010, 000.	Uganda, (38) 495. Union of South Africa, (32) 301; (33) 789,
Austria, (30) 493, 896; (32) 491.	Union of South Africa, (32) 301; (33) 789, 895.
Belgium, (29) 393; (31) 491; (32) 288. Bengal, (27) 296; (30) 896.	United States, (29) 88: (30) 801 809: (21)
Bohemia, (30) 297. Brazil, (38) 393.	090, (32) 480, 089; (33) 93, 192, 299, 894
British colonies, (27) 92.	(36) 594. Uruguay, (36) 090; (38) 896; (30) 896.
British Columbia (27) 706	various countries, (27) 194; (32) 401
British Empire, (32) 491; (33) 492; (34) 596.	V 1060F1A. (29) 896
British Empire and foreign countries, (31)	Wisconsin, (37) 891. international, (31) 191, 594, 790; (34) 91, 290,
British Guiana, (35) 795; (37) 291; (40) 93.	300.
British India, (30) 392; (31) 191; (36) 291. British possessions, (30) 493; (33) 295.	international, for 1911–12, (33) 295. methods of gathering, (33) 295.
Duigatia, (30) 594.	notes, (26) 897.
California, (33) 788; (40) 194. Canada, (30) 91; (33) 193; (34) 490; (38)	sources, (40) 594. students—
290.	and selective service law, (38) 198
Chile, (32) 689; (37) 92; (38) 495, 695; (40)	and selective service law, (38) 198 biological training for, (28) 91. practical training for, (28) 101. practical training for, (28) 2010.
894. Denmark, (30) 392; (31) 598; (32) 504, (32)	
93; (34) 792; (37) 392; (39) 91.	survey in-
Egypt, (26) 390; (33) 395; (38) 295.	Canada, (27) 692; (32) 593. Montana, Gallatin Vollay, (21) 690
894. Denmark, (30) 392; (31) 596; (32) 594; (33) 93; (34) 792; (37) 392; (39) 91. Egypt, (26) 390; (33) 385; (38) 295. England and Wales, (33) 894; (34) 491; (35) 590, 883; (36) 393, 690; (37) 392; (38) 192, 494, 495; (39) 595; (40) 594. Finland, (30) 692; (35) 497; (36) 894, 895; (37) 39, 291; (40) 392. Florida, (33) 294. France, (27) 693; (29) 89; (34) 291, 691; (38) 393; (40) 793. French colonies, (31) 296; (35) 407	Montana, Gallatin Valley, (31) 689 Utah Lake Valley, (31) 689.
192, 494, 495; (39) 595; (40) 594.	West Virginia Brooks Commercial Com
(37) 93, 291; (40) 209	surveys—
Florida, (38) 294.	discussion, (28) 199.
France, (27) 693; (29) 89; (34) 291, 691; (38)	importance of, (31) 225. scope of, (31) 489.
French colonies, (31) 296; (35) 497.	Syndicates in Mexico. (26) 504
Galicia and Bukowina, (36) 93. Germany, (31) 790; (35) 589; (36) 494.	ocaciiei s
Germany, (31) 790; (35) 589; (36) 494.	associations in Austria, (32) 92. geology for, (28) 795.

Agricultural—Continued.	Agriculture—Continued.
teachers—continued.	elementary—continued.
New York organization, (20) 499.	laboratory manual, (29) 93; (33) 297. lessons in, (30) 94, 791, 795; (31) 394; (33) 597;
organization, (32) 92.	lessons in, (30) 94, 791, 795; (31) 394; (33) 597;
preparation, (28) 97; (33) 303, 596, 798; (35)	
organization, (32) 92. preparation, (28) 97; (33) 303, 596, 798; (35) 406; (39) 595, 798.	manual, (31) 196, 599; (40) 795.
quanneations, (20) 491.	pedagogical principles, (26) 691.
summer schools, (39) 798.	teaching, (28) 491, 598; (31) 194, 791.
training, (40) 391, 395, 399, 491, 595, 596, 598,	textbook, (27) 897; (28) 298; (29) 193, 298;
691, 692. training courses, (37) 794.	(30) 100, 490, 597, 598, 695, 795; (34) 196,
training school for, (28) 98.	(39) 602. manual, (31) 196, 599; (40) 795. pedagogical principles, (26) 691. teaching, (28) 491, 598; (31) 194, 791. textbook, (27) 897; (28) 298; (29) 193, 298; (30) 196, 496, 597, 598, 695, 795; (34) 196, 493, 598, 599, 793; (36) 692; (37) 795; (38) 196, 496.
teaching—	encyclopedia, (33) 793.
association for advancement, (28) 96.	European, observations on, (26) 895.
departmental organization (38) 495	experience v. investigations in, (34) 101.
monograph, (32) 896.	explosives in. (30) 589.
treatise, (39) 691.	explosives in, (30) 589. for school and faim, (35) 93.
monograph, (32) 896. treatise, (39) 691. tenancy, see Land tenancy and Land tenure.	for women teachers,
terms in India, (37) 436.	forestry 111, (27) 393.
terms in India, (37) 436. trade between France and Russia, (31) 96.	forestry iii, (27) 393. geographical atlas, (38) 895.
training for women in Holland, (33) 596.	geologic-agronomical maps in, (28) 619.
transportation in Belgian Kongo, (40) 390.	German, as affected by climate, (27) 617.
unions in France, (27) 590. unit, enlarging, (27) 794.	government and to-
wages are Agricultural labor wages and Wages	in Europe, (26) 896. Finland, (28) 392.
wages, see Agricultural labor wages and Wages. warehouses in Bavaria, (34) 691.	Great Poits in (00) for
words textbook (27) 393	Great Britain, (28) 595.
words, textbook. (27) 393. work during winter season, (33) 292.	Ireland, (27) 897; (28) 689 Notherlands, (30) 491
work in Algeria, (31) 698.	Norway (32) 392
work in Algeria, (31) 698. zones of Tropics, (30) 317.	Russia, (28) 498.
zones of Tropics, relation to climate, (26) 118.	Norway, (32) 392. Russin, (28) 498. Wales, (28) 99.
Agriculture—	graduate school, (28) 696; (27) 101; (28) 799; (30) 96; (31) 301; (32) 798; (34) 300, 699; (35) 401. graduate study in, (26) 10; (32) 9. graphic summary, (37) 595.
address on, to bankers' committee, (40) 890.	96; (31) 301; (32) 798; (34) 300, 699; (35) 401,
advanced course in, (26) 691.	graduate study in, (26) 10; (32) 9.
after the war, papers on, (40) 298. Alpine, development in Italy, (26) 130.	graphic summary, (37) 595.
Alpine, development in Italy, (26) 130.	mgnet council of in France, (50) 595.
American, organization, (30) 490.	history of, (34) 689.
and meteorology, paper on (29) 120.	home exercises in, (20) 598.
and meteorology, paper on (29) 120. preparedness, treatise, (37) 389.	home project courses in, (38) 897.
ramoada, relative productivity, (20) 001.	home study course for teachers, (26) 497.
science in high schools, (30) 897. as affected by—	in A hyceinia (20) 424
	Alaska. (29) 791: (32) 89: (35) 295: (36) 791.
climate, (29) 811. European war, (35) 601, 891. new international relationships, (40) 487. at American Association for the Advancement of Science, (32) 101; (34) 396; (36) 2. British Association for the Advancement of Science, (30) 399; (32) 398; (34) 298. Christohurch Technical College, (31) 898. Kirksville, Mo., Normal School, (28) 692. National Education Association, (29) 399; (31) 498; (33) 799; (35) 197. North Carollina State Normal and Industrial	importance and progress of, (29) 896. in Abyssinia, (30) 434. Alaska, (20) 791; (32) 89; (35) 295; (36) 791. Algoria, (33) 895; (40) 487. Algoria and Tunis, (40) 594. America and China comparison (27) 601
new international relationships, (40) 487.	Algeria and Tunis, (40) 594.
at American Association for the Advancement	America and China, comparison, (27) 691. America, economic history, (37) 189. American Association for the Advancement
of Science, (32) 101; (34) 396; (36) 2.	America, economic history, (37) 189.
British Association for the Advancement of	American Association for the Advancement
Science, (30) 309; (32) 398; (34) 298.	of Science, (31) 604. Argentina, (27) 193; (28) 488; (31) 93, 296, 390, 505; (33) 295, 788; (36) 689; (37) 190. Australia, (26) 189; (30) 595; (31) 492; (33) 193; (36) 93, 701; (39) 192, 690. Austria, (27) 391. Buvaria, (26) 180. Belgian Kongo, (31) 596, 789; (38) 393; (40) 399.
Christchurch Technical College, (31) 898.	Argentina, (27) 193; (28) 488; (31) 93, 296, 390,
Kirksville, Mo., Normai School, (28) 092.	595; (35) 295, 788; (30) 689; (37) 190.
(21) 400, (22) 700, (25) 107	(28) 02 701 · (20) 103, (30) 333, (31) 432, (33) 133,
North Carolina State Normal and Industrial	Anetria (27) 301
College (26) 497	Bayaria. (26) 180.
College, (20) 497. Pan American Neiontific Congress, (34) 304. State School of Agriculture, Canton, New York, (26) 791. Syracuse University, (27) 399. Tohoku Imperial University, Japan, (33)	Belgian Kongo, (31) 596, 789; (38) 393; (40)
State School of Agriculture, Canton, New	
York. (26) 791.	Belgium, (33) 292.
Syracuse University, (27) 399.	Belgium, (33) 292. Berkshire, (40) 590. black belt of Alabama, (35) 794.
Tohoku Imperial University, Japan, (33)	black belt of Alabama, (35) 794.
474.	Brazii, treatise, (26) 189.
University of Bristol, (28) 399.	British Columbia, (31) 490; (32) 593.
bibliography, (28) 492; (29) 598; (31) 692. board of in New Zealand, (32) 399.	British East Africa, (26) 703; (37) 734. British Guiana, (40) 93, 487. British India with notes on Coylon, Afghan-
Pritish as a business proposition (40) 309	Dritish India with notes on Coulon Afghans
British, as a business proposition, (40) 392. British, manual, (30) 297.	istan, and Tibet, (33) 895.
Canadian, improving, (27) 692.	Bulgaria, (33) 92.
catechism, (30) 195.	California, (35) 194; (36) 93.
collectivism in, (40) 688.	
colloid chemistry in, (29) 408.	Canada, (26) 896; (33) 93; (36) 791.
colloid chemistry in, (29) 408. colonial, in Ituly, (34) 491.	Cantornia, relation to 8-nour law, (32) 191. Canada, (20) 896; (33) 93; Canton, China, Christian College, (26) 699. Ceylon, (36) 393. Chile, (34) 401.
correlating with public school subjects, (32) 596.	Ceylon, (36) 393.
correspondence courses in, (26) 19; (27) 897; (30)	Chile, (34) 491.
695; (31) 297; (33) 96; (35) 592.	Cititia, (60) 910.
courses in, (27) 196; (29) 92, 93, 693, 694, 791.	China, Korea, and Japan, (27) 518.
cyclopedia, (38) 899. Department of, see United States Department	Connecticut, (34) 289. country life education, (29) 92.
of Agriculture.	Crote (39) 192
development in Europe, (40) 589.	Crete, (39) 192. Cuba, (37) 591.
directors of, in New York, (40) 295.	
diversified, address on, (33) 490.	Denmark, (27) 391; (28) 488; (29) 693; (30)
economic factors in (38) 594.	91; (31) 93, 491; (36) 791.
educational value, (27) 698.	Dutch East Indies, (35) 696.
einciency movement in, (33) 490.	Egypt, (27) 193; (32) 894; (35) 794, 894.
elementary	Cyprus, (33) 207 Denmark, (27) 391; (28) 488; (29) 692; (30) 91; (31) 93, 491; (36) 791. Dutch East Indies, (35) 696. Egypt, (27) 193; (32) 894; (35) 794, 894. England, (30) 894; (31) 93, 94; (36) 594. England and Wales, (38) 789. England and Wales after the war, (37) 791.
courses in, (27) 96; (31) 298; (32) 596; (33) 95, 297, 298; (34) 93, 94, 292, 395; (87) 395.	England and Wales, (36) 789.
90, 297, 298; (34) 93, 94, 292, 395; (87) 395.	Engiand and wates after the war, (37) 791.
exercises in, (32) 290.	England, treatise, (28) 488. Europe after the war, (38) 401. Finland, (30) 599; (33) 396.
field trips in, (31) 394. handbook, (26) 94, 191, 391.	Finland (30) 599: (33) 398
MINISTERIAL CONT. CAT TOTA DOT.	- munutal last assi (ast assi

```
Agriculture—Continued.
in Southern States, progress and possibilities, (29) 189.
southwest Africa, (39) 896.
Spain, (28) 88; (30) 595; (33) 292; (34) 689; (36) 688; (39) 690; (40) 487.
Sudan, (40) 791.
Sulphur Spring Valley, (32) 513.
Sweden, (35) 395; (36) 690; (37) 93, 191.
Switzerland, (38) 91, 596.
Tennessee, (35) 795.
the Alps, (27) 218.
the Cotswolds, (31) 491.
the South, (26) 692.
the South, (26) 692.
the South, (26) 692.
Transvaal and vicinity, (26) 490.
Trinidad and Tobago, (27) 895.
tropical America, (29) 896; (31) 595.
Tropics, treatise, (32) 227.
Tunis, (31) 492.
Uganda, (34) 291.
United Kingdom as affected by the war, (40) 487.
United Kingdom as affected by the war, (40) 487.
Agriculture—Continued.
in Finland, improvement, (39) 898.
Formosa, (31) 491.
France, (27) 193; (37) 890; (38) 90, 896; (39) 424.
France after the warr, (40) 487, 590, 686.
French colonies, (40) 590, 622.
Germany, (29) 190, 896; (33) 594; (34) 689; (36) 291.
Germany, 2nd Funne review, (38) 293.
                                                                         (36) 291.
Germany and Flance, review, (38) 293.
Germany, handbook, (30) 594.
Great Britain, (37) 595, 697.
Great Britain, government aid to, (26) 101.
Great Britain, improvement, (28) 192.
Great Britain, state aid, (38) 594.
Great Britain, treatise, (39) 592; (40) 387, 889.
Great Britain under war conditions, (38)
                                                                                             102
                                                                       102.
Guiana, (31) 391.
Harlem (Ill.) consolidated school, (31) 597.
Hausa Land, northern Nigeria, (30) 896.
Hawaii, (36) 291.
Hokkaido, Japan, American influence upon,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Uginda, (34) 291.
United Kingdom as affected by the war, (40)
487.
United States, (31) 295; (33) 789; (34) 791.
United States, graphic summary, (35) 191.
United States, relation to rainfall, (33) 715.
treatise, (32) 891.
upper Wisconsin, (34) 431.
Uruguay, (34) 92, 394.
various countries, pamphlet, (30) 692.
Victoria, (31) 296.
Virgin Islands, (38) 608; (40) 391.
Zanzibar, (38) 192.
Indian, in Arizona, (37) 437.
intensive, in tropical Amorice, (34) 306.
interesting high school boys in, (28) 692.
international congress of, (29) 101.
international congress of, (29) 101.
international institute of, (29) 1; (33) 91; (39)
497, 680.
laboratory manual, (28) 393; (34) 94.
lessons on, (28) 393, 693.
manual, (28) 392; (31) 494.
meteorological observations in, (31) 614.
meteorology in, (34) 606.
method of least squares in, (30) 632.
net output from, in England, (37) 595.
of Hidats Indians, (38) 694.
of Indo-Germanic people, history, (27) 691.
on reclamation projects, (27) 595.
on Truckee-Carson project, (28) 839.
persons engaged in, in United States, (32) 190,
phenology and climatology in, (26) 613.
physics, chemistry, and bacteriology in, (32)
838.
postal savings funds for, (29) 895.
power for, (27) 588.
prevention of waste in, (40) 589.
                                                                       Hokkado, Japan, American influence upon, (33) 492.
Illinois, Pike County, (36) 788.
Imperial Valley, (36) 789.
India, (27) 796; (36) 494; (37) 595.
India, handbook, (34) 95; (40) 823.
Indo-China, (36) 191.
Ireland, (36) 594.
Ireland, England, Germany, and Denmark, (31) 93.
                                                                    Sys. poetal savings funds for, (29) 895.
poetal savings funds for, (29) 895.
power for, (27) 58s.
prevention of waste in, (40) 589.
progress in, (32) 98.
Prussian boards of, (40) 891.
reading courses in, (26) 297; (29) 598; (31) 394
(32) 795; (33) 695.
records in, (31) 490.
relation to—
cattle feeding, (28) 365.
climate, (28) 26; (34) 114.
climate and soils, (36) 417.
entomology, (33) 152.
eugenics, (36) 92.
European war, (38) 98.
geology, (30) 212.
manufacturing in New England, (36) 391.
native vegetation in Peru, (36) 27.
phenology and climatology, (29) 15.
railroads, (28) 92.
requirement for degree in, (28) 11.
review of literature, (28) 536; (31) 392.
revival on volcanic ash, (28) 219.
rôle of infinitely small amounts of chemicals in, (28) 125; (29) 129.
rôle of state in, treatise, (40) 790.
school and home projects in, (35) 195.
weather, (28) 414, 716.
sohool exercises in, (36) 596.
science and practice in, (36) 2, 604.
secondary course in, (30) 598; (38) 496.
short courses in Canada, (35) 695.
Spanish, society for improvement, (26) 498.
Swedish, promotion, (30) 404.
                                                                         (33) 795; (36) 690; (37) 791; (39) 690; (40) 195.

North Carolina, (34) 288; (36) 494.

northern Africa, (31) 789.

northern New York, (35) 509.

northwestern States, (29) 594.

Norway, (29) 897; (30) 194; (31) 192; (33) 492, 594; (34) 92; (36) 896; (37) 591.

Oklahoma, (38) 793.

Oregon, (30) 791.

Oxfordshire, treatise, (37) 291.

Paolific Coast States, (34) 391.

Palestine, (30) 799.

Philippines, (35) 193; (36) 93; (37) 791.

Pinar del Rio, Cuba, (36) 791.

Porto Rioo, (40) 690, 890.

Portuguless Angola, (36) 393.

Red River Valley, Minnesota, (33) 593.

Roman Tuscany, (33) 492.

Roumania, (33) 695.

Russia, (30) 595, 896; (32) 288, 489; (33) 895.

San Simon Valley, Arizona and New Mexico, (37) 486.
                                                                         San Simon Valley, Arizona and New Mexico, (37) 488.
Saxony, (32) 689.
Scotland, (36) 291; (37) 891; (40) 590." [
Scotland and Ireland as affected by European war, (34) 298.
Scotland, conference on, (38) 293.
Serbia, (33) 594.
South Africa, (31) 492; (35) 795; (40) 791.
South Africa, improvement, (37) 389.
South America and Western Europe, treatise, (31) 895.
Southern New York, highland region, (33) 511.
```

Agriculture—Continued	Agronomy—Continued
tettbook, (26) 94; (27) 598; (28) 826, 897; (29) 93; (31) 693; (33) 95, 494, 597, 791, 898; (35) 92, 499; (36) 394; (37) 795, 888; (39) 898; (40)	terminology, (28) 537; (35) 30; (36) 827. textbook, (34) 598.
92, 499; (36) 394; (37) 795, 888; (39) 898; (40)	Agropyron—
492, 897. theories of Karl Marx, (29) 491.	occidentalis, culture under dry-land condi- tions, (31) 429.
theories of Karl Marx, (29) 491. theory of errors in, (30) 599.	repens, description and structure, (31) 37.
training schools in, (29) 199. treatise, (26) 189; (28) 690; (29) 594; (32) 131,	repens, monograph, (29) 141. repens, plant food absorption and growth,
429; (34) 689; (37) 728.	(32) 630.
tropical—	scabrum, analyses, (30) 565.
bibliography, (26) 629. development, (31) 297.	spp., culture experiments, (27) 234. spp., digestibility, (32) 770.
manual, (30) 395.	spp., identification, (29) 741.
Pacific coast institute, (40) 294. technical education in, (34) 491; (36) 896.	spp., identification of seeds, (32) 436. spp., rust spores in seeds of, (30) 241.
textbook, (33) 397; (35) 896. treatise, (40) 622.	tonerum, seeding on ranges, (30) 35.
use of electricity in, (26) 789; (27) 89, 292, 891;	Agrostemnia githago— notes, (30) 236.
(33) 890.	role of Saponins in, (33) 524.
use of explosives in, (26) 91; (29) 183.	seed weight, (37) 831. toxicity, (39) 892.
vocational training in, (31) 692. women's place in, (31) 98. women's share in, (26) 299.	Agrostis-
women's share in, (26) 299.	alba, analyses, (29) 270.
yearbook, (34) 494. Agrilus—	alba, seeding on ranges, (30) 35. ash constituents, (30) 334.
anxius, see Birch borer, bronze.	Agrotis—
bilineatus, see Chestnut borer, two-lined. burkei n.sp., description, (37) 566.	hand picking and trapping, (32) 59.
burkei n.sp., description, (37) 566. champlaini, notes, (28) 554. dozieri n.sp., description, (40) 759.	saucia, notes, (33) 252.
dozieri n.sp., description, (40) 759.	artificial infestation with parasitic Hymen-
egenus, notes, (35) 356. hastulifer, life history and control, (34) 361. politus infesting.roses, (33) 256. politus, romedies, (31) 60.	optera, (33) 155.
politus infesting roses, (33) 256.	biology, (32) 59. injurious to tobacco, (31) 60.
	life history and remodies (21) 127
spp., habits, (32) 250.	remedies, (33) 748,
spp., notes, (27) 755; (28) 158. viridis fagi in New Jersey. (34) 355.	spp., notes, (27) 453, 656; (28) 555.
spp., habits, (32) 250. spp., notes, (27) 755; (28) 158. viridis fagi in New Jersey, (34) 355. vittaticollis, studies, (32) 248. Agrimony, occurrence of barium in, (26) 432.	remedies, (33) 748, spp., biology, (32) 59, spp., notes, (27) 453, 656; (28) 555, ypsilon, see Cutworm, black
Agrimony, occurrence of parium in, (26) 432. Agriclimax agrestis—	Agrypnus fuscipes, notes, (29) 858. Aguman, description, (30) 557.
feeding habits, (34) 458.	Ahnfeldtia plicata, analyses, (37) 814.
injurious in gardens, (39) 655. notes, (40) 56.	Ailanthus altissima, history and botanical notes, (35) 747.
Agriophara rhombota, notes, (30) 660.	Air—see also Atmosphere.
Agriotes-	alveolar, sampling, (31) 369. and water, review of literature, (28) 115.
(Elater) segetis, notes, (34) 757. lineatus, notes, (29) 858.	ascent above active volcances, (33) 118.
lineatus, notes, (29) 858. lineatus, remedies, (26) 256.	hacteria in, (34) 208.
lineatus, notes, (29) 858. lineatus, remedies, (26) 256.	hacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9.
lineatus, notes, (22) 558. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765.	hacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663.
lineatus, notes, (29) 558. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza—	hacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost solls, (31) 26. cold, drainage, (27) 116.
lineatus, notes, (29) 558. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza—	hacteria in, (34) 208. hacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost solls, (31) 28. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152.
lineatus, notes, (29) 588. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (28) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor n.sp., description, (30) 658. destructor, studies, (40) 457.	hacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forest soils, (31) 26. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night. (40) 314.
lineatus, notes, (22) 558. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (26) 252; (32) 555. obscurus, larvai and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor n.sp., description, (30) 658. dastructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (30) 160.	hacteria in, (34) 208. hacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forest soils, (31) 26. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207.
lineatus, notes, (29) 588. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor n.sp., description, (30) 658. destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (30) 160. gay'l n.sp., description, (37) 460.	hacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forest soils, (31) 26. cold, drainage, (27) 116. conditioning appearatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413.
lineatus, notes, (29) 588. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor n.sp., description, (30) 658. destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (30) 160. gay'l n.sp., description, (37) 460.	hacteria in, (34) 208. hacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forest soils, (31) 26. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, ontes, (32) 614. dry and moist, effect on gaseous metabolism,
lineatus, notes, (29) 558. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor n.sp., description, (30) 658. destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (30) 160. gayl n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263.	bacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 26. cold, drainage, (27) 116. conditioning appearatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869.
lineatus, notes, (29) 588. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor n.sp., description, (30) 658. destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (30) 160. gay'l n.sp., description, (37) 460.	hacteria in, (34) 208 hacteria in, (34) 208 hacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forest soils, (31) 26. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, offect on trees, (31) 348.
lineatus, notes, (29) 588. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor n.sp., description, (36) 658. destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (30) 160. gayl n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. laterella, studies, (40) 169. molampyga, notes, (20) 147.	bacteria in, (34) 208 bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 28. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, effect on trees, (31) 348. expired—
lineatus, notes, (29) 588. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agronyza— destructor fishel, (31) 814. Agromyza— destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (27) 165. fabalis, notes, (30) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. latrella, studies, (40) 169. molampyga, notes, (26) 147. n.spp., descriptions, (37) 764.	hacteria in, (34) 208 hacteria in, (34) 208 hacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 26. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. cxclusion, effect on trees, (31) 348. expired— in relation to ventilation, (31) 363.
lineatus, notes, (22) 588. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agromyza— destructor sheld, (31) 814. Agromyza— destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (27) 165. fabalis, notes, (27) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. latrella, studies, (40) 169. molampyga, notes, (20) 147. n.spp., descriptions, (37) 764. nigripes injurious to alfalfa, (33) 555. paryleornis, see Corn leaf minor.	bacteria in, (34) 208 bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 26. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. oxclusion, effect on trees, (31) 348. expired— in relation to ventilation, (31) 363. noisture content, (32) 764. reinspolation, (31)
lineatus, notes, (29) 588. lineatus, remedies, (26) 266. mancus larvae, furnigation, (40) 256. mancus larvae, furnigation, (40) 256. mancus, notes, (28) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (20) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. laterella, studies, (40) 169. molampyga, notes, (20) 147. n.spp., descriptions, (37) 764. nigripes injurious to alfalfa, (33) 555. parvicornis, see Corn leaf minor. phascoli, notes, (20) 667; (30) 458; (32) 350. pruinosa, investigations, (30) 855.	bacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 28. cold, drainage, (27) 116. conditioning appearatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, effect on trees, (31) 348. expired— In relation to ventilation, (31) 363. moisture content, (32) 764. reinspiration, (31) 76. temperature of, (31) 460.
lineatus, notes, (29) 588. lineatus, remedies, (26) 266. mancus larvae, furnigation, (40) 256. mancus larvae, furnigation, (40) 256. mancus, notes, (28) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (20) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. laterella, studies, (40) 169. molampyga, notes, (20) 147. n.spp., descriptions, (37) 764. nigripes injurious to alfalfa, (33) 555. parvicornis, see Corn leaf minor. phascoli, notes, (20) 667; (30) 458; (32) 350. pruinosa, investigations, (30) 855.	bacteria in, (34) 208 bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 26. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. oxclusion, effect on trees, (31) 348. expired— in relation to ventilation, (31) 363. moisture content, (32) 764. reinspiration, (31) 70. temperature of, (31) 466. toxic bodies in, (33) 167. water content and temperature, (33) 567.
lineatus, notes, (29) 588. lineatus, remedies, (26) 266. mancus larvae, furnigation, (40) 256. mancus larvae, furnigation, (40) 256. mancus, notes, (28) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (20) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. laterella, studies, (40) 169. molampyga, notes, (20) 147. n.spp., descriptions, (37) 764. nigripes injurious to alfalfa, (33) 555. parvicornis, see Corn leaf minor. phascoli, notes, (20) 667; (30) 458; (32) 350. pruinosa, investigations, (30) 855.	bacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 26. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, effect on trees, (31) 348. expired— in relation to ventilation, (31) 363. moisture content, (32) 764. reinspiration, (31) 70. tomperature of, (31) 460. toxic bodies in, (33) 167. water content and temperature, (33) 567. humidification, (31) 70.
lineatus, notes, (29) 588. lineatus, remedies, (26) 256. mancus larvae, fumigation, (40) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor n.sp., description, (30) 658. destructor n.sp., description, (30) 658. destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (30) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 68. laterella, studies, (40) 169. molampyga, notes, (26) 147. n.spp., descriptions, (37) 764. nigripes injurious to alfalfa, (33) 555. parvicornis, ser Corn leaf minor. phaseoli, notes, (29) 673; (30) 453; (32) 350. pruinosa, investigations, (30) 855. pruin n.sp., description, (33) 749. pusilla, studies, (29) 867; (39) 362. schineri, notes, (29) 159. seutellata, notes, (38) 663.	bacteria in, (34) 208 bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 28. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, effect on trees, (31) 348. expired— in relation to ventilation, (31) 363. moisture content, (32) 764. reinspiration, (31) 70. temperature of, (31) 466. tovic bodies in, (33) 167. water content and temperature, (33) 567. humidification, (31) 70. humidity— of (23) 566
lineatus, notes, (29) 588. lineatus, remedies, (26) 266. mancus larvae, furnigation, (40) 256. mancus larvae, furnigation, (40) 256. mancus, notes, (28) 147; (29) 252; (32) 655. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor, studies, (40) 457. diminuta, notes, (27) 185. fabalis, notes, (30) 160. gayl n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. laterella, studies, (40) 168. molampyga, notes, (20) 147. n.spp., descriptions, (37) 764. nigripes injurious to alialfa, (33) 555. parvicornis, see Corn leaf minor. phaseoli, notes, (29) 687; (30) 458; (32) 360. pruinosa, investigations, (30) 855. pruin n.sp., description, (33) 749. pusilla, studies, (29) 857; (39) 362. schineri, notes, (29) 159. scutollata, notes, (28) 638. scutellata on cotton, (33) 255.	bacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forest soils, (31) 28. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, effect on trees, (31) 348. expired— in relation to ventilation, (31) 363. moisture content, (32) 764. reinspiration, (31) 70. temperature of, (31) 466. toxic bodies in, (33) 167. water content and temperature, (33) 567. humidification, (31) 70. humidifity— of, (33) 806. of in mines. (29) 121.
lineatus, notes, (29) 588. lineatus, remedies, (26) 266. mancus larvae, furnigation, (40) 256. mancus larvae, furnigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 655. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor, studies, (40) 457. diminuta, notes, (27) 185. fabalis, notes, (30) 160. gayl n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. koy, (39) 661; (40) 263. larvae on artichoke, (40) 68. laterella, studies, (40) 168. laterella, studies, (40) 168. molampyga, notes, (26) 147. n.spp., descriptions, (37) 764, nigripes injurious to alfalfa, (33) 555. parvicornis, see Corn leaf minor. phascoli, notes, (20) 667; (30) 458; (32) 360. prulinosa, investigations, (30) 855. prunin.sp., description, (33) 749. pusilla, studies, (29) 857; (39) 362. schineri, notes, (29) 189. scutollata, notes, (38) 653. scutollata on cotton, (33) 255. simplex, see Asparagus miner. spp., parasites of, (29) 356; (30) 661.	bacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forest soils, (31) 26. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, effect on trees, (31) 348. expired— in relation to ventilation, (31) 363. nucleure content, (32) 764. reinspiration, (31) 70. temperature of, (31) 466. tovic bodies in, (33) 167. water content and temperature, (33) 567. humidification, (31) 70. humidity— of, (33) 806. of in mines, (29) 121. of, measurement, (34) 416. relation to nocturnal cooling, (40) 715.
lineatus, notes, (29) 588. lineatus, remedies, (26) 266. mancus larvae, fumigation, (40) 256. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agromyza— destructor sheld, (31) 814. Agromyza— destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (27) 165. fabalis, notes, (30) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. laterella, studies, (40) 169. molampyga, notes, (20) 147. n.spp., descriptions, (37) 764. nigripes injurious to alfalfa, (33) 555. parvicornis, see Corn leaf minor. phaseoli, notes, (29) 657; (30) 458; (32) 350. prunion, investigations, (30) 855. pruni n.sp., description, (33) 749. pusilla, studies, (29) 857; (39) 362. schineri, notes, (29) 169. scutellata, notes, (38) 653. scutellata on cotton, (33) 255. simplex, see Asparagus miner. spp., parasites of, (29) 356; (30) 661. spp., related to simplex, (40) 263.	bacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forest soils, (31) 26. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, effect on trees, (31) 348. expired— in relation to ventilation, (31) 363. nucleure content, (32) 764. reinspiration, (31) 70. temperature of, (31) 466. tovic bodies in, (33) 167. water content and temperature, (33) 567. humidification, (31) 70. humidity— of, (33) 806. of in mines, (29) 121. of, measurement, (34) 416. relation to nocturnal cooling, (40) 715.
lineatus, notes, (29) 588. lineatus, remedies, (26) 266. mancus larvae, fumigation, (40) 256. mancus, notes, (28) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromy2a— destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (30) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. laterella, studies, (40) 169. molampya, notes, (20) 147. n.spp., descriptions, (37) 764. nigripes injurious to alfalfa, (33) 555. parvicornis, ser Corn leaf minor. phaseoli, notes, (29) 667; (30) 453; (32) 350. pruinos, investigations, (30) 855. pruin n.sp., description, (33) 749, pusila, studies, (29) 167. seutellata, notes, (28) 667; (39) 362. schineri, notes, (29) 169. scutollata, notes, (38) 633. scutollata, notes, (38) 635. simplex, see Asparagus miner. spp., parasites of, (29) 359; (30) 661. spp., related to simplex, (40) 263. spp., related to simplex, (40) 263. spp., related to simplex, (40) 263. spp., studies, (33) 749. Agromyzaphagus detrimentosus n.g. and n.sp.,	bacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 26. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. cxclusion, effect on trees, (31) 348. expired— in relation to ventilation, (31) 363. moisture content, (32) 764. reinspiration, (31) 70. tomperature of, (31) 460. tovic bodies in, (33) 167. water content and temperature, (33) 567. humidification, (31) 70. humidify— of, (33) 806. of in mines, (29) 121. of, measurement, (34) 410. relation to nocturnal cooling, (40) 715. in textile mills, hygienic content, (32) 211. introduction into luvaler vein, (27) 886.
lineatus, notes, (29) 588. lineatus, remedies, (26) 266. mancus larvae, furnigation, (40) 256. mancus larvae, furnigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor n.sp., description, (30) 658. destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (30) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. laterella, studies, (40) 169. molampyga, notes, (20) 147. n.spp., descriptions, (37) 764. nigripes injurious to alfalfa, (33) 555. parvicornis, see Corn leaf minor. phaseoli, notes, (29) 657; (30) 458; (32) 360. pruinosa, investigations, (30) 855. pruni n.sp., description, (33) 749. pusilla, studies, (29) 857; (39) 362. schineri, notes, (29) 159. scutollata, notes, (38) 663. scutellata on cotton, (33) 255. simplex, see Asparagus miner. spp., parasites of, (29) 359; (30) 661. spp., related to simplex, (40) 263. spp., studies, (33) 749. Agromyzaphagus detrimentosus n.g. and n.sp., description, (27) 60.	bacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 28. cold, drainage, (27) 116. conditioning appearatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, effect on trees, (31) 348. expired— In relation to ventilation, (31) 363. moisture content, (32) 764. reinspiration, (31) 70. temperature of, (31) 460. toxic bodies in, (33) 167. water content and temperature, (33) 567. humidification, (31) 70. humidity— of, (33) 806. of in mines, (29) 121. of, measurement, (34) 416. relation to nocturnal cooling, (40) 715. in textile mills, hygienic condition of, (31) 70. indoor and outdoor, microbic content, (32) 211. introduction into igualar veia, (27) 886. mechanics within cyclones and anti-cyclones,
lineatus, notes, (29) 588. lineatus, remedies, (26) 266. mancus larvae, furnigation, (40) 256. mancus larvae, furnigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromyza— destructor n.sp., description, (30) 658. destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (30) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. laterella, studies, (40) 169. molampyga, notes, (20) 147. n.spp., descriptions, (37) 764. nigripes injurious to alfalfa, (33) 555. parvicornis, see Corn leaf minor. phaseoli, notes, (29) 657; (30) 458; (32) 360. pruinosa, investigations, (30) 855. pruni n.sp., description, (33) 749. pusilla, studies, (29) 857; (39) 362. schineri, notes, (29) 159. scutollata, notes, (38) 663. scutellata on cotton, (33) 255. simplex, see Asparagus miner. spp., parasites of, (29) 359; (30) 661. spp., related to simplex, (40) 263. spp., studies, (33) 749. Agromyzaphagus detrimentosus n.g. and n.sp., description, (27) 60.	bacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 26. cold, drainage, (27) 116. conditioning appearatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, effect on trees, (31) 348. expired— In relation to ventilation, (31) 363. moisture content, (32) 764. reinspiration, (31) 70. tomperature of, (31) 460. toxic bodies in, (33) 167. water content and temperature, (33) 567. humidification, (31) 70. humidity— of, (33) 806. of in mines, (29) 121. of, measurement, (34) 416. relation to nocturnal cooling, (40) 715. in textile mills, hygienic condition of, (31) 70. indoor and outdoor, microbic content, (32) 211. introduction into jugular vein, (27) 886. mechanics within cyclones and anti-cyclones, (32) 25. methods of analysis, (29) 412.
lineatus, notes, (29) 588. lineatus, remedies, (26) 266. mancus larvae, furnigation, (40) 256. mancus larvae, furnigation, (40) 256. mancus, notes, (28) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromy2a— destructor, studies, (40) 457. diminuta, notes, (27) 185. fabalis, notes, (30) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. laterella, studies, (40) 169. molampyga, notes, (20) 147. n.spp., descriptions, (37) 764. nigripes injurious to alfalfa, (33) 555. parvicornis, ser Corn leaf minor. phaseoli, notes, (29) 687; (30) 458; (32) 350. pruinosa, investigations, (30) 855. pruin n.sp., description, (33) 749. pusilla, studies, (29) 187. soutellata, notes, (29) 187. soutellata, notes, (29) 187. spp., parasites of, (29) 365; (30) 661. spp., related to simplex, (40) 263. spp., related to simplex, (40) 263. spp., related to simplex, (40) 263. Agromyzinae, synopsis, (31) 552. Agromyzinae, synopsis, (29) 657; (30) 254.	bacteria in, (34) 208 bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 28. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, effect on trees, (31) 348. expired— in relation to ventilation, (31) 363. moisture content, (32) 764. reinspiration, (31) 70. temperature of, (31) 466. toxic bodies in, (33) 167. water content and temperature, (33) 567. humidification, (31) 70. humidification, (31) 70. humidification, (31) 70. humidification, (31) 70. in essurement, (34) 416. relation to nocturnal cooling, (40) 715. in textile mills, hygienic condition of, (31) 70. indoor and outdoor, microbic content, (32) 211. introduction into jugular vein, (27) 886. mechanics within cyclones and anti-cyclones, (32) 25. methods of hacterial analysis, (33) 610; (34) 183.
lineatus, notes, (29) 588. lineatus, remedies, (26) 266. mancus larvae, furnigation, (40) 256. mancus larvae, furnigation, (40) 256. mancus, notes, (28) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromy2a— destructor, studies, (40) 457. diminuta, notes, (27) 185. fabalis, notes, (30) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. laterella, studies, (40) 169. molampyga, notes, (20) 147. n.spp., descriptions, (37) 764. nigripes injurious to alfalfa, (33) 555. parvicornis, ser Corn leaf minor. phaseoli, notes, (29) 687; (30) 458; (32) 350. pruinosa, investigations, (30) 855. pruin n.sp., description, (33) 749. pusilla, studies, (29) 187. soutellata, notes, (29) 187. soutellata, notes, (29) 187. spp., parasites of, (29) 365; (30) 661. spp., related to simplex, (40) 263. spp., related to simplex, (40) 263. spp., related to simplex, (40) 263. Agromyzinae, synopsis, (31) 552. Agromyzinae, synopsis, (29) 657; (30) 254.	bacteria in, (34) 208 bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 28. cold, drainage, (27) 116. conditioning apparatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, effect on trees, (31) 348. expired— in relation to ventilation, (31) 363. moisture content, (32) 764. reinspiration, (31) 70. temperature of, (31) 466. toxic bodies in, (33) 167. water content and temperature, (33) 567. humidification, (31) 70. humidification, (31) 70. humidification, (31) 70. humidification, (31) 70. in essurement, (34) 416. relation to nocturnal cooling, (40) 715. in textile mills, hygienic condition of, (31) 70. indoor and outdoor, microbic content, (32) 211. introduction into jugular vein, (27) 886. mechanics within cyclones and anti-cyclones, (32) 25. methods of hacterial analysis, (33) 610; (34) 183.
lineatus, notes, (29) 588. lineatus, remedies, (26) 266. mancus larvae, fumigation, (40) 256. mancus, notes, (26) 147; (29) 252; (32) 555. obscurus, larval and pupal stages, (37) 765. Agrology of Sahel, (31) 814. Agromy2a— destructor, studies, (40) 457. diminuta, notes, (27) 155. fabalis, notes, (27) 165. fabalis, notes, (27) 165. fabalis, notes, (27) 160. gayi n.sp., description, (37) 460. graminis, notes, (27) 560. inequalis n.sp., description, (31) 456. key, (39) 661; (40) 263. larvae on artichoke, (40) 58. laterella, studies, (40) 169. molampyga, notes, (20) 147. n.spp., (descriptions, (37) 764. nigripes injurious to alfalfa, (33) 555. parvicornis, see Corn leaf minor. phaseoli, notes, (29) 667; (30) 458; (32) 350. prunion, investigations, (30) 885. pruni n.sp., description, (33) 749. pusilla, studies, (29) 867; (39) 362. schineri, notes, (29) 169. scutollata, notes, (38) 653. scutellata on cotton, (33) 255. simplex, see Asparagus miner. spp., parasites of, (29) 368; (30) 661. spp., related to simplex, (40) 263. spp., studies, (33) 749. Agromyzaphagus detrimentosus n.g. and n.sp., description, (27) 60. Agromyzidae, synopsis, (29) 657; (30) 254.	bacteria in, (34) 208. bacteriology of, (26) 174. bath, electric, description, (38) 9. breathed, effect on metabolism, (32) 663. circulation in forost soils, (31) 26. cold, drainage, (27) 116. conditioning appearatus, description, (36) 152. cooling near the ground at night, (40) 314. currents, ascending, formula for adiabatic changes in, (34) 207. drainage in river valleys, (27) 413. drainage in river valleys, (27) 413. drainage, notes, (32) 614. dry and moist, effect on gaseous metabolism, (27) 869. examination, (32) 117. exclusion, effect on trees, (31) 348. expired— In relation to ventilation, (31) 363. moisture content, (32) 764. reinspiration, (31) 70. tomperature of, (31) 460. toxic bodies in, (33) 167. water content and temperature, (33) 567. humidification, (31) 70. humidity— of, (33) 806. of in mines, (29) 121. of, measurement, (34) 416. relation to nocturnal cooling, (40) 715. in textile mills, hygienic condition of, (31) 70. indoor and outdoor, microbic content, (32) 211. introduction into jugular vein, (27) 886. mechanics within cyclones and anti-cyclones, (32) 25. methods of analysis, (29) 412.

Air—Continued.	Albizzia—
movement—continued. effect of earth's rotation on, (32) 25.	anthelmintica, analyses and digestibility, (27) 871; (32) 167.
effect on illumination of foliage, (33) 826.	insects affecting, (26) 553.
through soils, (26) 619.	Albugo— (Cystopus) sp. on sweet potatoes, (37) 452.
of antarctic region, studies, (30) 818. of Buenos Aires, bacteriological study, (37) 513.	tragopogoni on salsify, (32) 341.
physics of, (40) 616. pollution in dairy barns, (29) 474.	Albumin— blood and muscular, differentiation, (38) 583.
pressure over Europe, (34) 14.	coagulation by pressure, (32) 417.
rate of flow in soils, (34) 216. respired, composition, (28) 462.	constitution, (30) 110. determination in milk, (31) 114.
respired, heat removed by, (28) 569.	dextrorotatory, in organic nature, (31) 607.
routes and their regulation, (37) 807. soil, composition and characteristics, (33) 618.	dynamic action on kidneys, (26) 465. effect on reaction of iron salts, (28) 410.
temperature	egg-
and solar radiation intensities, relation, (32) 24.	and serum, density and solution volume, (31) 804.
reduction to true mean, (37) 116.	coagulation by heat, (26) 306.
relation to soil temperature, (34) 15. studies, (28) 116.	coagulation by ultraviolet light, (30) 110. denaturation rate in alkali, (29) 501.
upper— explorations, (32) 810.	germicidal power, (27) 763. hydrolysis, (28) 607.
illusions of, (35) 317.	identification in solutions, (26) 201.
of Australia, (36) 19. study by means of telescopes, (34) 614.	in baking powders, (36) 561. lysin content, (31) 559.
washing, studies, (30) 790.	nitrogen distribution in, (38) 310.
water, and food sanitation, treatise, (33) 258. Aira, ash constituents of, (30) 334.	nutritive value, (31) 264. rôle in glycogen formation, (31) 763.
Aitonia capensis—	studies, (39) 801.
analyses and digestibility, (27) 871. microphylla, analyses and digestibility, (32) 167.	toxicity and nutritive value, (40) 463, 464, 562.
Ajowan—	use in baking powder, (32) 356, 762.
bran, analyses, (27) 570. seed, thymol content, (39) 712.	fermentation in yeast, (33), 824. globulin ratio in antitoxic immunity, (39) 388.
Ajuga reptans, betains in, (27) 204.	heat coordation and colution (20) 715
Akebi seed, oil of, (37) 109. Akonge, description, (30) 35.	labile, relation to living protoplasm, (36) 225.
Akoon seeds, notes, (32) 613. Akron (Colo.) field station, description, (36) 33.	milk in infant feeding, (34) 258.
Alabama argillacea—	humification, (34) 516; (38) 26. labile, relation to living protoplasm, (36) 225. milk in infant feeding, (34) 258. production of anaphylaxis by, (26) 374. silicates, colloidal, nature, (32) 420, 421.
notes, (26) 856; (27) 756; (28) 60, 158, 762; (29) 456; (30) 356, 657; (31) 350; (39) 862.	use in food products, (34) 167. water, effect on gastric secretion, (26) 466.
outbreak in Peru, (29) 356.	Albuminous—
remedies, (28) 757. studies, (27) 556.	bases, isolation from soils by hydrolysis, (35) 212.
Alabama—	crystalloids in potato leaves, (33) 824.
Canebrake Station, notes, (27) 696; (37) 97, 299,	Albumoses in body tissues and blood, (38) 366. Aloides bubo, egg-laying habits, (38) 359.
797; (38) 96. College, notes, (27) 300, 799; (28) 396; (29) 195,	Alcohol— amyl, use in milk fat tests, (36) 507.
College, notes, (27) 300, 799; (28) 396; (29) 195, 300, 497, 697; (31) 496; (32) 395, 694; (33) 496; (34) 198, 495; (35) 397; (36) 196, 397; (37) 498,	anhydrous, preparation, (35) 110.
700.	anhydrous, preparation, (35) 110. as fuel, (32) 885. as substitute for gasoline, (32) 788.
College Station, financial statement, (27) 396, 599; (28) 796.	boiling, extracting plants with, (26) 108. coagulation of milk by, (33) 113.
College Station, notes, (26) 96; (27) 300, 799; (28) 396; (29) 195, 497, 697; (32) 396, 694; (34) 198, 495; (36) 196, 397; (37) 97, 496, 700. College Station, report, (32) 496, 795, 899; (34) 693; (35) 299; (36) 693; (37) 599; (38) 899; (40) 798	denatured—
495; (36) 196, 397; (37) 97, 496, 700,	as a decarbonizer and engine cleanser, (29)
College Station, report, (32) 496, 795, 899; (34)	787. detection, (30) 211.
_ 120.	fuel value, (28) 384. detection in fermenting fluids, (26) 308.
College Station, report of director, (27) 396, 599; (28) 796.	determination, (38) 315.
River, average stream flow, (27) 316.	determination— from specific gravity, (31) 505.
Alanin— action upon esters, (31) 711.	in formaniation mirtures (26) 500
as source of ammonia, (29) 723.	presence of Retones, (20) 716, presence of phenol, (35) 13.
heat of combustion, (26) 160. in yeast protein, (36) 501.	presence of ketones, (29) 716. presence of phenol, (35) 13. vinegar, (40) 712. wine, (31) 505. wine, beer, etc., (30) 508.
influence on action of alkali on glucose, (37) 109.	wine, beer, etc., (30) 508.
ingested, metabolism rate of, (33) 755. ingestion, effect on metabolism, (28) 867.	disinfection, theory and practice, (40) 581. effect of X-rays on fermentation, (27) 231.
δ-alanin and δ-valin, separation, (30) 313.	effect on-
Alaptus— criococci, parasitic on orange scale, (26) 554.	ammonia fixing power of soils, (27) 323. antigenic properties of horse meat protein,
immaturus n.sp., description, (37) 855.	(30) 779.
Alaria n.spp., descriptions, (39) 791. Alaska Stations—	catalase of blood, (40) 364. egg development, (26) 772.
notes, (35) 397.	egg yolk of pigeons, (37) 773. formation of carbon dioxid by dead yeast,
report, (28) 493; (29) 793; (33) 698; (36) 497; (39) 196.	(37) 203,
work of, (38) 602.	gastric secretion, (26) 466. germ cells of fowls, (39) 177.
Albinism— in corn, (33) 131.	paunch movements in ruminants, (27) 68.
in inbreeding, (28) 531.	permeability of plant tissues, (28) 732, psychological processes, (36) 763.
in man, monograph, (31) 467.	seed germination, (26) 131.
inheritance in cereals, (31) 329.	soils, (37) 519.

	4.7.7
Alcohol—Continued.	Alder—
effect on—continued. solution of casein by sodium hydroxid, (36)	analyses, (38) 309. analyses and nutritive value, (35) 164.
108.	blight aphis, life history, (27) 257
estimation in spirituous liquois, (10) 15.	flea-beetle, biology, (39) (14. flea-beetle, notes, (29) 252, 761; (40) 357. leaf disease, new, notes, (27) 548.
ethyl, see Ethyl alcohol.	leaf disease, notes, (29) 252, 761; (40) 357.
extraction from garbage, (37) 590. extraction from plants, (27) 107.	red, as forest tree, (38) 349.
forcing plants with, (28) 834.	red, notes, (27) 816.
formation by sprouting wheat, (30) 522.	red, nutrient absorption in, (32) 748.
from—	11151, notes, (26) 852.
cactus, (33) 234 corn and potatoes, comparison, (28) 715.	seed, agglutinating properties, (31) 774. wood disease, (40) 841.
grapefruit, (39) 203.	Aldopentoses, crystallography and optical proper
horse chestnuts and acorns, (38) 411.	1108, (40) 202.
millet, (32) 117.	Aldoses
molasses, (38) 508. sulphite liquor waste, (35) 14 in corn slage, (28) 109. homemade root beer, (35) 557.	and ketoses, separation, (28) 504.
in corn silage, (28) 109.	determination, (31) 11. Ale, composition, (36) 864.
homemade root beer, (35) 557.	Alebra albostricila, notes, (34) 752.
silage, (28) 608. soils, (32) 718. industry in Germany, (29) 209; (32) 315, 613. industry in Philippines, (29) 118; (30) 16.	Alectra arachidis, notes (29) 347.
industry in Germany. (29) 209: (32) 315, 613.	Aleurhogas n.subg., description, (39) 663. Aleochara bilineata, life history, (33) 861, 862.
industry in Philippines, (29) 118; (30) 16.	Aleurites —
ingestion as protection against cold, (35) 474. injurious effect on plant cells, (34) 333.	fordii, culture in United States, (30) 536.
injurious effect on plant cens, (34) 333.	fordii, notes, (28) 843. moluccana, analyses, (31) 631.
lamps, tests, (27) 388.	triloba nuts, analyses, (29) 811.
manufacture— and use in Australia, (38) 714.	Aleurobius farinae—
from agaves, (26) 415.	notes, (40) 855.
from agaves, (26) 415. helianthus tubers, (27) 616.	notes, (40) 855. studies, (39) 664. Aleurocanthus—
nipa palm, (29) 414.	n.spp., descriptions, (35) 552.
mps pain, (28) 412. raw materials, (38) 317. sugar beets, (28) 213, 512, 809. vine shoots, (28) 613. zepupe, (28) 415. metabolism, rapidity of, 784. methods of analysis, (27) 200; (31) 806.	woglumi
vine shoots, (26) 613.	in Cuba, (38) 158.
zapupe, (26) 415.	notes, (37) 462; (38) 158, 459, 557.
metabolism, rapidity of, 764.	in Cuba, (38) 158. notes, (37) 462; (38) 158, 459, 557. remedies, (36) 457. studies, (39) 864
	Aleurodicus
microbiology of, (26) 372.	cardini n.sp., description, (27) 455. destructor, notes, (27) 455.
oxidation by seedlings, (35) 634.	destructor, notes, (27) 455. Aleurothrixus—
microbiology of, (28) 372. oxidation by seedlings, (35) 634. physiological value, (29) 665. power, crops for production, (40) 524.	howardi
production by yeast, (40) 326.	in Florida, (40) 856. in Florida, (40) 856. notes, (27) 255; (31) 751; (37) 659. studies, (29) 251; (33) 59. porteri n.sp., description, (35) 552.
production by yeast, (40) 328. production by yeast, treasite, (29) 714. psychological effects, (34) 663. recovery from potash determination, (40) 806.	notes, (27) 255; (31) 751; (37) 659.
psychological effects, (34) 663.	Studies, (29) 251; (83) 59.
relation to neuritis in fowls, (28) 765.	Aleurotithius timberlakei n.g. and n.sp., description
solutions—	(31) 755.
effect on germination of seeds, (27) 330.	Alexin, effect on protein metabolism, (30) 478.
effect on germination of seeds, (21) 330. refractive indexes, (27) 499. sterilization of soils by, (32) 816. substituting for sucrose in fixed diet, (36) 364. test for milk, (33) 112, 113. toxicity, (28) 661. trichlorotertlarybutyl, determination, (39) 207. use in plant respiration, (28) 428. use in the Tropics, (30) 260. value in the diet, (29) 664.	Aleyrodes—
substituting for sucrose in fixed diet. (36) 364.	atriplex n.sp., description, (26) 859. citri, see White fly, citrus.
test for milk, (33) 112, 113.	horridus, notes, (30) 657.
toxicity, (28) 661.	horridus, notes, (30) 657. howardi, see Alcurothrixus howardi.
use in plant respiration (28) 428	mori, see Tetralourodes mori
use in the Tropics, (30) 260.	olivinus, see Tetralourodes olivinus.
value in the diet, (29) 664.	packardi, notes, (33) 58. spp., notes, (20) 348; (27) 455; (34) 60. spp., remedies, (27) 357.
Donone-	spp., remedies, (27) 357.
effects in diabetes and states of depression,	tabaci, notes, (28) 654. trachoides n.sp., description, (27) 455.
(40) 364.	vaporariorum, see White fly, greenhouse.
origin of methyl alcohol in, (40) 204.	Aleyrodidae —
fermentation - see also Fermentation.	classification, (29) 54; (31) 755; (36) 755.
chemistry of, (34) 711.	fungus parasites of, (28) 60. of British Guiana, (36) 252.
in seeds, (27) 220. specimens, keeping, (36) 252.	Aleyrodids, remedies, (38) 58.
Alcoholized fowls and eggs, studies, (40) 470.	Alfalfa-
.lcohols—	nnalyses, (26) 469, 770; (28) 463, 464, 669; (31) 524
determination, (40) 804. determination in silage, (40) 413. polyatomic, as sources of carbon for lower fungi,	(32) 171; (34) 169, 467, 667; (35) 562; (37) 767. anatomy, (31) 330. and corn for fattening lambs, (26) 73.
polyatomic, as sources of earbon for lower function	and corn for fattening lambs, (26) 73.
(31) 13,	and sweet clover silage, chemistry, (40) 10.
polyatomic, as sources of carbon for molds, (30)	Arabian, notes, (29) 33. as affected by—
226.	bog water, (28) 733.
lcohol-water mixtures, boiling and condensing points, (35) 11.	calcium and magnesium, (35) 726.
ldehyde-	sulphur, (38) 221.
catalase, origin and use, (28) 19.	as cause of sterility in dairy cattle, (34) 269.
catalase, origin and use, (28) 19. detection in ethyl alcohol, (29) 312.	cover crop for orchards, (33) 240, forage crop, (31) 829.
umuentined, from sons, (28) 418.	grazing crop for pigs, (32) 224; (37) 679. green manure, (32) 225; (35) 629; (37) 320; (39)
Idehydes—	green manure, (32) 225; (35) 629; (37) 320; (39)
color test for, (40) 114. effect on protein hydrolysis, (38) 201.	423. hay crop, (89) 333.
formation in wine, (37) 805.	honey-producing plant, (40) 65.
formation in wine, (37) 805. in soils, (32) 718; (40) 22. in soils, harmful effect, (31) 620; (36) 424.	honey-producing plant, (40) 65. orchard crop, (40) 340.
44 SOUS, DETINUI OHOCE, (31) 620; (36) 424,	orchard shade grop. (25) 236.

Alfalfa-Continued.	Alfalfa—Continued.
as pasture and meadow crop, (39) 135.	culture—continued. in southern Mississippi, (28) 231.
sand binder, (29) 427.	Texas. (40) 729.
pasture crop. (39) 130, 474; (40) 371, 470. sand binder, (29) 427. silage crop. (31) 829; (39) 134. soil binder, (28) 230.	the Southwest, (32) 532. Uruguay, (30) 733.
Son improver, (30) 37.	
winter cover crop, (40) 133. bacteria as affected by—	western Nebraska, (35) 439. western Nebraska, (35) 439. Wisconsin, (28) 42; (34) 431; (37) 440. Wyoming, (37) 334. on alkali soil, (38) 118. on Yuma reclamation project, (29) 226. under dry farming, (26) 828; (30) 435; (31) 429; (33) 632; (34) 734; (36) 528, 529. under irrigation, (34) 528. cut at different dates, shrinkage, (33) 430.
nitrates, (39) 338.	Wyoming, (37) 334.
reaction, (39) 26, 722. bacterial—	on Yuma reclamation project, (29) 226.
blight in Utah, (31) 642. disease, investigations, (26) 646.	under dry farming, (26) 828; (30) 435; (31)
Denavior in acid sous, (37) 422.	under irrigation, (34) 528.
blue, germination as affected by fertilizers, (29) 327.	cut at different dates, shrinkage, (33) 430. cutting experiments, (28) 432. cutworms affecting, (29) 188; (36) 53. decomposition in soil, (40) 214.
booklet, (31) 831.	cutworms affecting, (29) 158; (36) 53.
bread, analyses, (26) 660. breeding experiments, (26) 633, 734; (27) 528; (28)	01980988 OL (32) DUZ.
breading experiments, (26) 633, 734; (27) 528; (28) 42; (32) 532; (33) 31; (34) 34; (37) 827; (39) 126, 635; (40) 735.	digestibility, (39) 171.
breeding, physiological correlations and climatic	diseases— descriptions, (30) 351.
reactions in, (31) 629. butterflies affecting, (26) 655.	descriptions, (30) 351. notes, (28) 52; (29) 243; (31) 841; (32) 532, 543; (35) 245; (36) 543; (39) 149, 532.
caterpillar, studies, (32) 57.	of Western Australia, (33) 846.
chart for schools, (31) 693. chopped, analyses, (29) 570.	studies, (33) 544; (35) 544.
chopped, feeding value, (39) 783.	studies, (33) 544; (35) 544. ditcher, description, (32) 888. dodder in Colorado, (40) 536.
coloring matters in, (28) 110. composition, (32) 533.	dodder, remedies, (29) 561. downy mildew, description, (26) 846.
composition as affected by—	drought resistance in, (26) 632; (30) 526; (33)
irrigation, (28) 332. maturity and curing methods, (36) 201.	 effect of frequent cutting on water requirement,
composition at different stages, (39) 836.	(33) 230.
conserving with straw, (39) 269. continuous culture, (40) 419.	effect on— fetal development, (33) 266.
cooperative experiments, (27) 835; (28) 334, 737; (29) 331.	milk and butter, (34) 570.
cost of production, (26) 830; (30) 333; (32) 527; (34) 137; (37) 231.	nitrification in soils, (29) 317. nitrogen and carbon content of soils, (40)
(34) 187; (37) 231. crane fly affecting, (28) 160.	719.
creatinin in, (26) 419.	nitrogen content of soils, (40) 319, 722. soil bacteria, (37) 421.
crown gall— notes, (30) 348; (33) 742; (34) 241; (35) 245;	soil bacteria, (37) 421. soil fertility, (29) 633.
notes, (30) 348; (33) 742; (34) 241; (35) 245; (36) 747; (40) 844. studies, (28) 150.	soil moisture, (29) 634; (38) 418. succeeding crops, (32) 223; (39) 127, 130, 436; (40) 331, 430, 432. yield of sugar beets, (39) 137.
crown rot, notes; (28) 544. crown wart, studies; (36) 543. culture, (26) 40, 633, 734; (27) 33, 235, 299, 337; (28) 634; (29) 32, 633; (30) 36, 37, 335; (31) 37, 227, 265, 330, 735, 831; (32) 132, 527, 828; (33) 97, 220, 635; (34) 35, 138, 139, 528, 630; (35) 33; (38) 434; (39) 834.	436; (40) 331, 430, 432.
crown wart, studies, (36) 543.	ensuing with corn, (30) 70.
(28) 634; (29) 32, 633; (30) 36, 37, 335; (31) 37,	enzyms in, (32) 410. feeding value, (34) 867: (40) 370.
97, 230, 635; (34) 35, 138, 139, 528, 630; (35) 33;	feeds, analyses, (29) 467; (30) 671.
(38) 434; (39) 834.	enzyms in, (32) 410. feeding value, (34) 867; (40) 370. feeds, analyses, (29) 467; (30) 671. fertilizer experiments, (26) 422, 631; (27) 32, 233, 321; (28) 325, 737; (29) 737; (30) 134, 230, 335, 733, 820, 829; (31) 37, 133, 228, 421, 424, 735; (32) 133; (33) 35, 635; (34) 138; (35) 520; (36) 121, 826, 829; (37) 33, 133, 215, 536; (38) 131, 218, 431, 630; (39) 427, 436, 737, 816; (40) 32, 319, 624, 735. flour, studies, (40) 762.
culture— and history, (35) 830.	733, 820, 829; (31) 37, 133, 228, 421, 424, 735;
experiments, (26) 38, 422, 434, 830; (27) 31,	121, 626, 829; (37) 33, 133, 215, 535; (38) 131,
220, 631, 735, 736; (30) 133, 134, 229, 632;	218, 431, 630; (39) 427, 436, 737, 816; (40) 82, 319, 624, 735.
(31) 828; (32) 36, 132, 133, 430, 431, 526, 528, 529, 530, 730; (33) 229, 634, 828, 830;	flour, studies, (40) 762.
(34) 34, 227, 228, 229; (35) 228, 337; (36) 32,	food value as affected by rapid curing, (32) 502. for irrigated lands of Colorado, (26) 734.
(38) 132, 133, 230, 334, 631, 632, 634, 827,	for pigs, (31) 568; (32) 569; (36) 370, 767. for sheep, (29) 572.
100 (39) 124, 126, 128, 130, 131, 227, 234, 425, 426, 427, 520, 725, 727, 524, 525,	Fusarium wilt, notes, (39) 548. gall midge, notes, (27) 161.
culture— and history, (35) 830. experiments, (26) 38, 422, 434, 830; (27) 31, 430, 431, 735; (28) 431, 532, 734; (29) 225, 220, 631, 735, 736; (30) 133, 134, 229, 632; (31) 828; (32) 36, 132, 133, 430, 431, 526, 528, 529, 530, 730; (33) 229, 634, 828, 830; (34) 34, 227, 228, 229; (35) 228, 337; (36) 32, 131, 132, 332, 735; (37) 30, 226, 227, 535, 729; (38) 132, 133, 230, 334, 631, 632, 634, 827, 633, 435, 436, 437, 530, 736, 737, 834, 835; (40) 32, 328, 430, 624, 735. experiments in Canada, (40) 228. handbook, (40) 526.	
experiments in Canada, (40) 228. handbook, (40) 528.	germination— as affected by fertilizers, (29) 327, of hard seeds, (27) 841.
in Alabama and Mississippi, (27) 33.	of hard seeds, (27) 841. studies, (32) 231.
Alberta (27) 533. Alberta and Saskatchewan, (32) 828.	graphic summary of seasonal work, (39) 495.
apple orchards, (38) 443. eastern United States, (36) 95.	grasshoppers affecting, (32) 553. grasshoppers, notes, (35) 657.
illinois, (30) 435.	green-
Imperial Valley, (38) 184. India, (39) 230.	analyses, (29) 467.
Iowa, (36) 635; (38) 529.	clover worm on, (39) 865. effect on taste of milk, (39) 281.
Kansas, (37) 439. Michigan, (28) 830.	fertilizing value, (34) 219. manure for, (36) 133.
Michigan, (28) 830, New England, (33) 526; (36) 335. New Jersey, (40) 137. New Mexico, (40) 18. North Carolina, (31) 132.	growth and nitrogen-fixing power on acid soils
New Mexico, (40) 18.	(36) 514. growth as affected by—
North Carolina, (31) 132. Ohio, (26) 131, 331	alkali, (34) 125; (36) 118.
Ohio, (26) 131, 331. Porto Rico, (29) 631. Rhodesia, (27) 32, 637. rows, (34) 735.	fertilizer saits, (29) 379. phosphates, (37) 828. sulphur, (32) 724. hardiness in, (28) 737; (35) 229. hardy, notes, (28) 194.
mnodesia, (21) 32, 637. rows, (34) 735.	phosphates, (37) 828. sulphur, (32) 724.
Sand Hills of Nebraska, (35) 827.	hardiness in, (28) 737; (35) 229.
Scotland, (26) 535.	mardy, notes, (28) 194.

Alfalfa-Continued.	Alfalfa-Continued.
harvesting—	leaf spot disease—continued.
harvesting— and shrinkage, (36) 132.	studies, (36) 450.
at different stages, (36) 171. with sheep, (38) 68.	treatment, (30) 538. leaf weevil—
harr	bird and other vertebrate enemies of, (31)
amylolytic activity, (32) 503. analyses, (26) 369, 665; (27) 170; (28) 265; (29) 370; (31) 437; (33) 469, 568, 701; (34) 164, 469; (38) 376.	655. notes, (31) 655.
(29) 370; (31) 437; (33) 469, 568, 761; (34)	parasites of, (31) 61.
164, 469; (38) 376.	relation to Pseudomonas medicaginis, (31) 642.
analyses and feeding value, (30) 733. and corn for lumbs, (31) 867.	lime and phosphorus content, (26) 873.
and silage for beet production, (33) 373. and soy beans for milk production, (32) 265.	liming experiments, (28) 724; (35) 229; (39) 336, 435, 737, 738; (40) 126, 134, 322, 328.
artificial curing, (28) 830.	looper—
as source of nitrogen in rations, (25) 264.	notes, (28) 253; (32) 651; (34) 255.
ash analyses, (29) 861. box for feeding, (27) 899.	studies, (28) 253; (39) 659. manuring experiments, (40) 430, 432.
caps for, (39) 687.	mendow culture experiments. (40) 136.
chloroform extract of, (31) 71. commercial grades, (32) 533.	meal, analyses, (26) 72, 165, 362, 468, 568, 665, 714, 768, 873; (27) 170, 469, 570, 670, 774, 872; (28) 265, 364, 464, 572; (29) 270, 367, 467, 570, 670, 760, 760, 760, 760, 760, 760, 7
composition, (27) 668.	(28) 265, 364, 464, 572; (29) 270, 367, 467, 570,
composition as affected by irrigation, (29)	666, 769; (30) 67, 68, 169, 565, 868; (31) 73, 168,
139. digestibility, (27) 669; (28) 363; (31) 863;	269, 203, 327, 203, 203, 203, 203, 203, 203, 203, 203
(36) 470; (37) 168, (39) 475.	467, 469, 566, 665, 767; (35) 373, 374, 562, 867;
effect on melting point of milk fat, (37) 73. effect on milk flow. (34) 570.	67, 368, 369, 665; (39) 167, 270, 370; (40) 72, 470.
energy value, (33) 72; (40) 365.	011, 000.
effect on milk flow, (34) 570. energy value, (33) 72; (40) 365. feeding value, (39) 73, 782; (40) 75. for calves, (29) 771.	meal, fertilizing value, (34) 129. moisture content and shrinkage, (34) 828.
dairy cattle, (30) 72; (32) 367. horses, (29) 370.	nectar secretion, (37) 633. nitrogen and mineral constituents, (29) 32.
horses, (29) 370.	nitrogen and mineral consultrents, (29) 32.
lambs, (29) 272, 870, 871; (32) 463. milk production, (33) 382; (40) 573.	nitrogen assimilation, (39) 738. nodule bacteria of, (32) 33, 327.
pigs, (33) 670; (35) 478. rango steers, (32) 467. work horses, (30) 171; (38) 676. grades of, (34) 528.	northern v. commercial seed, (33) 226. nurse crop for, (29) 226, 425; (37) 226. on alkali soli, (39) 215; (40) 32. on roclaimed swamp, (40) 231.
work horses, (36) 171; (38) 676.	on alkali soil, (39) 215; (40) 32.
grades of, (34) 528.	on reclaimed swamp, (40) 231. pasture for—
green, brown, and black, (40) 369. ground, feeding value, (39) 778.	pigs, (31) 470; (33) 379, 871; (34) 173; (36) 170,
ground, feeding value, (39) 778, handling, (29) 633; (37) 599, isolation of stachydrin from, (39) 610.	171; (38) 372; (39) 173, 272, 372, 375, 478,
making and baling. (39) 231.	pasture 10—
making and baling, (39) 231. manurial value, (40) 127.	pasturing— experiments, (33) 230, 379, 429, 871; (38) 67.
mineral constituents, digestibility, (40) 769.	in Arizona, (34) 169.
nutritivo value, (27) 659.	011, (40) 430,
nitrification, (31) 724. nutritive value, (27) 659. stewed, (39) 73. v. alfalia silage for dairy cows, (31) 77. v. corn for cows, (32) 74, 843, 871. v. cowpea hay for cows, (29) 876. v. green alfalia for cows, (34) 180.	Phytonomus variabilis affecting, (26) 151.
v. corn for cows, (32) 74, 863, 871.	by bees, (39) 661; (40) 264, 760. experiments, (37) 785.
v. cowpea may for cows, (20) 876.	studies, (31) 133; (37) 30.
v. out straw for steers, (36) 269. histological identification, (30) 631.	proliferation in, (28) 829.
hopper, three-cornered, notes, (35) 657.	Pseudopeziza leaf spots, (37), 751. rate of seeding tests, (27) 335.
hopper, three-cornered, studies, (32) 652.	residues, nitrogen content, (28) 217.
hybrid origin, (38) 332. hybridization, (31) 831	development as affected by dipping, (36)
hybridization, (31) 831. hybridization, field method, (33) 338.	832.
hybrids, machine transplanted, (39) 337. improvement, (32) 630.	diseases, studies, (38) 646. rot, notes, (36) 846.
in dry-farm rotations, (39) 131. in grass mixtures, (37) 735.	rot, treatment, (39) 8n2.
in grass mixtures, (37) 735. ineculation, (34) 528; (36) 197; (30) 336, 338;	stock development in, (34) 735. system, (37) 827.
(40) 398	rotation experiments, (33) 429, 829; (38) 129; (40)
inoculation experiments, (20) 535; (27) 335; (28) 426, 519; (29) 332; (31) 735; (32) 433; (33) 633; (35) 336; (30) 335; (38) 134. insects affecting, (27) 155; (31) 648; (32) 555; (31) 162; (39) 358, 359, 528, 322. irrigation, (28) 484; (31) 328; (34) 282.	331. rust, description and treatment, (27) 445.
(35) 336; (36) 335; (38) 134.	sampling device for, (37) 711.
insects affecting, (27) 155; (31) 648; (32) 532;	saponin, studies, (40) 607. Selerotium disease, notes, (29), 845; (39) 753.
irrigation, (28) 484; (31) 328; (34) 282.	***************************************
irrigation—	analyses, (26) 739; (30) 733. as affected by sulphuric acid, (27) 524. chalcid fly in, (32) 454; (35) 551. chalcid fly, remedies, (32) 549. clover seed chalcid parasites in, (40) 862.
827; (29) 32, 138, 139, 226; (30) 34, 886;	chalcid fly in, (32) 454; (35) 551.
(31) 829; (32) 186, 430; (33) 229, 390, 634,	chaldid lly, remedies, (32) 549.
84, 435, 639; (38) 184, 434, 633; (39) 132,	decelimitation of origin' (91) car-
experiments, (27) 531; (28) 130, 133, 135, 827; (29) 32, 138, 139, 226; (30) 34, 886; (31) 829; (32) 186, 430; (33) 229, 390, 634, 826, 830, 884; (34) 785; (36) 886; (37) 30, 32, 84, 435, 639; (38) 184, 434, 633; (39) 132, 338; (40) 431. in Sacramento Valley, (37) 586.	factors affecting setting, (26) 633. seed, germination—
	and purity tests, (29) 741.
ketones from, (26) 802. laccase, studies, (34) 225. land plaster for, (40) 730.	and purity tests, (29) 741. energy of, (29) 538. tests, (26) 44; (27) 338; (31) 43; (34) 143.
1681	seed-
blotch, yellow, studies, (39) 354.	high v. low grade. (26) 838.
blotch, yellow, studies, (39) 354. hopper, notes, (29) 252. protein, nutritive value, (39) 666.	impermeable, viability, (35) 740. importations in Argentina, (37) 823
leaf spot diseaso-	imported, tests, (26) 634,
new, in America, (33) 848. notes, (31) 746; (32) 443; (36) 735.	insects affecting, (27) 338. inspection, (31) 438.
	• • •

```
Alfalfa—Continued.
verioty tests, (39) 128, 130, 131, 227, 228, 433, 436, 437, 530, 736, 738; (40) 228, 430, 433, 733, 735, 823.
vegetative regeneration, (33) 528.
vitality of, (20) 734.
vitamin content, (40) 564.
water requirements, (20) 632; (29) 826; (32) 127, 226; (33) 229; (38) 434.
webworn—
Alfalfa-Continued
                  seed—continued.
inspection in Maryland, (36) 442.
                                      northern-grown, (39) 337.
oil, chemistry of, (34) 710.
persistence and vitality of bacteria on, (26)
               820
productou (2i) (42; (27) 335, 836; (30) 35;
(31) 430; (35) 131, 735.
production in Europe. (26) 436
production, relation to moisture. (34) 824.
purity tests, (27) 733.
standards in Canada, (26) 839.
studies, (40) 39.
tests, (27) 142.
varieties, (39) 232.
vitality, (27) 740.
yields, (29) 330.
seeding—
depths, (40) 227.
                                                                                                                                                                                                                                                                                                                           control, (39) 865.
notes, (28) 653.
studies, (35) 158.
                                                                                                                                                                                                                                                                                                                          control in Auzona, (35) 656; (37) 846.
control in Western United States, (38) 163.
notes, (32) 156; (35) 554; (37) 255; (40) 161,
853...
                                                                                                                                                                                                                                                                                                         weevil-
                                                                                                                                                                                                                                                                                                      853.
oviposition in relation to temperature, (38)
257.
popular account, (39) 264.
remedies, (29) 259.
studies, (27) 560; (37) 262.
white flowered selection, (38) 337.
white spot, notes, (36) 846; (36) 47; (40) 50.
wilt disease, description, (36) 47.
winterkilling, (27) 235; (28) 734; (35) 530; (36)
828.
                                    ding—depths, (40) 227.
experiments, (29) 32, 221, 330, 531; (31) 735)
(32) 430, 531; (33) 830; (34) 229; (35) 336)
(37) 29, 535, 639; (39) 436, 437, 737, 834; (40)
332, 430, 433.
on ranges, (30) 35.
                  seeds-
                seeds—
enzyms in, (28) 710.
hard, germination tests, (30) 738.
selection experiments, (36) 735; (39) 126.
self-sterlity, (38) 426.
Semipalatinsk, (39) 338.
serpentine leaf miner affecting, (29) 857.
shredded, analyses, (33) 71.
sickness, notes, (36) 541.
                                                                                                                                                                                                                                                                                                                  828.
                                                                                                                                                                                                                                                                                                         yellow
                                                                                                                                                                                                                                                                                                                            composition, (33) 832.
leaf blotch disease, (36) 248.
selection and hybridization, (33) 831.
                                                                                                                                                                                                                                                                                                      selection and hyprinization, (33) 831. studies, (36) 334. yield as affected by—
number of cuttings, (40) 522. origin of seed, (28) 432. slope of field, (80) 230. yield in relation to precipitation, (37) 717. yields, (27) 736; (29) 631; (30) 134; (39) 337; (40) 31, 735. yields—

Desig for (31) 339
               siteless, indes (36) 541.

sitiage—
acidity, (39) 310, 878.
chemical studies, (37) 709.
composition, (32) 769.
feeding value, (39) 73.
for steers, (32) 769.
from, (38) 665.
nutritive value, (26) 380.
preservation and use, (37) 671.
studies, (40) 10, 503.
soil moisture removal by, (40) 430.
sowing with and without a nurse crop, (26) 434.
spacing tests, (39) 229.
Spanish, culture and identification, (36) 36.
steaming and ensiling (31) 467.
stem rot, studies, (34) 541; (38) 850.
stems and leaves, analyses, (26) 714.
strains, tests, (39) 738.
straw, ground, analyses, (39) 370.
studies, (26) 632.
                   silage
                                                                                                                                                                                                                                                                                    basis for, (31) 329.
determination, (37) 439.
error in determination, (32) 38.
Alfalfone, occurrence in alfalfa, (26) 802.
                                                                                                                                                                                                                                                                                      Alfilaria
                                                                                                                                                                                                                                                                                                      as green manure, (39) 31
                                                                                                                                                                                                                                                                                                      seed, collection and sowing, (29) 533.
seed, impermeable, viability, (35) 740.
seeding on ranges, (30) 35.
                                                                                                                                                                                                                                                                                    Algae
                                                                                                                                                                                                                                                                                                      analyses, (26) 324.
                                                                                                                                                                                                                                                                                                     analyses, (26) 324.
and bacteria, symbiosis, (28) 31.
brown, color change in, (31) 626.
carbon nutrition of, (31) 426.
chondriosomes in, (37) 635.
conduction of lithium, (30) 122.
control in canals, (40) 188.
culture in agar, (28) 727.
destruction in drinking water, (36) 183.
development and nutritional physiology, (40) 130.
               straw, ground, analyses, (39) 370.
studies, (26) 632.
studies, (26) 632.
successive euttings, feeding value, (39) 166.
successive euttings, protein content, (39) 737.
sulphur in, (31) 517.
tea, analyses, (34) 469.
thrips affecting, (29) 252.
time-of-harvesting test, (33) 429.
toxic effect on pigs, (38) 559.
transpiration in, (34) 522; (36) 226.
transpiration rate, (37) 429.
transpiration; (29) 331; (35) 830.
treatise, (28) 737; (32) 828.
treatment with sulphuric acid before planting, (33) 526.
                                                                                                                                                                                                                                                                                                      grass-green, nitrogen fixation by, (30) 727; (31)
                                                                                                                                                                                                                                                                                                      grass-green, nitrogen fixation by, (30) 727; (31) 827.
heat development of, (31) 323.
in soils, (28) 31.
lower, assimilation of nitrogen and phosphorus by, (28) 35.
              (33) 526.

tree, culture experiments, (30) 632.

Turkestan—

sa hog pasture, (40) 471.

commercial seed, (32) 38.

culture experiments, (30) 526.

culture in Hungary, (30) 36; (32) 133.

v. Hungarian, (31) 629.

utilizing waste land for, (40) 137.

v. clover for milch cows, (39) 578.

v. clover for milch cows, (39) 578.

v. clover in rotation, (29)634.

v. red clover, (40) 232.

varieties, (26) 233, 534, 631, 632, 733; (27) 32, 235, 335, 431, 831, 833, (32) 533, 828; (29) 137, 138, 222, 426, 830; (30) 33, 434, 626; (31) 133, 829, 831; (32) 36, 431, 623, 529, 530, 730; (33) 31, 33, 632, 228, (36) 427, 630; (35) 31, 238, 229, 627, 528, 530, 826, 830; (36) 36, 133, 435, 546, 828; (37) 229, 230, 231, 331, 435, 531; (38) 32, 132, 231, 433, 632, 634, 827, 838, 829.

varieties—

for Alaska, (39) 125, 126.
                             (33) 526.
                                                                                                                                                                                                                                                                                                    marine—
bibliography, (27) 22,
chemical analyses, (40) 725.
distribution, (34) 32.
enzym action in, (35) 25.
gas exchange in, (35) 431.
imbibitional swelling, (39) 731.
osmotic pressure in, (39) 223.
oxidases and catalase in, (31) 626
sources of nitrogen for, (31) 828.
used in Japanese agar-agar, chemical star-
dies, (40) 110.
new races and species, (40) 130.
red, diastase in, (29) 220; (32) 503.
relation to gases in water, (28) 821.
wood-penetrating, notes, (26) 853.
proba—
                                                                                                                                                                                                                                                                                                      marine
                                                                                                                                                                                                                                                                                   Algaroba-
                                                                                                                                                                                                                                                                                                    meal, use, (32) 730.
notes, (26) 362.
                                    for Alaska, (39) 125, 126,
for Iowa, (39) 232; (40) 328,
new, (28) 533; (39) 337.
                                                                                                                                                                                                                                                                                   tree, culture experiments, (36) 340.
Algic acids, studies, (40) 804.
```

Algin, composition, (33) 108.	Alkali-Continued.
Algin, description, (29) 566. Algocyan, notes, (36) 202.	soils— gypsum for, (40) 51.
Alimentary intoxications—	improvement, (26) 223, 224; (28) 32, 814; (31)
notes, (34) 575. of horses, (26) 887.	317; (33) 416. irrigation, (33) 419.
Aliphatic acids, saturated, cleavage, (31) 465.	methods of analysis, (32) 296.
Alisma plantago seeds, delayed germination ir, (31) 824.	of Egypt, (30) 21. India, (28) 736.
Alizarin oil, insecticidal value, (34) 359.	India, (28) 736. Iowa, studies, (39) 720, 813.
Alkali— accumulation, relation to irrigation, (33) 419.	Nevada, analyses, (31) 215. Niger River basin, analyses, (26) 318.
albumin, production of anaphylaxis by, (26) :.	Ohio, (35) 510. San Luis Vulley, (38) 324, 386.
and salt industry, treatise, (36) 428. brush, poison, analyses, (39) 184.	United Provinces in India, (33) 419.
bush ash, analyses, (36) 429.	origin, (37) 809
carbonated and caustic, titration of mixture, (39) 714.	plants tolerant to, (40) 221. reclamation, (26) 590; (31) 889; (32) 36; (33) 88, 324, 392, 419, 421, 430, 814, 815; (35) 516;
carbonates, determination, (26) 406.	88, 324, 392, 419, 421, 430, 814, 815; (35) 516;
content of soils as related to crop growth, (40) 719.	(37) 281; (38) 118, 815. reclamation with Bermuda grass, (29) 330.
crusts of United States, (27) 22.	studies, (27) 321; (28) 319, 515, 516; (36) 118. treatment, (39) 215; (40) 32.
determination in— arsenical dip fluid, (26) 411.	tolerance of—
chlorinated solutions, (39) 506. hypochlorite solutions, (40) 309.	encalypis for, (26) 642. wheat seedlings, studies, (27) 500; (29) 322.
silicates, (30) 11.	water—
soils, (32) 504; (33) 610; (34) 609. distribution by irrigation, (40) 719.	effect on dairy cows, (30) 775. effect on dairy products, (27) 282.
effect on-	notes, (28) 27.
cement, (27) 89; (28) 86; (32) 787; (37) 788. concrete, (32) 381.	notes, (28) 27. still for, (28) 796. Alkalimetry, indicator for, (36) 13.
concrete drain tile, (34) 87.	Alkaline—
creatin elimination, (36) 161. denaturation of proteins, (29) 501.	carbonates, determination, (40) 112. earth metals, separation, (34) 409.
growth of rice, (34) 31.	earth salts, effect on plants, (28) 527. earths, effect on Lupinus albus, (31) 325.
milk, (28) 18. nitric-nitrogen accumulation in soils, (40)	solutions-
722,	dilute, determining alkalinity, (40) 610. effect on invert sugar, (27) 812.
nitrogen-assimilating bacteria, (39) 722. permeability, (34) 429.	toxicity toward plants, (35) 28.
permeability, (34) 429. perovidase, (29) 202. proteins, (38) 803. quality of sugar beets, (28) 43.	Alkalis— destructive action on vitamins, (36) 465.
quality of sugar beets, (28) 43.	determination in rocks, (31) 502.
soil bacteria, (37) 213. specificity of precipitins, (26) 482.	effect on Lupinus albus, (31) 325. effect on malt diastase, (31) 806.
wheat yield, (39) 736.	in Colorado, studies, (39) 323.
formation by enzyms, (30) 111. metal salts, effect on saccharification of starch,	Alkaloid— animal, isolation from milk, (26) 212.
(26) 309.	formation in tobacco, (35) 333.
 origin, (37) 809. production in soils by denitrification, (36) 321. 	Alkaloidal reactions, notes, (27) 208. Alkaloids—
protection of concrete structures from, (29) 386.	biological formation and function, (32) 327.
relation to chlorosis, (28) 623. relation to light precipitation, (27) 816.	cinchona, disinfecting action, (40) 478. detection, (29) 408.
salts— as affected by calcium carbonate, (39) 721.	detection in beverages, (31) 114. detection in water, (34) 410.
combination of chlorin ions in, (33) 623.	distribution in belladonna plant, (31) 201.
determination in soils, (28) 318. salts, effect on—	effect on— germination of seeds, (33) 825.
ammonification, (39) 721.	healthy cattle, (29) 476.
burning quality of tobacco, (39) 34. concrete, (29) 686.	formation in tobacco, (27) 133. identification by optical methods, (39) 415, 506
concrete, (29) 086. crop growth, (36) 118. germination and growth of crops, (34) 125.	in beverages, (31) 358. origin in plants, (27) 228.
growth of rice, (30) 630, 728, 833. nitrification, (38) 322.	plant, synthesis of, (31) 409.
nitrification, (38) 322. plants, (28) 527.	plant, treatise, (29) 503. Senecio, effect on cattle, (27) 79.
soil bacteria, (27) 124; (28) 519, 719.	variation in plant leaves, (30) 44.
alts— in irrigation waters, (39) 792.	Allantoin— assimilation by plants, (26) 32.
soil, antagonistic agents, (39) 619.	determination in urine, (33) 116.
soils, (33) 421. soils of India, (29) 514.	determination in urine, (33) 116. distribution in plants, (30) 129. heat of combustion, (20) 160. occurrence in sugar beets, (28) 810.
studies, (29) 137.	occurrence in sugar beets, (28) 810.
toxicity, soil factors affecting, (40) 315.	output as affected by water ingestion, (27) 168. use against beri-beri, (34) 367.
analyses, (34) 512.	Allergy—
analyses and treatment, (30) 622. as affected by irrigation, (34) 16. bacteriological studies, (26) 646.	notes, (32) 78.
pacteriological studies, (26) 646. black, of San Luis Valley, (38) 324.	parasitic, notes, (38) 689. Alligator pears, see Avocados.
black, of San Luis Valley, (38) 324. drainage, (34) 283; (36) 186, 584; (38) 591.	Alligators as human food, (39) 471.
durability of concrete and draintile in, (39) 86; (40) 386.	Allium— cepa, protein formation in bulbs of, (31) 224.
soils, effect on-	cepa, stomatal movement in, (26) 627.
concrete drainage tile, (34) 584. cotton, (27) 640.	polvánthum, occurrence of arsenic in, (27) 269. sativum, selection experiments, (30) 738; (32)
dry farm crops, (87) 437.	834, winesle eradication (29) 483; (31) 739.

```
Allobracon (Diachasma) pilosipes n.g. and n.sp., notes, (34) 455.
Allocota thyridopterigis, notes, (27) 558.
Allodorus tomoxiae n.sp. description, (33) 749.
Allodous, North American species, (36) 542.
Allognota agromyzina, studies, (37) 764.
                                                                                                                                                                                                                                                Alphitophagus bifasciatus, notes, (37) 567.
Alpine Laboratory on Pikes Peak, (28) 496.
Alsicarpus sp., notes, (30) 230.
Alsophila pometaria, see Cankerworm, fall.
                                                                                                                                                                                                                                                 Altai, hybridizaton experiments, (29) 171.
Alternanthera worm, notes, (28) 854.
          Allograpta-
                                                                                                                                                                                                                                                 Alternaria-
                                                                                                                                                                                                                                                                emaria—
ammonifying power, (32) 29.
brassicae, notes, (27) 848.
brassicae on collards, (37) 48.
camelliae, notes, (37) 550.
                          frocts, parasitic on rose aphis, (31) 250. obliqua, life history, (28) 254. obliqua, notes, (36) 460.
        Allolobophora longa, carbon dioxid exhalation of, (26) 619.
Allorhina—
                                                                                                                                                                                                                                                                  citri -
     Anornina—

mutabilis—
notes, (28) 451; (29) 453; (33) 57.
remedies, (35) 551.
nitide, see June beetle, green.
Allorhogas gallicola n.g. and n.sp., description, (27) 60.
Allotropa—
meridianalis n.g. description,
                                                                                                                                                                                                                                                                                 cerasi, n.var., description, (38) 251.
notes, (27) 350; (29) 248; (35) 749.
on the navel orange, (40) 839.
                                                                                                                                                                                                                                                               on the navel orange, (40) 839. relation to citrus gummosis, (31) 449. crassa n.comb., description, (39) 248. crassa, notes, (38) 451. dianthi, notes, (37) 155. mail, n.sp., description, (31) 150. mail, notes, (33) 544. panax, notes, (27) 446; (29) 549; (30) 649; (34) 245 panax, treatment, (27) 747.
                        meridionalis n.sp. description, (31) 355. thompsoni n.sp., description, (31) 62.
                      assimilation by plants, (26) 32.
nitrification as affected by lime, (38) 119.
                                                                                                                                                                                                                                                            solani—
as affected by cold, (34) 538.
description and treatment, (29) 847; (30) 50.
dissemination by insects, (40) 645.
notes, (28) 649; (29) 646; (30) 48; (35) 547.
on tomatoes, (39) 854.
relation to potato stem lesions, (39) 649.
spore production, (38) 249.
studies, (38) 235, 451.
treatment, (37) 50.
varietal resistance to, (31) 643.
spone in sp., description, (37) 353.
sp. on apple, (32) 751; (38) 453.
sp. on cotton, (40) 346.
sp. on sweet cherries, (36) 452.
sp. on sweet potato, (39) 854; (40) 347.
sp., studies, (30) 846.
sp., temperature relations, (36) 649.
                                                                                                                                                                                                                                                                solani
       Alloxuric bases
                      in grape leaves, (27) 731.
in stachys tubers and citrus leaves, (26) 107.
       Allspice
                        effect on micro-organisms, (35) 557.
      examination, (32) 161.
germicidal effect, (36) 864.
preservative value, (38) 469.
Alluvial lands, underdusinage of, (26) 685.
Allyl alcohol, insecticidal and larvicidal value, (34)
       Allylamins, assimilation by plants, (26) 32.
       Almond-
                   mond—
and peach graft hybrid, description, (29) 83s.
as rootstock, tests, (40) 445.
brunches, development on peach trees, (28) 46.
flowers, polymorphism in, (28) 540.
Gloeosporium disease, notes, (36) 45s.
ground, description, (29) 59.
gummosis, studies, (35) 849.
hulls as feeding stuff, (34) 262.
leaf and twig curl, (36) 647.
mitrogen, biological value, (40) 660.
oil, analyses, (26) 504.
oil, digestibility, (38) 808.
nonds—
                                                                                                                                                                                                                                                           sp., suddes, tol) 846.
sp., temperature relations, (36) 649.
spp., relation to—
apple rot, (33) 348.
citrus gummosis, (29) 247.
Jonathan spot rot, (31) 748.
studies, (39) 30, 248.
                                                                                                                                                                                                                                                             tennis-
                                                                                                                                                                                                                                                            notes, (32) 843.
notes and treatment, (27) 354.
violae, studies, (29) 753.
oil, digestibility, (38) 808.

Almonds—
bitter, hydrocyanic acid content, (28) 477.
crown gall resistance in, (35) 645; (36) 352.
crown gall resistance in (35) 645.
Excascus deformons affecting, (30) 353.
fertilizer experiments, (30) 238.
foral biology, (35) 437.
histological characteristics, (27) 112.
hydrocyanic acid in, (26) 228.
Java, as a food for infants, (29) 566.
microscopic identification, (29) 566.
of Southwestern States, description, (30) 41.
permeability of seed coat, (38) 25.
pollination, (36) 139.
production, (39) 846.
protection against frost, (27) 316, 345.
spraying experiments, (28) 652.
stocks for, (40) 445.
varieties, (37) 143.
varieties grown at Andria, Italy, (31) 238.
Alnarp Agricultural and Dairy Institute, report, (27) 694; (20) 172; (34) 692.
Alnus rogona, notes, (27) 846.
Alnus, root tubercles, (27) 25.
Alocasias corage rots, (35) 750.
Alocasias, culture and analyses, (32) 37.
American, analyses, (32) 166.
                                                                                                                                                                                                                                          Althaea—inheritance of doubleness, (39) 123.
rosea, coloring matter of, (34) 710.
rosea, symbiosis with fungi, (27) 751.
Althaein, studies, (34) 710.
Althae officinalis, nucin-like substances of, (31) 409
Altica—see also Haltica.
ampelophaga, biology and control, (33) 555.
bimarginata, biology, (39) 64.
n.spp., descriptions, (40) 357.
spp., biology, (40) 357.
Alto-cumulus with virgulus, (35) 115.
Alucita sacchari, notes, (38) 465.
Alum—
                                                                                                                                                                                                                                             Althaea
                                                                                                                                                                                                                                                         detection in bread, (27) 504; (30) 809. detection in flour, (27) 504; (38) 412. effect on action of chlorin, (34) 885. in foods, (31) 556. solution, chlorinated, antiseptic value, (40 : 778.
                                                                                                                                                                                                                                                         toxicity, (28) 661; (35) 473. use in baking powder, (26) 584.
                                                                                                                                                                                                                                                        and carbon, fixation of nitrogen by, (29) 417. determination in mineral phosphates, (34) 112. distribution in loam soils, (31) 618. effect on assimilation of phosphoric acid, (27) 722.
                                                                                                                                                                                                                                          Alumina-
                                                                                                                                                                                                                                                         extraction from feldspar, (27) 724; (28) 222; (29)
   American, analyses, (32) 166.
fiber, tests, (31) 526.
transvaalensis, gall on, (31) 752.
Aloin, insecticidal value, (34) 359.
                                                                                                                                                                                                                                                        518. relation to nitrogen fixation, (29) 24.
                                                                                                                                                                                                                                      relation to integrate the Aluminum—
absorption—
and distribution from foods, (27) 288.
from food products, (35) 860.
  Alopecurus
Alopecurus—
pratensis, garmination experiments, (31) 227.
pratensis, yield and composition, (28) 334.
pubescens, culture in New Zealand, (29) 428.
Alpacas, value as domestic animals, (27) 470.
Alpha Zeta Fraternity, annual conclave, (27) 106.
Alphitobius piceus, studies, (37) 356.
                                                                                                                                                                                                                                                         alloys for-
                                                                                                                                                                                                                                                       canteens and cooking utensils, (34) 257, household utensils, (32) 457, and fron, separation, (33) 313, as affected by nitric acid, (35) 802.
```

Aluminum—Continued.	Amaranthus—Continued.
as factor in soil acidity, (37) 799. chlorid, action on cymene, (38) 309.	retroflexus— analyses, (34) 39.
compounds in versetable foods (32) 455	localization of betain in, (27) 203.
concentration in subsoil, (31) 720. cooking vessels, tests, (29) 362, 363. dairy utensils, tests, (35) 189; (36) 571. detection and distribution in plants, (31) 129;	seed, analyses, (39) 502. variation in, (32) 726.
dairy utensils, tests, (35) 189; (36) 571.	sp., use as cereal crop, (39) 532.
detection and distribution in plants, (31) 129; (32) 609.	spinosus, notes, (32) 436. transpiration in, (34) 522.
determination, (36) 203.	Amatissa consorta, notes, (31) 849.
determination in—	Amatungulas, culture in Guam, (30) 41.
biological materials, (35) 802. foods, (29) 809.	Ambari, production in Africa, (40) 238. Amblyomma—
plants, (29) 797.	altiplanum n.sp., description, (38) 468.
digestion by chickens, (30) 873. effect on—	dissimile, studies, (40) 359. flebrigi n.sp., description, (26) 460.
Aspergillus niger, (30) 824.	n.sp., description, (27) 361.
development of corn, (33) 522.	spp., notes, (27) 865.
health, (31) 556. permeability, (34) 34. plant growth, (30) 824. in acid soils, (39) 114. in plants, (38) 409. milk consumer (31) 375	spp., transmission of splenetic fever by, (28) 758. variegatum nocens n.var., description, (26) 460.
plant growth, (30) 824.	variegatum, notes, (34) 851. Amblyspatha ormerodi n.sp., notes, (30) 159. Amblytales putus notes, (20) 54.
in plants. (38) 409.	Amblyteles putus, notes, (36) 54.
min (and, tast, (b), o.t.	Amboceptor action in vitro, (40) 380.
nitrid— ammonia from, (31) 822; (32) 125.	Ambrine, use in severe burns, (38) 885. Ambrosia beetle—
availability of nitrogen in, (35) 427.	injurious to sal. (36) 360.
fixation of atmospheric nitrogen by, (27)	notes, (32) 552. pitted, notes, (33) 252.
325, 624. formation, (29) 822.	Ambrosia—
manufacture, (28) 222.	spp., leaf variation in, (27) 741.
nitrid, manufacture— and use, (29) 319: (35) 428.	trifida, analyses, (34) 39.
and use, (29) 319; (35) 428. from the air, (27) 623. progress in, (29) 730.	Ameba— freezing experiments, (27) 523.
progress 111, (29) 730. Serpek process, (29) 127.	prevalence in soils, (32) 619.
nitrogen, fertilizing value, (31) 821.	studies, (27) 477.
oxid, effect on germination of seeds, (29) 528.	Amebas— parasitic in man, treatise, (26) 375
phosphate as affected by calcium carbonate, (26) 527.	parasitic in man, treatise, (26) 375. pure cultures of, (26) 375.
phosphate, fertilizing value, (26) 428, 622; (31)	Amedic injections, studies, (26) 677.
823; (36) 626. relation to soil acidity, (40) 125.	Amelanchier, inoculation experiments with brown rot fungus, (33) 247.
relation to soil productivity, (30) 518.	Ameloctonus n.sp., notes, (28) 253.
salts, effect on— ferments, (26) 309.	American— Association—
plants, (34) 525.	for Advancement of Agricultural Teach-
solubility of phosphates, (37) 323.	ing, (26) 1, 198; (28) 96; (30) 98; (31) 799 (32) 8; (33) 797; (36) 198; (37) 601, 798; (39)
sugar beets, (31) 233.	701; (40) 398.
fertilizing value, (27) 327.	for Advancement of Science, (30) 198, 700;
toxic effect on rice, (35) 817. toxicity toward clover, (33) 328.	(31) 604, 700; (32) 101; (33) 797; (36) 1; (39) 601.
separation from iron, (38) 10.	for Agricultural Legislation, (39) 198, 702;
silicate rocks of Madagascar and West Africa, (32) 511.	(40) 298, 789. of Agricultural College Editors, (31) 101,
silicates—	199; (33) 496; (34) 796; (39) 199.
extraction of potash from, (26) 426.	of Foonomia Entomologista (22) 202
fertilizing value, (31) 31. sulphate—	of Farmers Institute Workers, (26) 199; (27) 798; (28) 94; (29) 792; (32) 8, 97; (33) 792, 793; (36) 194; (37) 601, 796; (39) 701;
offect on sugar beets, (26) 225; (35) 217.	792, 793; (36) 194; (37) 601, 798; (39) 701;
extraction from feldspar, (28) 223. fertilizing value, (27) 500, 628; (28) 34; (30)	(40) 595. of Instructors and Investigators in Poultry
824; (33) 841.	Husbandry, (27) 400. of Medical Milk Commissions, (36) 572.
in sulphur-phosphate compost, (39) 624, 822. injury to barley, (40) 220.	01 Medical Milk Commissions, (36) 572. Bison Society, report, (30) 469: (33) 470
purification of water by, (35) 388. use in detection of arsenic, (28) 804.	Breeders' Association, report, (28) 570.
use in detection of arsenic, (28) 804. Alundum crucible for determination of phosphoric	Farm Economics Association, (39) 702; (40) 299.
acid, (31) 17.	Bison Society, report, (30) 469; (33) 470. Breeders' Association, report, (28) 570. Farm Economics Association, (39) 702; (40) 299. Farm Management Association, (26) 1, 294; (28) 198; (32) 8, 292, 389; (34) 792; (36) 297; (37) 889; (39) 192, 702; (40) 298. General Lassociation, (30) 398.
Alunite—	(37) 389; (39) 192, 702; (40) 298. Genetic Association, (30) 399.
as source of potash, (27) 500, 628; (31) 321; (33) 819; (34) 328, 821; (36) 17; (39) 727; (40) 128. deposits in Spain, (26) 728. deposits in United States, (26) 526; (31) 322.	Good Roads Congress, (31) 385.
deposits in Spain, (20) 728.	grass, analyses, (27) 68. Leather Chemists' Association, (32) 314.
deposits in United States, (26) 526; (31) 322. fertilizing value, (29) 25.	Meat Packers' Association, report, (29) 770.
Alveolar air—	Meat Packers' Association, report, (29) 770. Meteor Society, (32) 810.
composition during respiratory cycle, (33) 70.	Milking Shorthorn Breeders' Association, (34) 269.
sampling, (34) 369.	National Live Stock Association, (31) 787;
Alypia octomaculata, see Eight-spotted forester. Alysicarpus vaginalis, notes, (26) 362.	(37) 769. Phytopathological Society, war emergency
Amakebe, transmission by ticks, (26) 882.	board, (38) 100. Poultry Association (30) 872.
Amandin, lysin content, (31) 559. Amanita—	Poultry Association (30) 872. Road Builders' Association, (31) 385; (35) 84;
hemolysin and antihemolysin, union, (30) 879.	(36) 90,
phalloides, hemolytic power, (30) 878.	Road Congress, proceedings, (29) 291.
toxicity, (30) 879. Amaranthus—	Society for— Horticultural Science, (37) 2
albus, analyses, (33) 466.	Testing Materials, (28) 884.

```
American-Continued.
                                                                                                                                                                             Amino acids-Continued.
                                                                                                                                                                                        in soils, determination, (34) 811.
stomach and intestines on vegetable diet
               Society of
                          lety 01— (28) 199; (28) 199; (32) 400; (34) 498; (*6) 397; (40) 500. Agronomy, (26) 1, 198, 434; (27) 106; (28) 536, 537; (32) 8, 199; (36) 197; (37) 601, 799; (39) 701; (40) 299.
                                                                                                                                                                                                       (36) 664.
                                                                                                                                                                                       (36) 664. tissue as affected by protein feeding, (40) 562. tissues, determination, (31) 868. urine, determination, (34) 808. wool, (34) 202. isolated, feeding experiments with, (35) 862. metabolism, (39) 873. minimum for maintenance and growth, (35) 268
                            Animal Nutrition, (26) 1, 71, 197; (27) 469;
                          (28) 98.
Animal Production, (30) 99; (32) 8, 98, 566;
(34) 400, 570.
Milling and Baking Technology, (32) 8,
                                                                                                                                                                                       268.
monosubstituted, determination, (35) 315.
minhydrin reaction with, (35) 614, 615.
mutritive value, (26) 71.
place of retention in the body, (27) 169.
precipitating agents for, (27) 713.
resorption in the intestine, (31) 361.
rôle in nutrition and growth, (31) 558; (35) 269
388
 Veterinary Medical Association, (27) 576; (29) 197, 301, 498.
Wood Preservers' Association, (36) 45
Ameromyzobia aphelinoides n.g. and n.sp., description, (36) 556.
Amerosporium—
Amerosportum—
on cowpea, (39) 52.
vanillae, description, (27) 450.
Amersibia prionoxysti n.sp., description, (34) 456.
Ames filter, description, (27) 805.
Ametastegia glabrata—
as an apple pest, (36) 461.
notes, (34) 557; (38) 156, 358.
Ami beans, effect on nitrogen content of soils, (31) 733.
Amianthium muscentarions
                                                                                                                                                                                        synthesis in the tissues, (28) 801.
                                                                                                                                                                            Amino—
aldehyde, significance in intermediary metabolism, (40) 71.
butyric acid in prolin fraction of casein, (30)
                                                                                                                                                                                         compounds, effect on baking qualities of flour.
                                                                                                                                                                            (30) 556.
groups, aliphatic, determination, (29) 108, 408.
nitrogen, see Nitrogen.
Aminopropionic acid, assimilation by plants, (26)
  Amianthium muscaetoxicum, chemical studies,
 (33) 177.
Amicroplus crambivorus n.sp., description, (26) 352.
Amidosulphonic acid, assimilation by plants, (26)
                                                                                                                                                                            Amins
  Amids-
                                                                                                                                                                                       acid, determination and transformation in soils,
(31) 515.
            acid, as sources of ammonia in soils, (29) 723. acid, behavior in soils, (28) 813. ninhydrin reaction with, (35) 615. nutritive value, (26) 71. synthesis by plants, (29) 133.
                                                                                                                                                                                        from organ extracts and body fluids, (34) 777,
                                                                                                                                                                                        in canned sardines, (40) 411
                                                                                                                                                                              Amitus minervae n.sp., description, (26) 149.
 Amino acid-
                                                                                                                                                                            Ammonia-
             ontent of nutrient media, (40) 201.
copper compounds, pharmacology and toxicology, (39) 885.
new, isolation, (40) 611.
nitrogen of soil as affected by heat, (39) 617.
                                                                                                                                                                                      amonia—
absorption—
and distribution in soil, (36) 425.
and nitrification in presence of zeolites (39) 520.
by soils (38) 219, 816.
from the atmosphere, (32) 121.
accumulation—
  Amino acids
            atino acids—
absorption by the body, (29) 567; (38) 366.
aliphatic, determination, (31) 610.
ammonification in soils, (32) 718.
and carbohydrates, reaction between, (36) 412.
and vitamins in the diet. (32) 557.
as affected by bromin, (34) 803.
as sources of ammonia in soils, (29) 723.
behavior in soils, (27) 500; (29) 124.
deficiency in diet, (37) 265.
detection in serum of nephritics and others,
                                                                                                                                                                                                   by soil fungi, (35) 513.
in partially sterilized soils, (30) 226.
in soil, relation to carbon dioxid production,
                                                                                                                                                                                                         (39) 516.
                                                                                                                                                                                       action on superphosphate, (35) 519.
adsorption by soils, (34) 719.
and pitric pitrogen determination in soil solu-
                                                                                                                                                                                      as funigant for mill insects, (34) as source of protein for unimals, (26) 72. assimilation by— plants, (36) 631, 632. seedlings, (27) 633. soil microorganisms, (26) 617. cleavage in peat, (28) 508. compounds— detection in ethyl alcohol, (29) 312. determination in meat and fish products, (29) 798.
                                          ition, (26) 107; (30) 764; (33) 207; (37)
                    506
            effect on-
                        nct on—
amylolytic enzyms, (37) 205.
cobra venom hemolysis, (36) 276.
dogs, (28) 568.
metabolism, (28) 867.
Penicillium glaucum, (27) 528.
residual nitrogen in blood, (29) 768.
uric acid metabolism, (40) 175.
restinn (40) 811
           uric acid metabolism, (40) 175.
extraction, (40) 611.
fate in digestive tract, (30) 464.
formol titration method, (39) 503.
free, utilization, (35) 165.
hydrolytic action on esters, (27) 802; (30) 806;
(31) 710.
                                                                                                                                                                                      (29) 798.
concentration in tissues, (40) 562.
conversion into nitric acid, (32) 423, 424.
conversion into nitric acid and ammonium nitrate, (31) 822.
                                                                                                                                                                                      crude
                                                                                                                                                                                      crude—
fertilizing value, (26) 323.
source, disposition, and use, (28) 626.
studies, (29) 127.
determination, (26) 709; (27) 497; (29) 609; (30)
764; (31) 108; (33) 12, 312, 313; (34) 111, 503; (36)
413; (39) 311.
determination—
            in barley, malt, and beer, determination, (33)
                   613.

blood, determination, (37) 207.
diet, effect on growth, (37) 865.
feeding stuffs, (33) 665, 805; (34) 412; (37) 10.
grape leaves, (27) 731.
growth, (32) 662.
metabolism of fowls, (33) 172.
muscular tissues, (32) 359; (33) 755.
plants, determination, (29) 411.
proteins as an index to nutritive value, (33)
252.
                                                                                                                                                                                                 ermination—
apparatus for, (40) 709.
in carbonated waters, (27) 610.
fertilizers, (31) 313; (37) 412.
foods, (32) 809.
milk, (32) 413.
proteins, (28) 22.
soils, (28) 111; (29) 297; (30) 215; (38) 411;
(34) 314.
urine, (26) 870; (34) 508; (36) 316; (37) 311.
water, (26) 709.
wine, (37) 414, 415.
                   proteins, determination, (26) 22; (33) 867. proteins, percentage, (26) 665. proteolysis, bloods, and urine, determination, (31) 211. soils, (34) 515.
```

Ammonia—Continued.	Ammoniates, fertilizing value, (28) 724.
distillation—	Ammonification
aeration method, (36) 504.	as affected by-
from water, (36) 15.	as affected by— alkali salts, (26) 322; (39) 721. alkali salts and calcium carbonata (30) 721
scrubber for, (40) 806.	alkali salts and calcium carbonate, (39) 721
effect on—	carbon dioxid gas, (39) 618.
oviposition of house fly, (38) 563.	digestion of soils, (28) 121.
peroxidase, (29) 202.	humus-forming materials, (35) 216.
electrical synthesis, (32) 33.	irrigation, (31) 24.
electrotechnical production, (29) 24.	lime-magnesia ratio, (32) 720.
elimination in urine during rest, (35) 863.	liming, (26) 428.
evaporation—	manganese salts, (37) 126.
and transformation in cells, (26) 525.	metallic salts, (31) 120.
from soils, (30) 425.	soil temperatures, (29) 317.
excretion—	sulphur, (40) 128.
as affected by water drinking, (34) 763.	various salts, (39) 323.
during fasting, (30) 764. from soil, (40) 203.	as criterion for measuring soil fertility, (35) 25.
fixation—	in Hawaiian soils, (32) 719.
by cell albumin, (34) 30.	in Nebraska soils, (29) 734. in soils, (26) 721; (31) 317, 420, 818; (33) 808; (35)
in manure, (32) 819.	in soils, (26) 721; (31) 317, 420, 818; (33) 808; (35)
in soils, (37) 318.	729; (36) 513, 724.
formation—	in soils—
and use in killed plants, (28) 327.	and solutions, (30) 218; (31) 420, as affected by arsenic, (30) 423, 424. as affected by sulphur, (31) 125. mothods of studying, (30) 214. nature, (36) 513; (38) 621. studies, (27) 517; (29) 21; (34) 127, 619. inhibition by affects
by mold fungi, (28) 803.	as affected by arsenic, (30) 423, 424.
from cyanamid, (38) 516.	as affected by sulphur, (31) 125.
in higher plants, (28) 328.	methods of studying, (36) 214.
in soil as affected by salts, (39) 218.	nature, (36) 513; (38) 621.
in soils, (27) 721.	studies, (27) 517; (29) 21; (34) 127, 619.
organic nitrogen in, (32) 818.	inhibition by alkali salts, (28) 719.
from aluminum nitrid, (32) 125.	of green manures, (33) 514.
gas as a funtigant, (31) 256.	relation to availability of nitrogenous mate-
gas, effect on animals, (26) 373.	relation to availability of nitrogenous materials, (26) 124.
in canned sardines, (40) 411.	relation to osmotic pressure, (39) 323.
dew, (37) 116.	relation to temperature, (31) 127.
diseased plants, (37) 549.	seasonal variation, (32) 514.
peats and humus soils, (36) 612.	studies, (28) 718, 719; (39) 324.
rain and snow of South Polar region, (26) 515.	studies with soil fungi, (32) 817.
rainwater, (40) 809.	Ammonium—
soil as affected by heat, (39) 617.	acetate, effect on milk production and quality,
stomach and intestines on vegetable diet, (36)	(26) 476.
664.	bicarbonate, fertilizing value, (35) 325, 518.
loss from manured soils, (31) 421.	carbonate—
loss from soils, (27) 21. manufacture, (28) 424, 723; (30) 427, 721.	effect on determination of humus, (31) 111.
manufacture, (28) 424, 723; (30) 427, 721.	effect on germination and growth of crops
mannachre-	(34) 125.
from the air. (29) 822. methods, (27) 520.	fertilizing value, (35) 126, 218, 519.
methods, (27) 520.	utilization by soil fungi, (39) 623.
Serpek method, (31) 518.	chlorid—
metabolism, relation to acid and base-forming	absorption by plants, (35) 435.
metabolism, relation to acid and base-forming elements in foods, (26) 158. methods of analysis, (27) 609.	as source of nitrogen for the body, (30) 65.
montoning of analysis, (21) 000.	
nesslerization in urine, (39) 111.	chlorid, effect on— forric and aluminum hydroxids during igni-
nitrie acid from, (29) 517. origin and significance in portal blood, (26) 870.	tion, (34) 205.
oxidation, (38) 311, 710; (40) 815.	germination of seeds, (29) 328.
oxidation in plants, (34) 627.	plants and microorganisms, (27) 229.
physical and chemical data, (40) 607.	solubility of sulphates, (28) 818.
production in United States, (28) 522.	45.45
protein, determination in water, (33) 501.	chlorid—
retention by soils, (36) 299.	fertilizing value, (35) 126, 218, 325, 427, 518.
salt, effect on nitrogen retention in goats, (32)	hydrolysis of sugar cane by, (30) 811.
261.	citrate—
separation from pyridin, (26) 709.	effect on phosphates, (31) 125.
solutions, effect on saccharin substances, (26)	solubility of calcium phosphates in, (33) 412.
307.	citrate solution—
sources in soils, (20) 723.	apparatus for preparing, (27) 8.
"superphosphate of," (40) 127.	neutral, notes, (28) 19.
synthesis—	neutral, preparation, (26) 709; (27) 110; (28) 312; (29) 203, 718; (31) 410.
at high temperatures, (39) 817.	312; (29) 203, 718; (31) 410.
Haber process, (38) 423.	preparation, (32) 116, 804; (38) 205.
synthetic	compounds—
manufacture and use, (35) 428.	assimilation by streptothrix, (27) 621.
manufacture, progress in, (29) 730. preparation, (28) 222; (29) 127. tablet, reagents for, (26) 608.	effect on baking quality of flour, (30) 555.
preparation, (28) 222; (29) 127.	of fatty acids, properties, (26) 23.
titrotions indicators (20) 505.	stereochemistry and biological action, (35)
titrations, indicators for, (38) 311.	435.
utilization—	humate as a source of nitrogen for plants, (30)
hy nee seedlings (27) 720	721.
by corn plantlets, (27) 634. by pea seedlings, (27) 730. in protein metabolism, (29) 365.	hydroxid, use in extraction of rosin, (34) 412.
Ammoniacal—	magnesium phosphate—
nitrogen, fertilizing value, (39) 726.	from urine, (40) 320,
salts, adding to diet, (34) 762.	precipitation in presence of ammonium
salts, effect on saccharification of starch, (26)	precipitation in presence of ammonium citrate, (32) 804.
309.	nitrate, displacement of potash by, (37) 321.

52831-26†---3

Ammonium—Continued.	Ammonium—Continued.
nitrate, effect on—	sulphate, effect on—continued.
germination of dodder, (27) 28.	marsh plants, (29) 531. milk, (27) 506.
nitrogen-assimilating bacteria, (38) 724. nodule formation, (37) 133.	nitrification, (29) 21.
plants, (28) 225. soils, (26) 216; (28) 520.	nitrogen fixing power of Azotobacter, (29)
soils, (26) 216; (28) 520. solubility of iron phosphate, (37) 324.	nodule formation, (37) 133.
nitrota	Penicillium variable, (29) 529.
fertilizing value, (27) 342; (29) 423; (31) 518, 822; (32) 831; (33) 25; (34) 130, 518; (35) 218, 427, 518; (36) 626, 818; (37) 739; (39)	phosphorite, (29) 624. plants, (27) 634; (28) 225.
822; (32) 831; (33) 25; (34) 130, 518; (35)	resistance of grain to hail, (30) 519.
726; (40) 622.	rotation of lactose, (33) 415.
for mangels, (29) 830.	rotation of lactose, (33) 415. soil acidity, (28) 137; (37) 815; (38) 20, 620. soils, (27) 622; (28) 520; (29) 417; (30) 220.
manuacture, progress in, (29) 730.	solubility of calcium and phosphoric acid,
manufacture, progress in, (29) 730. preparation, (38) 310. production, (32) 423.	(39) 23.
utilization by soil lungt, (39) 623.	solubility of phosphates, (28) 818.
oxalate, nitrification rate, (32) 124. permutite, fertilizing value, (29) 127.	weed growth in meadows, (38) 141. yield of rubber, (31) 444.
persulphate, effect on germination of seeds, (26)	sulphate—
820.	sulpinate— fertilizing value, (26) 42, 125, 323, 321, 329, 330, 425, 534, 536, 629, 630, 635, 723, 529, 637, (27) 135, 218, 336, 724, 832, 838, 837; (28) 521, 533, 723, 724, 725, 736, 827, 832; (29) 23, 125, 127, 213, 829, 831; (30) 125, 427, 437, 526, 626, 632, 736, 835; (31) 36, 37, 124, 137, 517, 518, 731, 820, 829; (32) 323, 831, 832; (33) 33, 219; (31) 24, 25, 128, 129, 131, 219, 518, 520, 622, 820; (35) 30, 124, 124, 124, 125, 128, 129, 518, 520, 622, 820; (35) 30, 124, 124, 124, 125, 128, 129, 518, 529, 627, 636, 733, 739, 824; (38) 135, 137, 215, 229, 516, 517, 624, (39) 32, 241, 328, 428, 438, 529, 530, 537, 622, 623, 726, 817; (40), 134, 626, 633, 824, 627, 636, 738, 738, 624, 628, 726, 817; (40), 636, 636, 637, 628, 628, 726, 817; (40), 636, 636, 638, 824, 638, 627, 638, 824, 638, 626, 638, 824, 638, 627, 638, 824, 638, 626, 638, 824, 638, 627, 638, 824, 638, 626, 628, 726, 817; (40), 636, 636, 638, 624, 628, 628, 628, 628, 628, 628, 628, 628
phosphate, effect on— decomposition of soy bean fodder, (40) 214.	537; (27) 135, 218, 336, 724, 832, 833, 837;
decomposition of soy bean fodder, (40) 214. germination of seeds, (29) 328.	(28) 521, 533, 723, 724, 725, 736, 827, 832;
phosphale, lertilizing value, (35) 519; (39) 522.	(29) 23, 125, 127, 213, 829, 831; (30) 125, 427, 427, 596, 696, 639, 736, 835, (31) 26, 37, 194.
presence in plants, (38) 629. salt, peculiar plant physiological action of, (34) 724.	137, 517, 518, 731, 820, 829; (32) 323, 831,
	832; (33) 33, 219; (31) 21, 25, 128, 129, 131,
salts— absorption and solution in soils, (35) 512.	325, 336, 427, 518, 519, (36) 30, 120, 218, 328, 325, 336, 427, 518, 519, (36) 121, 134, 332,
absorption by plants, (35) 433, 435. and soll constituents, interaction, (32), 121.	338, 637, 818, 833; (37) 123, 229, 321, 426,
and soil constituents, interaction, (32), 121.	539, 627, 636, 733, 739, 824; (38) 135, 137,
as feed for pigs, (31) 265. assimilation by plants, (32) 121.	438, 529, 530, 537, 622, 623, 726, 817; (40),
bacterial oxidation, (33) 124.	134, 626, 633, 824.
Salts, effect on—	for arid soils, (34) 621; (36) 726.
baking quality of flour, (26) 356. dogs, (28) 568.	coffee. (40) 43.
nodule production, (32) 727; (33) 134.	PERSS 19.00. (33) 527. (36) 438.
phosphorites, (35) 516. plants, (32) 538.	lawn grasses, (40) 125.
solubility of phosphates, (36) 626.	lnwn grasses, (40) 125. moor soils, (39) 438. peat soils, (39) 428.
salts—	pineappies, (38) 748.
fertilizing value, (38) 121. flocculating power on clay, (27) 620.	potatoes and sugar beets, (31) 833. rubber trees, (26) 339.
manufacture, (28) 424.	sugar cane, (32) 336; (36) 219; (40) 242,
metabolism of, (30) 64.	533.
method of testing, (27) 208. ninhydrin reaction with, (35) 614.	fractioning of complement with, (33) 280. from ammonia and sulphur dioxid, (29) 24.
nitrification in soils, (26) 722.	from peat, (31) 321; (39) 425. history and manufacture, (34) 423.
separation from fatty acids, (26) 112. utilization by plants, (27) 634; (29) 133.	imports into United States, (26) 324.
sodium sulphate, fertilizing value, (35) 218, 325.	sulphate industry—
sulphate— action as affected by distribution in soils,	in Austria-Rungary, (33) 822.
(35) 518.	in Germany, (31) 30. in Great Britain, (39) 522.
action on muscovite, (37) 505.	status, (27) 128, 519.
absorption by soils and quartz sand, (37)	sulphate, injurious—
analysis, (39) 222.	effect, (38) 624. to fish, (29) 821.
application, (34) 24; (38) 624. as affected by lime, (26) 320.	to plants, (34) 135.
as top-dressing for grains, (37) 29.	sulphate— long-continued use, (34) 131, 622
as top-dressing for grains, (37) 29. as winter spray for fruits, (30) 641.	long-continued use, (34) 131, 622. loss from soils, (29) 211.
availability, (40) 125. sulphate, availability—	manufacture, (30) 721. sulphate, manufacture—
in presence of sodium nitrate, (38) 723.	and use, (27) 624; (35) 428.
in relation to soil reaction, (37) 521. of nitrogen in. (35) 123; (39) 817	from sewage sludge, (26) 624. in United States, (27) 22.
sulphate containing sulphocyanid, fertilizing	n United States, (27) 22, progress in (28) 818
value, (31) 422.	progress in, (28) 818. sulphate, nitrification, (34) 127.
sulphate, effect on— acid soil, (39) 627.	Suiphate, nitrilication—
action of phosphates, (35) 326.	in acid soils, (30) 626. in soils, (26) 319; (31) 818; (39) 814. rate, (32) 124.
assimilation of phosphates, (29) 318. Azotobacter, (31) 721.	rate, (32) 124.
bacterial flora of soils, (28) 815.	sulphate— nitrogen assimilation from, (27) 331.
burning quality of tobacco, (38) 140.	oxidation, (39) 619.
carnations, (36) 446.	preparation, (40) 801
composition of meadow hay, (34) 620. decomposition of feldspar, (30) 126.	oxidation, (39) 619. preparation, (40) 501 production, (39) 428. sulphate, production—
decomposition of soy bean fodder, (40) 214.	and use, (27) 327, 420; (29) 126, 213, 318, 517:
disease susceptibility in cereals, (29) 844. germination and growth of barley, (40) 218.	and use, (27) 327, 420; (29) 126, 213, 318, 517; (30) 126; (32) 425, 517; (33) 218, 219. from peat, (34) 522.
germination of seeds, (29) 328.	from sewage. (34) 424.
grass lands, (30) 133.	from sewage, (34) 424. in France, (37) 727. in Natal, (40) 127, in 1913, (31) 725. in 1915-16, (37) 594, 721
growth of soy beans, (40) 30. hydrogen-ion concentration in soils, (39) 425.	in Natal, (40) 127,
legume bacteria, (29) 733.	in 1015_18 /27\ 504 701

Ammonium—Continued.	Amyloidosis ın fowls, (39) 393.
sulphate	Amyloids, variations of in leaves, (29) 827.
relation to citrus chlorosis, (39) 458.	Amylometer, description, (32) 114.
secondary and subsidiary effects, (30) 26.	Amylometer, description, (32) 114. Amylomyces prainii, notes, (28) 761. Amylopsin, notes, (34) 257.
source, production, and use, (38) 817.	Amylopsin, notes, (34) 257.
storage on the farm, (40) 25.	Anabaena sp., notes, (28) 31.
trade in, (31) 29. use, (39) 117.	Anaca dium occidentale, notes, (29) 746.
use, (39) 117.	Anaerobes —
use against weeds, (29) 530. use in combination with salt, (33) 220.	culture methods, (39) 887.
use on calcarcous soils, (32) 622.	pathogenic, biochemistry, (38) 483, 503, 504; (39) 887; (40) 577.
use on peat soils, (37) 135; (38) 433.	nathogenie culturo (40) 677
v sodium nitiate for sugar beets, (31) 422.	pathogenic, culture, (40) 677. proteclytic, from wounds, (39) 488.)
sulphid fungicidal Valile, (37) 45; (38) 853.	volatile acids from, (33) 30.
Sulpinee, let thising value, (20) 021.	Anagrus-
TAXICH V LOWING DIBLICS, (50) 120.	armatus—
vanadate, jertilizing value, (30) 627.	nigriceps n.var., description, (35) 262.
Ammophila spp., bionomies, (35) 168.	notes, (31) 752.
Ammospermophilus leucurus cinnamomeus, prev-	bartheli n sp., description, (36) 857.
alence in Colorado, (28) 652.	flaveolus n.sp., description, (30) 856.
Amobiinae, new genera, (38) 767. Amoeba—	frequent n.sp., description, (37) 856.
cucumeris n.sp., description, (35) 45'.	giraulti n.sp., description, (30) 661. ovijentatus—
lohospinosa n sp., notes, (27) 350.	description, (31) 550.
meleagridis, notes, (36) 782.	notes, (31) 650.
n sop., descriptions, (31) 420.	spiritus, parasitic on San José scale, (29) 758.
sp., relation to blackhead in turkeys, (26) 487.	Anagyrella corvina n.g. and n sp., description, (34)
Amoebiasis in fowls, studies, (26) 89.	857.
Amoehotaenia sphenoides, anatomy and life his-	Analytical methods—
tory, (35) 81.	editing, (35) 311; (36) 299.
Amoora rohituka, oil content. (31) 234. Amorbia emigratella, notes, (27) 155, 657; (31) 249.	standard, (35) 415; (38) 506.
Amorphophalius tubers, analyses, (29) 463.	Anametis—
Amorphola—	granulata, notes, (36) 549.
ephestia n sp., description, (28) 102	grisea, notes, (32) 651.
ephestia, notes. (27) 564.	Anaphes— gracilis, parasitic on codling moth, (26) 252.
sp , parasitic on beet webworm, (26) 250.	sp., notes, (27) 561.
Ampelodesma mauritanica, culture and use, (33)	sp., parasitic on San José scale, (29) 758.
131.	Anaphoidea—
Ampelographical station, new, in Spain, (26) 398.	conotracheli, notes, (27) 864; (38) 565.
Ampelopsis—	luna n.sp., description, (32) 852. luna, studies, (36) 759.
hederacea, autum coloration of, (31) 34.	luna, studies, (36) 759.
tricuspidatum, cladosportum disease, (31) 347,	Anaphothrips striatus, notes, (27) 300; (31) 301.
Amphiacusta caraibea injurious to plants, (38) 761.	Anaphylactic and immune reactions, studies, (37)
Amphibians—	Anaphylactic shock—
of North America, check list, (39) 655.	accomilation reaction in (35) 486
of North America, check list, (39) 655. of Pennsylvania, (31) 648.	congulation reaction in. (35) 486.
of Pennsylvania, (31) 648.	congulation reaction in. (35) 486.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (30) 79.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (30) 79. Anaphylatovin— and anaphylavis, studies, (37) 578, 688.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimits in Spirogyra inflata, (34) 370.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (30) 79. Anaphylatoxin— and anaphylaxis, studies, (37) 578, 688. anthray and erysipelas, notes, (28) 778.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimits in Spirogyra inflata, (34) 370.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylavis, studies, (37) 578, 688. anthrux and crysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimixis in Spirogyra inflata, (34) 370. Amphisoepa bivittata as a cranberry pest, (33) 559. Amphistonum subtriquetrum, studies, (38) 659.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (30) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthrax and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimixis in Spirogyra inflata, (34) 370. Amphisoepa bivittata as a cranberry pest, (33) 559. Amphistonum subtriquetrum, studies, (38) 659.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatoxin— and anaphylaxis, studies, (37) 578, 688. antibux and crysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimixis in Spirogyra inflata, (34) 370. Amphiscopa bivittata as a cranberry pest, (38) 559. Amphistomum subtriquetrum, studies, (38) 659. Amphrophora cicutae n. sp., description, (37) 163. Annsactu albistriga, notes, (27) 559.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (30) 79. Anaphylatoxin— and anaphylaxis, studies, (37) 573, 688. anthrax and erysipelas, notes, (28) 778. offect on heat production in rabbits, (20) 479. offect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra inflata, (34) 370. Amphiscepa bivittata as a cranberry pest, (38) 559. Amphischamum subtriquetrum, studies, (38) 659. Amphrophora cleutae n. sp., description, (37) 163. Amisacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (30) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthrax and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. properation from tubercle bacilli, (30) 184.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimits in Spirogyra inflata, (34) 370. Amphiscopa bivittata as a cranberry pest, (38) 559. Amphrophora cieutae n. sp., (description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdaluse—	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatoxin— and anaphylaxis, studies, (37) 578, 688. anthrax and crysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. unture, (34) 674. poisoning, coagulation reaction in, (35) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimits in Spirogyra inflata, (34) 370. Amphiscopa bivittata as a cranberry pest, (38) 559. Amphrophora cieutae n. sp., (description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdaluse—	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (30) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthrax and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. properation from tubercle bacilli, (30) 184. studies, (40) 579.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimits in Spirogyra inflata, (34) 370. Amphiscopa bivittata as a cramberry pest, (38) 559. Amphrophora cieutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdaluse— in hypomycetes, (30) 241, 805. notes, (29) 500.	congulation reaction in, (35) 486. prevontion, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthux and crysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra inflata, (34) 370. Amphision sin Spirogyra inflata, (34) 370. Amphision mus ubtriquetrum, studies, (33) 659. Amphistonum subtriquetrum, studies, (33) 659. Amphrophora cieutae n. sp., description, (37) 163. Amsactu albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 509. Amygdalin— as affected by enzyms, (28) 503.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthrax and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. properation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— allmentary, caused by eggs, (32) 178. and immunity, (30) 79.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimias in Spirogyra inflata, (34) 370. Amphisoma bivitata as a cramberry pest, (33) 559. Amphistomum subtriquetrum, studies, (33) 659. Amphrophora cieutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdaluse— in hypomycetes, (30) 241, 805. notes, (29) 509. Anygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthux and crysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. properation from tubercie bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478.
of Pennsylvania, (31) 448. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra inflata, (34) 370. Amphisopa bivittata as a cramberry pest, (38) 559. Amphisonum subtiquetrum, studies, (38) 659. Amphrophora cieutae n. sp., description, (37) 163. Amisacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444.	coagulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatoxin— and anaphylaxis, studies, (37) 573, 688. anthrax and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. offect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— allimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. hehavior of blood plantelets in, (35) 574. cause, (37) 76.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimits in Spirogyra inflata, (34) 370. Amphisoepa bivittata as a cramberry pest, (38) 559. Amphrophora cieutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdaluse— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (29) 509.	coagulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatoxin— and anaphylaxis, studies, (37) 578, 688. anthrax and crysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood plattelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimixis in Spirogyra inflata, (34) 370. Amphiscopa bivitata as a cranberry pest, (33) 559. Amphistomum subtriquetrum, studies, (33) 659. Amphrophora cioutae n. sp., description, (37) 163. Amsacta abistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amydaluse— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdali— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (20) 509. Amygdalinase in hyponycetes, (30) 241, 805.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthrav and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. properation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra inflata, (34) 370. Amphisoepa bivittata as a cranberry pest, (38) 659. Amphisonum subriquetrum, studies, (33) 659. Amphrophora cieutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdaluse— in hypomycetes, (30) 241, 805. notes, (29) 509. Anygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (29) 509. Amygdallus—	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatoxin— and anaphylaxis, studies, (37) 578, 688. anthray and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. properation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. hehavior of blood platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomona, (40) 880.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimixis in Spirogyra infiata, (34) 370. Amphiscopa bivitata as a cranberry pest, (33) 559. Amphiscomum subtriquetrum, studies, (33) 659. Amphrophora cioutae n. sp., description, (37) 163. Amsacta abistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalus— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (29) 509. Amygdalus— Amygdalus— ann, drought resistance, (36) 734.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthray and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. properation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood Platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomena, (40) 880.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra inflata, (34) 370. Amphiscopa bivittata as a cramberry pest, (38) 559. Amphiscomum subtriquetrum, studies, (38) 659. Amphrophora cicutae n. sp., description, (37) 163. Amisacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (20) 509. Amygdalus— nand, drought resistance, (36) 734. new names in. (37) 220.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthray and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. properation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood Platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomena, (40) 880.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimixis in Spirogyra inflata, (34) 370. Amphiscopa bivitata as a cramberry pest, (33) 559. Amphistomum subtriquetrum, studies, (33) 659. Amphrophora cieutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdaluse— in hypomycetes, (30) 241, 805. notes, (29) 509. Amygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (20) 509. Amygdalinse in hypomycetes, (30) 241, 805. Amygdalins— nana, drought resistance, (36) 734. new names in, (37) 220. new names in, (37) 220.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthray and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. properation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood Plutelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomena, (40) 880.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra inflata, (34) 370. Amphisoepa bivittata as a cranberry pest, (38) 659. Amphisonum subtiquetrum, studies, (33) 659. Amphrophora cieutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 509. Anygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (20) 509. Amygdalus— nane, drought resistance, (36) 734. new names in, (37) 220. Amylaeous material, feeding stuffs from, (33) 170. Amylamins, assimilation by plants, (26) 32.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthray and crysipelas, notes, (28) 778. offect on heat production in rubbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (36) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— allmentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood Platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomena, (40) 880. hypodermal, in cattle and sheep, (37) 379. notes, (26) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 580. purpsitic, notes, (38) 689.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra inflata, (34) 370. Amphisoepa bivittata as a cramberry pest, (33) 559. Amphisonum subtriquetrum, studies, (33) 659. Amphrophora cieutae n. sp., description, (37) 163. Amsacta abistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdaluse— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalim— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (29) 509. Amygdalinaes in hypomycetes, (30) 241, 805. Amygdalinaes in hypomycetes, (30) 241, 805. Amygdalinaes in (37) 220. Amylaceous material, feeding stuffs from, (33) 170. Anylamins, assimilation by plants, (26) 32. Amylase— activity, determination in presence of alkaloids,	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthray and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. properation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood Platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomena, (40) 880. hypodermal, in cattle and sheep, (37) 379. notes, (20) 678; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 580. purastite, notes, (38) 689. produced by sensitization through vagina, (36)
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra infiata, (34) 370. Amphiscopa bivittata as a cramberry pest, (38) 559. Amphiscomum subtriquetrum, studies, (38) 659. Amphrophora cleutae n. sp., description, (37) 163. Amisacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (20) 509. Amygdalins— nana, drought resistance, (36) 734. new names in, (37) 220. Amylaceous material, feeding stuffs from, (33) 170. Amylamins, assimilation by plants, (26) 32. Amylamins, assimilation by plants, (26) 32. Amylase— activity, determination in presence of alkaloids, (34) 713.	coagulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatoxin— and anaphylaxis, studies, (37) 578, 688. anthux and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 574. poisoning, coagulation reaction in, (35) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. henatic phenomona, (40) 880. hypodermal, in cattle and sheep, (37) 379. notes, (20) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 580. parastite, notes, (38) 689. produced by saltization through vagina, (36) 277. production by albumin, (26) 874.
of Pennsylvania, (31) 448. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra inflata, (34) 370. Amphisoepa bivittata as a cranberry pest, (33) 559. Amphisonum subtriquetrum, studies, (33) 659. Amphrophora cieutae n. sp., description, (37) 163. Amsacta abistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdaluse— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalus— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (29) 509. Amygdalus— nana, drought resistance, (36) 734. new names in, (37) 220. Amylaceous material, feeding stuffs from, (33) 170. Anylamins, assimilation by plants, (26) 32. Amylase— activity, determination in presence of alkaloids, (34) 713.	coagulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatoxin— and anaphylaxis, studies, (37) 578, 688. anthray and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. preparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by sait, (30) 478. behavior of blood platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomena, (40) 880. hypodermal, in cattle and sheep, (37) 379. notes, (26) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 589. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. prototin, treatise, (32) 79.
of Pennsylvania, (31) 448. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra inflata, (34) 370. Amphiscepa bivittata as a cramberry pest, (33) 559. Amphistonum subtriquetrum, studies, (38) 659. Amphrophora cleutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (29) 509. Amygdalus— nann, drought resistance, (30) 241, 805. Amygdalus— nann, drought resistance, (36) 734. new names in, (37) 220. Amylaceous material, feeding stuffs from, (33) 170. Amylamins, assimilation by plants, (26) 32. Amylas— activity, determination in presence of alkaloids, (34) 713. as affected by ultraviolet rays, (31) 711. in slifalfa, (32) 411.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthray and crysipelas, notes, (28) 778. offect on heat production in rubbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (36) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood Platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomena, (40) 880. hypodermal, in cattle and sheep, (37) 379. notes, (26) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 580. purasitic, notes, (38) 689. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. protein, treatise, (32) 79. reaction—
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimits in Spirogyra inflata, (34) 370. Amphiscopa bivitata as a cramberry pest, (33) 559. Amphistomum subtriquetrum, studies, (33) 659. Amphistomum subtriquetrum, studies, (33) 659. Amphrophora cieutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdaluse— in hypomycetes, (30) 241, 805. notes, (29) 509. Amygdalus— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (20) 509. Amygdalius— nama, drought resistance, (36) 734. new names in, (37) 220. Amylaceus material, feoding stuffs from, (33) 170. Amylamins, assimilation by plants, (26) 32. Amylas— activity, determination in presence of alkaloids, (34) 713. is affected by ultraviolet rays, (31) 711. in alfalfa, (32) 411. cereals, studies, (31) 609.	coagulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatorin— and anaphylaxis, studies, (37) 578, 688. anthray and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomona, (40) 880. hypodermal, in cattle and sheep, (37) 379. notes, (26) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 689. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. protein, treatise, (32) 79. reaction— for defecting meat, (28) 204.
of Pennsylvania, (31) 448. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra inflata, (34) 370. Amphiscepa bivittata as a cramberry pest, (33) 559. Amphistonum subtriquetrum, studies, (33) 659. Amphorate albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amsgdalus— in hypomycetes, (30) 241, 805. notes, (29) 509. Amygdalu— ns affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (29) 509. Amygdalus— nana, drought resistance, (36) 734. new names in, (37) 220. Amylaceous material, feeding stuffs from, (33) 170. Anylamins, assimilation by plants, (26) 32. Amylase— nativity, determination in presence of alkaloids, (34) 713. as affected by ultraviolet rays, (31) 711. in alfalfa, (32) 411. cereals, studies, (31) 609. dried fodders, (32) 503.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthray and crysipelas, notes, (28) 778. offect on heat production in rubbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (36) 486. properation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood Platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomena, (40) 880. hypodermal, in cattle and sheep, (37) 379. notes, (26) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 580. purositic, notes, (38) 689. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. protein, treatise, (32) 79. reaction— for delecting meat, (28) 204. of vegetable proteins, (31) 377.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimits in Spirogyra inflata, (34) 370. Amphiscopa bivitata as a cramberry pest, (33) 559. Amphistomum subtriquetrum, studies, (33) 659. Amphistomum subtriquetrum, studies, (33) 659. Amphrophora cieutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdaluse— in hypomycetes, (30) 241, 805. notes, (29) 509. Amygdalus— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (20) 509. Amygdalins— nana, drought resistance, (36) 734. new names in, (37) 220. Amylaceus material, fooding stuffs from, (33) 170. Amylamins, assimilation by plants, (26) 32. Amylas— activity, determination in presence of alkaloids, (34) 713. as affected by ultraviolet rays, (31) 711. in alfalfa, (32) 411. cereals, studies, (31) 609. dried fodders, (32) 503. malt extracts. properties, (31) 410.	coagulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatorin— and anaphylaxis, studies, (37) 578, 688. anthray and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood plattelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hamatic phenomona, (40) 880. hypodermal, in cattle and sheep, (37) 379. notes, (26) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 589. produced by sensitization through vagina, (36) 277. production by albumin, (28) 374. protoin, treatise, (32) 79. reaction— for delecting meat, (28) 204. of vagetable proteins, (31) 377. röle of proleins in, (30) 680.
of Pennsylvania, (31) 448. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra infiata, (34) 370. Amphiscepa bivittata as a cramberry pest, (38) 559. Amphiscomum subtriquetrum, studies, (38) 659. Amphrophora cleutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (20) 509. Amygdalins— nana, drought resistance, (36) 734. new names in, (37) 220. Amylaceous material, feeding stuffs from, (33) 170. Amylamins, assimilation by plants, (26) 32. Amylaceous material, feeding stuffs from, (33) 170. Amylamins, assimilation in presence of alkaloids, (34) 713. as affected by ultraviolet rays, (31) 711. in alfalfa, (32) 411. cereals, studies, (31) 609. dried fedders, (32) 503. mat extracts, properties, (31) 410. mammary gland, (32) 412. notations. (36) 634.	coagulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatoxin— and anaphylaxis, studies, (37) 578, 688. anthray and erysipelas, notes, (28) 778. offect on heat production in rabbits, (20) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. preparation from tubercle bacilii, (30) 184. studies, (40) 579. Anaphylaxis— allimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomena, (40) 880. hypodermal, in catile and sheep, (37) 379. notes, (26) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 589. parasitic, notes, (38) 689. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. protoin, treaties, (32) 79. reaction— for detecting meat, (28) 204. of vagetable proteins, (31) 377. r61e of proteins in, (30) 680. yalue in protein differentiation, (26) 176.
of Pennsylvania, (31) 448. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra infiata, (34) 370. Amphiscepa bivittata as a cramberry pest, (38) 559. Amphiscomum subtriquetrum, studies, (38) 659. Amphrophora cleutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (20) 509. Amygdalins— nana, drought resistance, (36) 734. new names in, (37) 220. Amylaceous material, feeding stuffs from, (33) 170. Amylamins, assimilation by plants, (26) 32. Amylaceous material, feeding stuffs from, (33) 170. Amylamins, assimilation in presence of alkaloids, (34) 713. as affected by ultraviolet rays, (31) 711. in alfalfa, (32) 411. cereals, studies, (31) 609. dried fedders, (32) 503. mat extracts, properties, (31) 410. mammary gland, (32) 412. notations. (36) 634.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatoxin— and anaphylaxis, studies, (37) 578, 688. anthux and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. hehavior of blood plutelets in, (36) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. henatic phenomona, (40) 880. hypodermal, in catile and sheep, (37) 379. notes, (26) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 580. parastic, notes, (38) 689. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. protoin, treatise, (32) 79. reaction— for detecting meat, (28) 204. of vagetable proteins, (31) 377. rőle of proteins in, (30) 680. value in protein differentiation, (26) 176. relation to—
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimixis in Spirogyra infiata, (34) 370. Amphisoepa bivitata as a cranberry pest, (33) 559. Amphisonum subtriquetrum, studies, (33) 659. Amphrophora cioutae n. sp., description, (37) 163. Amsacta abistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 690. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 509. Amygdalus— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (29) 509. Amygdalus— nana, drought resistance, (36) 734. new names in, (37) 220. Amylaceous material, feoding stuffs from, (33) 170. Anylaceous material, feoding stuffs from, (33) 170. Anylaceous material, feoding stuffs from, (33) 170. Anylase— activity, determination in presence of alkaloids, (34) 713. as affected by ultraviolet rays, (31) 711. in alfalfa, (32) 411. cereals, studies, (31) 609. dried fodders, (32) 803. malt extracts, properties, (31) 410. mammary gland, (32) 412. potatoes, (35) 634. Dotatoes, pathological alterations in, (34) 428.	coagulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatorin— and anaphylaxis, studies, (37) 578, 688. anthray and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomena, (40) 880. hypodermal, in cattle and sheep, (37) 379. notes, (26) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 689. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. protein, treatise, (32) 79. reaction— for detecting meat, (28) 204. of vegetable proteins, (31) 377. rôle of proteins in, (30) 680. value in protein differentiation, (26) 176. relation to— coagulation of blood, (40) 380.
of Pennsylvania, (31) 448. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra infiata, (34) 370. Amphisoepa bivittata as a cramberry pest, (33) 559. Amphisonum subtriquetrum, studies, (33) 659. Amphisonum subtriquetrum, studies, (33) 659. Amphorohora cientae n. sp., description, (37) 163. Amsacta abistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalu— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (29) 509. Amygdalus— nand, drought resistance, (36) 734. new names in, (37) 220. Amylaceous material, feeding stuffs from, (33) 170. Annylamias, assimilation by plants, (26) 32. Amylase— activity, determination in presence of alkaloids, (34) 713. us affected by ultraviolet rays, (31) 711. in alfalfa, (32) 411. cereals, studies, (31) 609. dried fodders, (32) 503. malt extracts, properties, (31) 410. mammary gland, (32) 412. potatoes, (35) 634. potatoes, pathological allerations in, (34) 428. ripening horse beans, (36) 526.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthray and crysipelas, notes, (28) 778. offect on heat production in rubbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (36) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomena, (40) 880. hypodermal, in cattle and sheep, (37) 379. notes, (26) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 580. purasitic, notes, (38) 689. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. protoin, treatise, (32) 79. reaction— for detecting meat, (28) 204. of vegetable proteins, (31) 377. rôle of proteins in, (30) 680. value in protein differentiation, (26) 176. relation to— coagulation of blood, (40) 380. diet, (30) 168.
of Pennsylvania, (31) 448. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra infiata, (34) 370. Amphiscopa bivitata as a cramberry pest, (33) 559. Amphistonum subtriquetrum, studies, (33) 659. Amphistonum subtriquetrum, studies, (33) 659. Amphorphora cientae n. sp., description, (37) 163. Amsacta abistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalu— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (29) 509. Amygdalus— nand, drought resistance, (36) 734. new names in, (37) 220. Amylaceous material, feeding stuffs from, (33) 170. Annylamias, assimilation by plants, (26) 32. Amylase— activity, determination in presence of alkaloids, (34) 713. us affected by ultraviolet rays, (31) 711. in alfalfa, (32) 411. cereals, studies, (31) 609. dried fodders, (32) 503. malt extracts, properties, (31) 410. mammary gland, (32) 412. potatoes, (35) 634. potatoes, pathological allerations in, (34) 428. ripening horse beans, (36) 526. Amylases— activit on soluble starch, (36) 315.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthux and crysipelas, notes, (28) 778. offect on heat production in rubbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (36) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood Platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomona, (40) 880. hypodermal, in catile and sheep, (37) 379. notes, (26) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 589. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. protoin, treatise, (32) 79. reaction— for delecting meat, (28) 204. of vegetable proteins, (31) 377. rôle of proteins in, (30) 680. value in protein differentiation, (26) 176. relation to— coagulation of blood, (40) 380. diet, (30) 188. eclampsia, (26) 375. review, (20) 481.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimisis in Spirogyra inflata, (34) 370. Amphiscopa bivitata as a cramberry pest, (33) 559. Amphistomum subtriquetrum, studies, (33) 659. Amphistomum subtriquetrum, studies, (33) 659. Amphrophora cieutae n. sp., description, (37) 163. Ampsachus— in hypomycetes, (30) 241, 805. notes, (29) 509. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 509. Amygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (20) 509. Amygdalins— in hypomycetes, (30) 241, 805. Amygdalins— in hypomycetes, (30) 241, 805. Amygdalins— in hypomycetes, (30) 734. new names in, (37) 220. Amylamins, assimilation by plants, (26) 32. Amylase— activity, determination in presence of alkaloids, (34) 713. as affected by ultraviolet rays, (31) 711. in alfalfa, (32) 411. cereals, studies, (31) 609. dried fodders, (32) 503. malt extracts, properties, (31) 410. mammary gland, (32) 412. potatoes, (36) 634. potatoes, (36) 634. potatoes, pathological alterations in, (34) 428. action on soluble starch, (36) 315. airregenous stimulants, (37) 204.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthux and crysipelas, notes, (28) 778. offect on heat production in rubbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (36) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood Platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomona, (40) 880. hypodermal, in catile and sheep, (37) 379. notes, (26) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 589. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. protoin, treatise, (32) 79. reaction— for delecting meat, (28) 204. of vegetable proteins, (31) 377. rôle of proteins in, (30) 680. value in protein differentiation, (26) 176. relation to— coagulation of blood, (40) 380. diet, (30) 188. eclampsia, (26) 375. review, (20) 481.
of Pennsylvania, (31) 648. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimisis in Spirogyra inflata, (34) 370. Amphiscopa bivitata as a cramberry pest, (33) 559. Amphistomum subtriquetrum, studies, (33) 659. Amphistomum subtriquetrum, studies, (33) 659. Amphrophora cieutae n. sp., description, (37) 163. Ampsachus— in hypomycetes, (30) 241, 805. notes, (29) 509. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 509. Amygdalin— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (20) 509. Amygdalins— in hypomycetes, (30) 241, 805. Amygdalins— in hypomycetes, (30) 241, 805. Amygdalins— in hypomycetes, (30) 734. new names in, (37) 220. Amylamins, assimilation by plants, (26) 32. Amylase— activity, determination in presence of alkaloids, (34) 713. as affected by ultraviolet rays, (31) 711. in alfalfa, (32) 411. cereals, studies, (31) 609. dried fodders, (32) 503. malt extracts, properties, (31) 410. mammary gland, (32) 412. potatoes, (36) 634. potatoes, (36) 634. potatoes, pathological alterations in, (34) 428. action on soluble starch, (36) 315. airregenous stimulants, (37) 204.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthux and crysipelas, notes, (28) 778. offect on heat production in rubbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (36) 486. properation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood Platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomona, (40) 880. hypodermal, in catile and sheep, (37) 379. notes, (26) 679; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 580. purositic, notes, (38) 689. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. protoin, treatise, (32) 79. reaction— for delecting meat, (28) 204. of vegetable proteins, (31) 377. röle of proteins in, (30) 680. value in protein differentiation, (26) 176. relation to— coagulation of blood, (40) 380. diet, (30) 188. eclampsia, (26) 375. review, (20) 481. röle of enzyms in, (40) 679. studies, (27) 378: (30) 180. 201; (33) 82, 385; (34)
of Pennsylvania, (31) 448. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra inflata, (34) 370. Amphiscepa bivittata as a cramberry pest, (33) 559. Amphistonum subtriquetrum, studies, (33) 659. Amphrophora cleutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amptrophora cleutae n. sp., description, (37) 163. Amsacta albistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalu— ns affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (29) 509. Amygdalinase in hypomycetes, (30) 241, 805. Amygdalus— nam, drought resistance, (30) 241, 805. Amygdalus— nam, drought resistance, (30) 734. new names in, (37) 220. Amylaceous material, feeding stuffs from, (33) 170. Amylamis, assimilation by plants, (26) 32. Amylase— activity, determination in presence of alkaloids, (34) 713. us affected by ultraviolet rays, (31) 711. in alfalfa, (32) 411. cereals, studies, (31) 609. dried fodders, (32) 503. malt extracts, properties, (31) 410. mammary gland, (32) 412. potatoes, (36) 634. potatoes, pathological alterations in, (34) 428. ripening horse beans, (36) 526. Amylases— action on soluble starch, (36) 315. nitrogenous stimulants, (37) 204. studies, (30) 463; (40) 504, 608.	congulation reaction in, (35) 486. prevontion, (40) 579. studies, (37) 582; (39) 79. Anaphylatoxin— and anaphylaxis, studies, (37) 578, 688. anthux and erysipelas, notes, (28) 778. offect on heat production in rabbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (35) 486. proparation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. hehavior of blood plutelets in, (36) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. henatic phenomona, (40) 880. hypodermal, in catile and sheep, (37) 379. notes, (20) 676; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 580. parastic, notes, (38) 689. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. protoin, treatise, (32) 79. reaction— for detecting meat, (28) 204. of vagetable proteins, (31) 377. rôle of proteins in, (30) 680. value in protein differentiation, (26) 176. relation to— coagulation of blood, (40) 380. diet, (30) 188. oclampsia, (26) 375. review, (20) 481. role of enzyms in, (40) 579. studies, (27) 378; (30) 180, 201; (33) 82, 385; (34) 778; (36) 677; (37) 178, 578, 688; (38) 78, 181, 1182.
of Pennsylvania, (31) 448. Amphicorus— bicaudatus, see Apple twig borer. punctipennis, notes, (30) 255. Amphimitis in Spirogyra infiata, (34) 370. Amphiscopa bivitata as a cramberry pest, (33) 559. Amphistonum subtriquetrum, studies, (33) 659. Amphistonum subtriquetrum, studies, (33) 659. Amphorphora cientae n. sp., description, (37) 163. Amsacta abistriga, notes, (27) 559. Amsterdam colonial institute, notes, (36) 699. Amygdalus— in hypomycetes, (30) 241, 805. notes, (29) 500. Amygdalu— as affected by enzyms, (28) 503. decomposition by enzym action, (31) 14. effect on fungl, (28) 444. from various sources, tests, (29) 509. Amygdalus— nand, drought resistance, (36) 734. new names in, (37) 220. Amylaceous material, feeding stuffs from, (33) 170. Annylamias, assimilation by plants, (26) 32. Amylase— activity, determination in presence of alkaloids, (34) 713. us affected by ultraviolet rays, (31) 711. in alfalfa, (32) 411. cereals, studies, (31) 609. dried fodders, (32) 503. malt extracts, properties, (31) 410. mammary gland, (32) 412. potatoes, (35) 634. potatoes, pathological allerations in, (34) 428. ripening horse beans, (36) 526. Amylases— activit on soluble starch, (36) 315.	congulation reaction in, (35) 486. prevention, (40) 579. studies, (37) 582; (39) 79. Anaphylatovin— and anaphylaxis, studies, (37) 578, 688. anthux and crysipelas, notes, (28) 778. offect on heat production in rubbits, (29) 479. effect of multiple doses, (37) 580. nature, (34) 674. poisoning, coagulation reaction in, (36) 486. properation from tubercle bacilli, (30) 184. studies, (40) 579. Anaphylaxis— alimentary, caused by eggs, (32) 178. and immunity, (30) 79. as affected by salt, (30) 478. behavior of blood Platelets in, (35) 574. cause, (37) 76. chronic, kidney lesions in, (34) 878. formation from acid-fast bacteria, (30) 481. hematic phenomona, (40) 880. hypodermal, in catile and sheep, (37) 379. notes, (26) 679; (27) 466; (32) 78, 272. papers on, (27) 576; (38) 580. purositic, notes, (38) 689. produced by sensitization through vagina, (36) 277. production by albumin, (26) 374. protoin, treatise, (32) 79. reaction— for delecting meat, (28) 204. of vegetable proteins, (31) 377. röle of proteins in, (30) 680. value in protein differentiation, (26) 176. relation to— coagulation of blood, (40) 380. diet, (30) 188. eclampsia, (26) 375. review, (20) 481. röle of enzyms in, (40) 679. studies, (27) 378: (30) 180. 201; (33) 82, 385; (34)

	4 1
Anaplasma marginale—	Andropogon—Continued.
cultivation in vitro, (35) 678.	halepensis and A. sorghum, studies, (33) 221.
culture in vitro, (34) 576.	rufus for dairy cattle, (32) 471.
culture in vitro, (34) 576. in Algeria, (30) 282. in German East Africa, (30) 285. notes, (26) 173, 584, 882; (28) 284.	sericeus
in German East Africa, (30) 285.	analyses, (27) 68.
notes, (26) 173, 584, 882; (28) 284.	culture experiments, (30) 632.
(var. centrate), use against anapiasmosis, (20)	sorghum—
584.	analyses, (38) 572.
Anaplasmata in anemic vertebrate blood, (35) 782.	analyses and digestibility, (28) 464.
Anaplasmosis—	loss in weight after harvesting, (38) 635.
bovine	malting capacity, (40) 808.
ımmunization, (32) 476.	pollination and cross-fertilization, (38) 435.
in Argentina, (32) 183.	seed position in planting, (40) 635.
Philippines, (38) 183.	short smut of, (38) 850.
Roman Campagna, (28) 284.	sp., seeding on ranges, (30) 35.
South Africa, (26) 584.	spp., analyses, (27) 469, 871; (28) 463, 768; (31)
South America, (29) 886.	863.
Turkey, (38) 183.	spp., analyses and digestibility, (27) 871; (32)
Turkey, (38) 183. notes, (26) 173.	167.
studies, (33) 384.	spp., hydrocyanic acid content, (27) 77.
treatment, (27) 482. canine, notes, (29) 385.	spp., notes, (26) 361.
canine, notes, (29) 385.	spp., toxicity, (27) 78.
clinical form of piroplasmosis, (33) 281.	Andryala ragusina, analyses, (33) 166.
clinical form of piroplasmosis, (33) 281. immunization, (31) 585; (35) 678. in Brazil, (31) 85.	Anemia-
in Brazil, (31) 85.	equine, intracellular bodies, in (27) 576, 684.
norses, cameis, and hares, (30) 679.	equine, studies, (33) 676; (36) 79.
Russian Turkestan, (37) 374.	experimental, in dogs, (38) 583.
sheep, (27) 482; (30) 285.	
Russian Turkestan, (37) 374. sheep, (27) 482; (30) 285. review of literature, (37) 178.	in horses (27) 181: (28) 184: (32) 881: (36)
transmission by ticks, (26) 584, 883; (29) 584.	581: (37) 82 382: (38) 680 788
Anaplasms—	in horses, (27) 181; (28) 184; (32) 881; (36) 581; (37) 82, 382; (38) 680, 788. in New York, (36) 676.
in erythrocytes of mammals, (29) 478.	treatment, (20) 483.
nature of, (31) 382; (33) 281. specificity, (39) 788. Anarsia lineatella, see Peach twig moth.	
specificity, (39) 788.	pernicious—
Anarsia lineatella, see Peach twig moth.	(24) 274 200 601. (25) 20 672. (20) 21
Anasa—	permicious— in horses, (26) 888; (27) 188; (33) 384, 681; (34) 274, 280, 681; (36) 80, 678; (39) 81. in rabbiller in (25) 275
andresii, notes, (36) 55.	III Pabbles, (30) 478.
spp., notes, (40) 754.	metabolism in, (35) 371.
Anastatus—	produced by hemolysin from streptococci, (32)
(Antigaster) mimbilis, notes, (31) 650	179.
(Antigaster) mirabilis, notes, (31) 650. bifasciatus in Maine, (37) 459.	progressive, in ovines, (28) 782.
semifiavidus n.sp., description, (35) 262.	relation to lime deficiency, (29) 622.
Anastrepha—	Anemograph, simple forms, description, (30) 17.
acidusa, notes, (27) 857.	Anemometer—
fraterculus, notes, (29) 652; (40) 56.	kite, calibrating, (35) 619.
fraterculus, studies, (40) 757, 758.	records, comparison, (37) 513.
ludens, notes, (26) 860.	Robinson, (34) 118.
Indepe vernedice (21) 757	Anempheres diaphaniae n.sp., description, (26)
ludens, remedies, (31) 757.	852.
peruviana n.sp., notes, (29) 657.	Aneristus oculatipennis n.sp., description, (35)
serpentina, notes, (34) 856.	761.
spp., danger of introduction, (39) 407.	Anesthesia—
sylvicola n.sp., description, (34) 554.	and narcosis of animals and birds, handbook,
Anatidae—	(35) 379.
new genus, (40) 254.	by chloralose, (39) 885.
shedding of stomach lining, (38) 457.	effect on hemolytic reaction, (36) 878.
Anatis 15-punctata, studies, (39) 663.	paper on, (29) 500.
Anatomy—	production by injection of magnesium sulphate,
bibliography, (32) 860.	(35) 484.
history, (38) 572.	Anesthetics—see also Ether and Chloroform.
microscopic, treatise, (26) \$76.	effect on—
of domestic animals, textbook, (32) 78, 682.	cyanogenetic compounds of sorghum, (37)
domestic animals, treatise, (30) 276.	109.
the horse, atlas, (32) 584.	dormant woody plants, (35) 221.
the horse, treatise, (32) 278, 682.	dormant woody plants, (35) 221. electrical potential in plant and animal
vertebrates, treatise and bibliography, (28)	tissues, (30) 630.
668.	germination of seeds, (27) 220.
pathologic—	permeability of plant tissues, (28) 732; (36)
treation (OT) ETC. (UC) 170. (UT) OTC. (OC) OTC.	29.
of man and animals, treatise, (33) 476. treatise, (27) 576; (28) 178; (31) 276; (32) 270. Anax junius, food habits, (34) 549.	plant respiration, (37) 821.
Anabanasa alaa - (34) 549.	plant roots, (32) 626.
Auchonocranus oleae n.g. and n.sp., description,	in veterinary surgery, (34) 576.
(28) 561.	in veterinary surgery, (34) 576. mechanism of action, (39) 286.
Anchovies, artificial coloration, (27) 809.	Aneurism, verminous, in the norse, (37) 82.
Anchovy—	Angelica tyrrhea, notes, (28) 355.
butter adulteration, detection, (29) 361.	Angiosperms, disorganization of pollen-sac tapetum
paste, creatinin content, (31) 760.	CBIIS, (35) 431.
Ancylis—	Angitia
angulifasciana, see Clover leaf-tyer.	plutellae n.sp.—
comptana, see Strawberry lenf-roller.	description, (30) 60.
nubeculana, see Apple leaf-sewer.	notes, (28) 657.
Andrena-	tineavora n.sp., description, (33) 164.
helianthi, pollination of sunflowers by, (32) 556.	Angieworms-
n.spp. from Africa, (39) 586.	relation to agriculture, (31) 154.
notes, (40) 65.	relation to soil bacteria, (29) 316.
Andropogon—	Angoumois grain moth
aciculatus injurious to horses, (37) 779.	affecting Sudan grass, (33) 746.
annulatus—	piology, (38) 862.
culture experiments, (31) 524.	control, (39) 363.
notes, (30) 229.	affecting Sudan grass, (33) 746. biology, (38) 862. control, (39) 363. notes, (26) 453; (27) 657; (30) 655; (31) 57; (38)

```
Angoumois grain moth—Continued.
on corn, (40) 861.
popular account, (40) 356.
studies, (37) 356.
 Anilin-
                         dyes, acid, anticoagulant action on protein,
(35) 880.
                          effect on tubercle bacilli, (37) 481.
sulphate, nitrification rate, (32) 121.
                     and plant life, treatise, (29) 897.
and plant tumors, comparison, (29) 518.
body—
daptability to excessive diet, (26) 262.
oxidations and reductions in, (29) 607.
regulations of neutrality in, (29) 62.
breeders associations in Germany, (26) 666.
breeding—sie also Breeding, Hybridization,
and specific animals.
age factor in, (31) 367; (35) 868.
anatomy and physiology in, (34) 195.
and feeding, notes, (28) 279.
and genetics, treatise, (39) 672.
applicability of pure-line theory, (39) 573.
biological principles, (28) 666.
circuits, discussion, (27) 171.
cooperative, in Wisconsin, (28) 593.
effect of popular she in, (34) 370.
experiments, suggestions for, (26) 773.
fancy points in, (28) 66.
for discass resistance, (28) 370.
history and development, (28) 553.
in ancient times, (28) 466.
Bengal, (26) 578.
Germany, (33) 168.
India, (27) 781; (28) 79; (29) 676.
Kafa, Abyssinia, (27) 69.
North America, (27) 239.
Punjab, (27) 475.
Sao Paulo, (27) 69.
inheritance in "blood lines" in, (26) 162.
manual, (36) 667.
poinciples, (28) 570.
review of literature, (28) 370, 466; (32) 860; (38) 367.
selection, (27) 870.
selection problem in, (38) 64.
selecting for fancy points in, (26) 162.
studies, mathematics in, (28) 466; (38) 367.
studies, of order in the first in the fir
                          and plant life, treatise, (28) 897.
                            and plant tumors, comparison, (29) 518.
                         368, value of pedigree, (27) 175. yearbook, (28) 68. by-products—analyses, (27) 670. as fertilizers, (31) 323. utilization, (27) 470. calorimetry, studies, (39) 772. enstration, treatise, (32) 578. calls—
                         growth and viability, (28) 272.
synthesis, (27) 461.
chemistry, progress in, (31) 311.
communities in temperate America, treatise,
                         (32) 549.
diseases—see also specific diseases.
act in Canada, (31) 70.
book on, (39) 288.
caused by Gaertner group bacilli, (39) 488.
                         diseases, contagious—
in Burma, (26) 374.
in India, (29) 676.
law in Canada, (26) 881.
treatment, (26) 374.
                          diseases
                                                     control, (39) 582, 884; (40) 778.
control by treatment of grass lands, (29) 676.
control in Netherlands, (27) 676.
```

```
Animal—Continued.
                                           diseases—continued.

control in United States, (34) 399; (26) 675.

control on the farm, (40) 380, 577.

diagnosis, (27) 77; (29) 477; (32) 279; (34) 81;

(36) 575.
                                                                                      (36) 575.

dissemination in South Africa, (36) 678.
epizootic, in Bengal, (30) 778.
epizootic in Calcutta and vicinity, (26) 578.
handbook, (35) 379.
immunization, (36) 575.
in Alabama, (37) 687; (39) 670.
Anglo-Egyptian Sudan, (30) 679.
Argentina, (35) 678.
Assam, (32) 81; (36) 879; (40) 380.
Austri, (34) 674.
Baluchistan, (37) 274; (40) 284.
Bengal, (26) 578; (31) 177; (39) 582.
Bengal and Assam, (30) 180.
Bihar and Orissa, (30) 577; (32) 272; (36)
                     Bihar and Orissa, (30) ...,
879.
British East Africa, (32) 373; (38) 180.
British Guiana, (34) 777.
Burma, (31) 177; (32) 373; (34) 275; (36) 579.
Califonia, (34) 275; (37) 477; (40) 778.
Canada, (36) 179, 275; (39) 582; (40) 284
Ceylon, (30) 787.
Dournark, (29) 377; (30) 737.
Dutch East Indies, (35) 370.
Regypt, (34) 275; (36) 180, 777.
England, (36) 275.
Florida, (37) 477.
Formosa, (27) 378.
Gernany, (27) 181; (28) 583.
Glasgow, (28) 178.
Grat Britain, (34) 382; (36) 378, 676; (30) 387; (40) 676.
Guam, (37) 778.
Guiana, (27) 377.
Hawdi, (37) 374.
Indie, (27) 781; (28) 79; (35) 483, 784; (37) 274, 477; (38) 180.
Kansus, (40) 777.
Ireland, (27) 781; (32) 778; (35) 279; (37) 577; (38) 180.
Kansus, (40) 778.
Kentucky, (39) 679.
Louisiana, (40) 86.
Madras, (34) 277.
Massachusetts, (30) 779.
Massachusetts, (30) 779.
Maryland, (30) 777.
Massachusetts, (37) 780.
Michigan, (37) 274.
Montana, (37) 687.
Nebraska, (40), 380.
Nevada, (38) 170.
New Hampshire, (37) 687.
New Jersey, (38) 781.
North Oarolina, (40) 880.
North Dakota, (38) 180.
North Dakota, (38) 180.
North Dakota, (39) 180.
North Dakota, (39) 183.
Prussian Turkestan, (37) 374.
Paris and Department of the Seine, (35) 279; (37) 780; (39) 678.
Pennsylvania, (37) 787.
Pensalan Turkestan, (37) 374.
Soskatchewan, (38) 68.
United Kingdom, (37) 687.
New Jersey, (38) 781.
South Pakota, (40) 183.
Southern Rhodesia, (37) 688.
United Kingdom, (37) 687.
United Kingdom, (37) 677.
United States, (37) 777.
Wissonshi, (38) 180.
Wyoming, (37) 477.
Wissonshi, (28) 483.
notes, (26) 276, 581.
                                                                                                                              British East Africa, (32) 373; (38) 180.
British Guiann, (34) 777.
Burma, (31) 177; (32) 373; (34) 275; (36)
```

Animal—Continued.	Animal—Continued.
diseases, infectious—continued. specific therapy of, (31) 479.	metabolism, phosphorus compounds in, (32) 601, 858.
textbook, (27) 76.	micrology, handbook, (37) 155. morphology, history, (38) 572.
treatment, (27) 888.	nutrition—
investigations of Rockefeller Institute, (34) 498	American society, (27) 469. mineral elements in, (35) 867.
law in New York, (30) 778.	pathological aspects, (32) 99.
microbiology of, (26) 372 nonbacterial, immunization, (26) 174.	phosphates and wheat bran in, (31) 762 phosphorus compounds in, (29) 869
notes, (26) 452.	primer, (28) 265.
protozoan, notes, (36) 880. regulations among American countries, (37)	principles of, (26) 164. problems in, (29) 169.
77. relation to diet deficiency, (29) 66.	review of literature, (33) 169. studies, (35) 670.
relation to food supply, (35) 178.	studies of Bureau of Animal Industry, (27)
resistance to, (32) 270. review of investigations, (31) 177; (33) 876.	469. * studies, progress in, (30) 101.
review of investigations, (31) 177; (33) 876. serum diagnosis, (27) 478; (29) 377.	subnormal plane, (36) 669.
spread through garbage, (34) 274. textbook, (26) 677.	treatise, (30) 67 value of proteins in, (27) 276.
tick transmitted, notes, (31) 356, tick transmitted, review, (32) 350.	vitamin factor, (40) 577 oil, detection in ethyl alcohol, (29) 312.
transmission by blood-sucking insects, (26)	organism—
transmission by dogs. (34) 280.	as a machine, (32) 258. defensive ferments of, (31) 278; (32) 270.
transmission by dogs, (31) 280. transmission by insects, (36) 470. treatise, (29) 82, 481 (27) 77, 377, 679; (23) 775; (29) 880; (32) 79, 371, 174, 871; (34) 383; (36) 477, 475; (37) 876; (40) 778 treatment, (26) 578; (32) 578; (37) 876.	defensive ferments of, (31) 278; (32) 270. defensive ferments of, treatise, (30) 77.
775; (29) 880; (32) 79, 371, 474, 871; (34) 383;	energy transformations in, (30) 106.
(36) 477, 478; (37) 876; (40) 778	growth in, (32) 165. relation to soil formation, (26) 223.
ecology—	organs—
studios, (32) 549. treatise, (30) 454.	manganese content, (30) 562. phosphorus content, (30) 669.
enemies of agricultural plants, treatise, (32) 752.	parasites affecting livestock—
experimentation and medical progress, (33) 876. extracts, effect on milk secretion, (26) 370; (28) 175; (30) 375.	in India, list, (33) 279. in Ohio, (33) 279.
175; (30) 375. fats and oils, effect of free fatty acids on, (31)	parasites—
312.	and diseases, treatise, (32) 79. and human disease, (39) 582.
fats, digestibility, (34) 364. feeding, textbook, (31) 468.	atlas and textbook, (31) 576. biological detection, (31) 281.
ferments, saccharification of starch by, (28) 609. fluids, determination of viscosity, (26) 374.	chemistry of, (32) 78. detection, (26) 481.
food-	effect of hibernation and migration on, (27)
for poultry, (33) 572. products in United States, (38) 865.	655. external, collecting, (39) 760.
products, transportation, (32) 76.	handbook, (27) 779.
genetics and eugenics, treatise, (40) 274. growth, treatise, (20) 658.	in Australia, (32) 377. Belgian Kongo, (27) 77.
heat and bio-energetics, treatise, (26) 265. heat, origin, (30) 563.	British Guiana, (37) 155. Colorado, (26) 865.
husbandry—	Guam, (35) 460.
bibliography, (28) 492. courses in, (33) 696; (36) 595; (38) 897; (10)	human feces, (37) 848. man, treatise, (36) 152, 354.
492, 599. experimental work, redirection, (30) 106.	Paraguay, (38) 580. invasion by bacteria, (28) 681.
extension course for boys' and girls' clubs,	110068, (20) 102, (30) 409.
(35) 396. in Denmark, (27) 391; (30) 91.	protozoan, notes, (27) 181. remedies, (31) 50.
husbandry instruction—	treatise, (31) 478; (32) 777.
development of, (33) 193. in high schools, (34) 195.	parasitology, treatise, (36) 571. pests—
in United States, history, (35) 897. husbandry—	and plant diseases, treatise, (28) 752. of alfalfa, (31) 648.
lessons on. (32) 597; (35) 592. review of literature, (29) 271.	physiology, progress in, (20) 405.
students, fundamental sciences for, (38) 896.	pigmentation, studies, (32) 360. pigments, hibliography, (32) 18.
textbook, (28) 795; (29) 598.	poisons, notes, (32) 78. power, measuring, (27) 666.
hybridization in United States, (26) 163. industry—see also Animal production.	· production—
in Alaska, (33) 666. Kongo, (31) 865.	bibliography, (36) 469. in Chile, (30) 671.
Philippines, (26) 666.	in Germany, (30) 170.
Russia, (29) 570. instruction in United States, (28) 597.	review of German literature, (31) 467. review of literature, (26) 266; (32) 566.
inspection in Glasgow, (28) 375. insurance societies in Holland, (30) 296, 493.	textbook, (29) 570; (35) 167. products—
life—	ash analyses. (29) 861.
chemistry of, treatise. (30) 310.	exports, (34) 194. in United States, (34) 393.
relation to meteorology, (26) 513. relation to suprophytic bacteria, (28) 570.	middlemen's function in, (33) 787. prices and movement in Chicago, (33) 757.
liquids, drying, (28) 610. matter, showers of, (37) 808.	prices in Switzerland, (26) 573.
meal-	purin content, (40) 205. quarantine
analyses, (26) 362; (28) 265. analyses and feeding value, (26) 468.	laws, (32) 679. regulations in Canada, (26) 881
sterilized, manufacture, (38) 423	regulations in Canada, (20) 881

Animal—Continued.	Animals—Continued.
regeneration, treatise, (26) 163.	electric stimulation of, (30) 674.
relationships, symbolic statement, (28) 173.	embryonic deformities in, (27) 274.
slaughter law in Massachusetts, (27) 65.	evolution in, (28) 466.
species, identification, (36) 380.	exercises with, for rural schools, (34) 292.
species, origin of, (26) 162.	experimental rooms for, (29) 167.
statistics in Germany, (29) 70.	fasting, tissue changes in, (33) 464.
substances, conversion into fertilizers, (28) 125.	fecundity in, (28) 767.
tissues-	feeding-
autolysis, (39) 608.	treatise, (28) 465.
distribution of fluorin in, (28) 506.	under germ-free conditions, (34) 564,
electrical potential in, (30) 630.	foral, nervous system, (27) 870.
exchange of energy in, (33) 567.	fly repellents for, (32) 59.
for labor story evenuingtion (38) 878	food-
indicators from, (35) 204; (30) 804. stimulation by Roentgen rays, (30) 729. water content, (20) 767.	lymph glands, (27) 180.
stimulation by Roentgen rays, (30) 729.	parasites transmissible to man, (37) 355.
water content, (29) 767.	prices in Germany, (30) 896.
	rumigation for external parasites, (35) 656.
adaptations in, (26) 317.	lungus parasites of, (32) 271.
adaptations in, (20) 347. and plants, heliotropism in, (33) 129.	fur-bearing, sec Fur-bearing animals.
anesthesia and narcosts of, (35) 379. artificial insemination, (27) 274.	gall-like formations in, (26) 243.
artificial insemination, (27) 274.	game, treatise, (33) 77. glandular cell structure in, (28) 272.
as affected by—	glandular cell structure in, (28) 272.
environment, (2d) 392.	growth of, (30) 467; (31) 305.
eosin, (25) 880.	guide for study, (27) 192.
on tunneformers of operation (22) 980	herbivorous, feeds of animal origin for, (26) 567
as managerines of energy, (32) 300.	hibernation, (37) 156.
blood powerles of (92) 159	hyperimmunizing for anti-rinderpest serum
eosin, (28) 880. inbreeding, (31) 564. as transformers of energy, (32) 860. associated with anis, (26) 348. blood parasites of, (33) 152. blood relationship, studies, (25) 875; (30) 68; (32) 661: (35) 472.	(27) 380.
(30) 661 (35) 379	immunization—
(32) 861; (35) 372. bone content, (31) 564. boron in, (28) 370; (30) 168.	against nonbacterial diseases, (26) 171.
boron in (9k) 370: (30) 168	errors in, (31) 178.
breading 1001 grops for (26) 95	importation into Brazil, (34) 372. in zoological gardens, blood parasites, (27) 477.
breeding, root crops for, (26) 95. castrated, abnormal bone growth in, (26) 471.	inhanit meets (98) 578
castration without surgical operation, (28) 466.	inheritance in, (28) 876.
cause of death in, (27) 888.	injurious—
classification, (36) 411.	in Colorado (34) 651
classification, scientific basis, (31) 801.	in Iroland (20) 555: (33) 554
coat color in, chemistry of, (33) 667.	handbook, (27) 452. in Colorado, (34) 651. in Ireland, (29) 555; (33) 554. in Russia, (20) 603; (31) 547; (33) 856. laws in Michigan, (26) 59.
cold-blooded, metabolism experiments, (30) 563.	lowe in Michigan (26) 50
color disguise in, treatise, (26) 246.	notes, (26) 452.
color variation and chromatic skin function of,	
(33) 198.	cacao, (30) 246. crops, (30) 349, 649.
dead, fertilizer from (33) 219.	crops. (30) 349, 649.
death-feigning instinct, (37) 559.	plants, (29) 517, 645,
descent of, (29) 68.	plants, (29) 517, 645. sugar beets, (28) 651; (30) 853; (81) 58 649; (34) 350.
destructive, control, (40) 254.	649; (34) 350.
diagnostic inoculation with tuberculous ma-	tobacco, (29) 551,
terial, (27) 184.	tohucco, (29) 551. vegetables, (27) 438.
distribution, treatise, (31) 846.	laboratory-
domestic—	blood of, (28) 777.
anatomy of, (32) 78.	identification, (35) 880.
bones of, (28) 767.	kymograph for, (32) 565.
breeding and improvement, (33) 71.	nutrition of, (36) 161.
breeds, origin, (27) 172.	lime requirements, (29) 65. lower, fertilization in, (29) 167.
calliphorine cutanoous parasites, (27) 656.	lower, fertilization in, (29) 167.
castration of, (33) 176.	male domestic, steruity and impotence in, (28)
danger of contaminated streams to, (29) 880.	571.
dissection guide, (26) 578.	manganese in, (27) 500, 670.
early maturity in, (26) 471.	meat-producing, lymphatic glands, (31) 876.
factors limiting fertility, (32) 465.	meat, production and marketing, (26) 92.
fleas infesting, (20) 349. hair and hair colors, (27) 369.	Mendelian characters in, (28) 370, 531. metabolism experiments, (26) 161, 265; (29) 62.
history, (28) 271, 667.	mineral, balance of, (31) 663.
imported, in East Africa, (26) 768.	minoral matabolism of (35) 100
improvement, (27) 467; (33) 297.	mineral metabolism of, (35) 100. minimal lethal dose for, (33) 81.
inheritance in, (29) 665.	nutritive requirements, (31) 662.
insects affecting, (26) 780; (27) 53, 453, 552;	of America, treatise and hibliography, (27) 855.
insects affecting, (26) 780; (27) 53, 453, 552; (28) 753, 855; (29) 252; (32) 418; (33) 746.	Australia, blood examination, (36) 879.
lysol poisoning in, (26) 581.	District of Columbia, (40) 160.
mucous membrane of. (26) 480.	South India, treatise, (34) 549.
mucous membrane of, (26) 480. of ancient Crete, (20) 169.	South India, treatise, (34) 549. Yellowstone Park, (40) 350.
ancient Egypt, (27) 371.	organisms in digestive tract of, (34) 564.
	paralysis in, investigations, (26) 185.
Mediterranean islands, (28) 267.	periodic events. (39) 317.
parasitology of, (26) 882.	pet and laboratory, care and feeding, (28) 173.
parasitology of, (26) 882. pulse rate of, (28) 768.	phosphorus content, (33) 167.
reproductive organs, (27) 369. restraint of, treatise, (26) 678.	physiology of response in, (27) 368.
restraint of, treatise, (26) 678.	pigmentation in. (29) 466.
sea-transport regulations, (34) 575.	poisoning by plants, (26) 86. poisonous, of desert, (39) 153.
size of cell as factor, (27) 174.	poisonous, of desert, (39) 153.
grill and hood moosuraments (98) 787	predatory
susceptibility to plague, (26) 280.	control in range States, (31) 868. extermination, (39) 555.
susceptibility to plague, (28) 280. toatbook, (32) 494. variability in, (34) 370. domestication, (27) 771; (30) 670. double formations or composite monsters, (27)	extermination, (39) 555.
demonstration (97) 771, (20) 670	prepotency in, (32) 861. price in Switzerland, (20) 573. purebred, registration in Brazil, (34) 372.
double furnations on composite marriage (07)	price in Switzeriand, (20) 573.
god to matters of composite monsters, (27)	purebred, registration in Drazu, (34) 372.
970.	ratio of heat production to body weight, (29)
early maturity in, (83) 71.	569.

```
Anobium-
Arimals-Continued.
                                                                                                                                                                                                                                       domesticum in New Zealand, (40) 169.
               response to stimuli, (32) 222.
              response to stimuli, (32) 222, seed destroying, combating, (29) 545. set-limited inheritance in, (30) 525. skull measurements, (27) 69, 467. slunghtering, (27) 279. small—state in the state of the sta
                                                                                                                                                                                                                                       rufipes, notes, (36) 853.
                                                                                                                                                                                                                        A noecia
                                                                                                                                                                                                                        n.sp., nematodes affecting, (35) 658.
querci, notes, (36) 551.
Anogeissus latifolius—
               small—
breeding in Netherlands, (31) 596.
immunization, (26) 676.
respiration apparatus for, (33) 265; (34) 370.
structure terminology of, (29) 665.
structure terminology of, (29) 665.
structure terminology of, (29) 665.
structure terminology of, (29) 160.
susceptibility to—
infectious bulbar paralysis, (33) 179.
pneumonic plague, (28) 180.
tolerance to animonia gas, (26) 373.
transmission of acquired characters in, (28) 531.
transportation, (27) 781.
transportation regulations in Germany, (27) 775.
                                                                                                                                                                                                                                      gums of, (31) 409.
notes, (29) 443.
                                                                                                                                                                                                                         Anomala-
                                                                                                                                                                                                                                       nenea, notes, (31) 451.
beetle in Hawaii, (40) 854.
beetle, natural enemies, (38) 557.
                                                                                                                                                                                                                                        binotat
                                                                                                                                                                                                                        binotata—
life history, (38) 863.
notes, (28) 156; (30) 657.
marginata, notes, (37) 660.
Anomalmi of Germany, (35) 661.
Anomalon sp., parasitic on grapevine sphinx, (26) 250.
Anomis n.spp., descriptions, (29) 456.
Anomopterus fascilpennis n.g. and n.sp., description (31) 554
                         775.
                 tuberculous-
                                inspection, (34) 575.
kidney changes in, (26) 379.
rôle in infection of man, (29) 382.
                                                                                                                                                                                                                         tion, (31) 554.

Anopheles—sec also Mosquitoes and Malaria
                                                                                                                                                                                                                                        albimanus, relation to maluru, (32) 315. anatomical studies, (35) 539. apicimacula, relation to mularia, (32) 318. as hosts of malarial parasites, (38) 160. barianensis, notes, (35) 750.
               role in injection of man, (29) 382. uniparous, multiple gestation in, (28) 467. urine and other excretions of, treatise, (26) 480. utilization of mineral phosphates by, (29) 870. variations in, treatise, (26) 27. velocity of transmission of excitation in, (34) 29. vertebrate, pulse rate in, (27) 68. wanderings of, treatise, (31) 57. warm-blooded—colorimeter for, (27) 367.
                                                                                                                                                                                                                                         bifurcatus-
                                                                                                                                                                                                                                                        destruction of larvae, (26) 560.
                                                                                                                                                                                                                                        notes, (30) 361.
parasite of, (39) 766.
classification and habits, (39) 158.
control, (39) 158.
                                 calorimeter for, (27) 367.
calorimetrical experiments on, (29) 569.
size of organs, (28) 375.
                                                                                                                                                                                                                                         crucians
                                                                                                                                                                                                                                        crucians—
malaria parasites in, (35) 759.
studies, (40) 552.
Egyptian, as malaria carriers, (40) 262.
flight of, (35) 258.
hylephilus n.sp., description, (37) 565.
identification, (39) 662.
in Transvaal, (26) 173.
infectibility, (37) 463.
larvae—
                   wild-
                                 and domestic, structure of limb bones, (28)
                  767.
diseases of, (34) 576.
in-and-in breeding, (27) 671.
National reservations for, (28) 56.
of North America, (35) 354; (40) 646.
of the world, (39) 859.
festocking ranges, (40) 646.
young, mother's milk v. foreign milk for, (31) 174.
                                                                                                                                                                                                                                          larvae-
                                                                                                                                                                                                                                         bacillary parasite, (40) 552.
destruction, (27) 452.
winter hibernation, (40) 457.
maculipennis, relation to tertian malaria, (39)
   Anions, antagonism between, (33) 323.
    Anisandrus-
                                                                                                                                                                                                                                         156.
malarial, studies, (40) 168.
notes, (29) 856; (37) 555.
punctipennis—
as bost of tertian plasmodial infection, (36)
                   dispar-
                   notes, (30) 161.
remedies, (40) 547.
studies, (29) 858.
pyri, see Pear-blight beetle.
                                                                                                                                                                                                                                                                 255.
                                                                                                                                                                                                                                          breeding, (34) 358, infectibility, (36) 757, relation to malaria, (34) 358; (40) 168, quadrimaculatus—
     Anise-
     extermination, (30) 838.
seed refuse for cows, (28) 372.
Aniseed oil, insecticidal and larvicidal value, (34)
                                                                                                                                                                                                                                           quadrimaculatus—
breeding in deep water, (40) 168.
breeding in rice fields and flight distance,
(40) 857, 858.
entangling in spider webs, (29) 861.
flight of, (37) 853.
prevalence in malaria districts, (33) 749.
transmission of malaria by, (35) 360, 361; (36) 460.
     Anisoclavia 12-maculata, notes, (33) 58.
Anisomyxa plantiginis n.g. and n.sp., studies, (31)
       Anisoplia 

     Amsopina—austriaca, biology and remedies, (32) 452.
austriaca, notes, (31) 155.
spp., notes, (32) 463.
Anisoscelini, key, (39) 361.
Anisosterm schenckii, analyses and digestibility, (27) 872; (32) 167.
                                                                                                                                                                                                                             Anophelinae-
                                                                                                                                                                                                                                            in British Columbia, (35) 755.
                                                                                                                                                                                                                            Indian, nomenciature, (35) 759.

Anoplocephala—
perfoliata, notes, (36) 183.
spp., notes, (40) 186.

Anoplocephalidae, studies, (33) 863.
       Anisota senatoria, notes, (29) 353.
       Ankylostoma-
                      dudenale, transmission by flies, (30) 659.
duodenale, transmission by flies, (38) 563.
ova, fate in house-fly larvae, (39) 468.
                                                                                                                                                                                                                             n.spp., descriptions, (36) 552.
of North American mammals, (36) 253.
Anovulvitis in cattle, (33) 774.
Antelopes, relation to Trypenosoma gambiense,
(28) 80.
                      extract, effect on digestion, (26) 68.
substitute, effect on digestion, (26) 68.
                                                                                                                                                                                                                              Antannaria dioica, hydrocarbons in, (26) 107.
Antannularialla fulginosa n.g. and n.sp., descrip-
        Annona
                      cherimolia-
                                                                                                                                                                                                                              Antenimari angla di tion, (36) 245.
Anteoninae, studies, (39) 870; (40) 265.
Antaris nepae n.sp., descriptions, (38) 264.
Antharia manca, notes, (30) 455.
                                     crown gall affecting, (28) 447. notes, (27) 242.
       notes, (27) 242.
propagation, (31) 441; (32) 143,
diversifolia n.sp., description, (26) 743.
in Hawaii, (37) 345.
spp., possibilities of, (20) 642.
spp., propagation, (27) 537.
Annonas, elassification, (31) 339.
Anobiidae, catalogue, (30) 458.
                                                                                                                                                                                                                               Anthelmintic
                                                                                                                                                                                                                                             investigations, (40) 477, 482, 684.
investigations, differentiation of lesions in, (39)
                                                                                                                                                                                                                                              medication, principles, (38) 782.
```

1 13 3 3-1-11	Anthostomella-
Anthelmintics— affect on parasites, (28) 80.	arecae n.sp. notes, (37) 148.
effect on parasites, (28) 80. efficacy, (38) 883.	coffeae, notes, (38) 51.
testing on earthworms, (40) 137.	sullae, notes, (26) 747.
Anthemis—disease, notes and treatment, (27) 354.	Anthothrips—
nobilis, constituents of flowers, (33) 202.	aculeata, notes, (28) 452. floridensis, notes, (35) 852.
Anthonhora—	verbasci, parthenogenesis in, (36) 252
hochstetteri, analyses and digestibility, (27)	verbasci, sex determination in, (38) 558.
spp., analyses and digestibility, (32) 167.	Anthoranthum odoratum, germination tests, (28) 327; (29) 143.
Antheraea peryni, notes, (38) 361.	
Anthicidae, catalogue, (26) 560.	Anthraceno— as wood preservative, (27) 314.
Anthidium spp., bionomics, (35) 468.	effect on plants, (38) 647.
Anthistiria— avenacea, analyses, (27) 68.	Authracenic oil for waterproofing cement, (35) 493.
gigantea, production, (10) 243.	Anthrax—
membranaecea, analyses, (28) 463, spp, analyses, (27) 468; (30) 565.	address on, (31) 878. affecting man, (37) 179.
spp, analyses, (27) 469; (30) 565.	anaphylatoxin, notes, (28) 778.
Anthoboscinae, studies, (28) 455. Anthoceros, chondriosomes, (39) 332.	bacillus—
Anthocoptes n.sp., description, (30) 362.	agglutination, (40) 779.
Anthocyanidins—	anaphylaxis against, (27) 577. and pseudoanthrax bacilli, relationship,
formation in plants, (31) 626. production, (33) 329.	(30) 682.
	as affected by low temperature, (32) 81.
Anthocyanin— as effected by oxidase, (38) 128.	as affected by ultraviolet rays, (31) 379; (32) 475.
constitution, (36) 127. distribution in plants, (28) 227.	capsule formation, (31) 877.
distribution in plants, (28) 227.	destruction by tanning process, (26) 84.
electric charge of, (34) 525. experimental production, (30) 729.	detection in bone marrow, (33) 676. detection in foodstuffs, (27) 478.
formation, (35) 333, 523.	disinfection by einchona alkaloids, (40)
formation—	478.
in flowers, (31) 34, 427; (33) 427.	from a contaminated stream, (32) 373.
in Hedera, (30) 432.	hemolytic powers, (31) 873. historical review of discovery, (33) 773.
(30) 120, 729; (31) 34, 128, 224, 626; (32)	impunization, (27) 781.
202, 428, 524, 824; (33) 523, 824; (37) 25.	in fish meal, (33) 281.
relation to mitochondria, (29) 827.	natural immunity against, (29) 378.
in richest, (30) 432; (28) 30; (29) 219, 421; (30) 129, 729; (31) 34, 128, 224, 626; (32) 202, 428, 524, 824; (33) 523, 824; (37) 25. relation to mitochondria, (20) 827. in Antirhinum, (32) 202, 203, 220. blossoms and fruits, (32) 309.	protective action of capsule, (26) 781. resistance to sodium chlorid solution, (37)
plants, (32) 428.	79.
plants, (32) 428. plants, treatise, (37) 633. isolation, (34) 710. markings and cell mutation, (36) 222. origin, (33) 224. preparation, (34) 710. production, (33) 329. products, origin and transformation, (35) 130. relation to coloration of flowers, (28) 227.	staining, (31) 781.
markings and cell mutation. (36) 222.	toxin formation by, (27) 781. virulent, in saliva of horsos, (30) 83.
origin, (33) 224.	vitality of, (31) 281.
preparation, (34) 710.	control in—
products origin and transformation, (35) 130.	England, (36) 275. Michigan, (37) 274.
relation to coloration of flowers, (28) 227.	detection, precipitation method, (33) 386.
review of literature, (34) 335.	diagnosis, (26) 375, 678; (27) 80, 284, 378, 478, 680,
sensitiveness to ultraviolet rays, (27) 827.	781; (28) 376, 477, 583, 778; (29) 281, 378, 778;
studies, (27) 228; (31) 324; (33) 627; (34) 223, 709; (39) 224; (40) 819.	(30) 180, 181, 480; (31) 282, 578, 678; (33) 578;
Antholyza bicolor, fertilization by birds, (28) 531.	dogs as carriers. (39) 683.
Anthomyia—	Michigan, (37) 2'/4. detection, precipitation method, (33) 388. diagnosis, (20) 375, 678; (27) 80, 284, 378, 478, 630, 781; (28) 376, 477, 583, 778; (29) 281, 378, 778; (30) 180, 181, 480; (31) 282, 578, 878; (33) 579; (34) 81, 676, 781; (35) 74; (30) 676; (38) 886. dogs as carriers, (39) 683. eradication, (26) 483; (37) 179, fullyohita, notes, (34) 556.
antiqua, biology, (33) 746.	
brassicae, remedies, (26) 256. brassicae, treatment, (33) 848.	immunization. (26) 279, 483, 578, 676; (27) 80; (28)
Anthomyidae—	immunity of fowls and pigeons to, (40) 186. immunization, (20) 279, 483, 578, 676; (27) 80; (28) 376, 778; (30) 181, 780; (31) 82, 577, 878; (32) 273; (20) 277, 878; (32) 278; (33) 278; (34) 285; (34) 285; (35) 287, 878; (32) 278; (33) 287; (34) 287; (35) 287; (35) 287; (36)
carnivorous larvae of, (35) 363.	376, 775 (30) [81, 780] (31) \$2, 517, 576; (22) \$26, (33) 387, 580; (34) [85, 579, 870; (35) 74; (30) 676; (37) 479; (30) 81, 138; (40) 582. in birds, (28) 678. hogs, (26) 177; (28) 886; (31) 182. hogs, (26) 177; (28) 886; (31) 182.
investigations, (37) 764.	(37) 479; (39) 81, 188; (40) 882.
revision, (30) 254. subfamily keys, (38) 61. Anthonomes, notes, (38) 654.	hogs, (26) 177; (28) 886; (31) 182.
Anthonomes, notes, (38) 654.	HUES, CHARLOSIS, (21) OIII.
Anthonomus—	man, (26) 84; (36) 277. man, treatment, (38) 586.
druparium, notes, (27) 255. eugenii, notes, (28) 657.	sheep. (29) 582.
eugenii, notes, (28) 657.	sheep, (29) 582. infection from—
fulvus, destruction by white fungus, (26) 454. grandis, see Cotton boll weevil.	hides and skins, prevention, (26) 781. wool and hair, (40) 783.
grandis thurberia—	intestinal, in swine, (29) 888.
n.var description, (30) 57.	intestinal, in swine, (29) 888. n.spp., descriptions, (37) 565.
notes, (31) 350. relation to cotton culture, (33) 257.	nature and treatment, (26) 883. notes, (20) 279, 373; (27) 81, 475, 576; (32) 778; notes, (20) 279, 373; (27) 81, 475, 576; (32) 778;
hicoriae, notes, (37) 560.	(34) 575, 879; (36) 678, 779; (38) 179, 784; (39)
hicoriae, notes, (37) 560. pedicularius in Bessarabia, (38) 163.	387; (40) 86, 676, 778.
pomorum	outbreak-
in Russia, (34) 857. notes, (31) 848; (33) 652.	among tannery workers, (37) 79. due to tannery refuse, (32) 373.
parasites of, (29) 562; (40) 65.	outbreaks in England, (38) 282.
quadrigibbus, see Apple curculio.	precipitation, control extracts for, (32) 578.
rubi, notes, (29) 658.	
signatus, see Strawberry weevil. spp., biology and remedies, (33) 750.	prevalence in— Great Britain, (27) 680; (81) 177; (34) 382; (36) 378.
spp., notes, (27) 54; (30) 357.	Hawaii, (38) 80. Japan, (31) 82. Panama, (28) 79.
spp., notes, (27) 54; (30) 357. suturalis, notes, (33) 352. vestitus, notes, (29) 562, 658; (32) 658.	Japan, (31) 82.
vestitus, notes, (29) 562, 658; (32) 658.	Panama, (28) 79. Prussia. (27) 181.

52831--26†----4

Anthrax—Continued.	Anticarsia—Continued.
relation to buzzards, (28) 79.	gemmatilis— in West Indies, (38) 58.
resistance in fowls, (27) 378. review of investigations, (38) 182.	life history, (36) 450. notes, (31) 752.
serodiagnosis, (31) 877.	notes, (31) 752, studies, (34) 358; (35) 852, 854; (39) 461.
serum— anaphylavis after using, (32) 373.	studies, (34) 358; (35) 852, 851; (39) 461. Anticoli serum, Jensen's studies, (32) 582.
immunity studies, (36) 577. precipitating, investigations, (31) 281.	Anticyclones— in United States, (30) 807; (36) 718.
precipitating, preparation, (27) 182.	nature, (32) 810.
preparation, (36) 779. purification, (39) 183.	Anticyclonic stratus, formation, (38) 511. Anticyclonic stratus, formation, (38) 512.
review of literature, (10) 81.	Antiery sipelas serum, preparation, (29) 378.
valuation, (31) 52, 181. spores—	nature of (35) 382.
destruction in hides, (31) 677; (33) 178;	Anticrysipelas serum, preparation, (29) 378. Antiferments, bacte inl— nature of, (35) 382. studies, (32) 678.
(35) 882. disinfection in tannin effluent, (36) 180.	Antiformin— action on tubercle bacilli, (31) 581.
germination as affected by culture media,	diagnostic value, (29) 285.
(26) 751. longevity, (26) 781.	Antigaster mirabilis, notes, (31) 650. Antigen—
resistance to heat, (35) 487.	and antibody, coexistence in serum, (34) 779;
studies, (29) 478; (37) 78.	(37) 877; (30) 584. and antiserum, simultaneous injections, (36)
symptomatic, see Blackleg. transmission, (26) 678; (39) 161.	677. dose and antibody production, relation, (38)
transmission by—	584.
biting flics, (31) 776. carrion feeders, (28) 678.	intracutaneous absorption, (38) 482. precipitin, production from bacteria, (38) 483.
insects and animals, (30) 780. stable files, (28) 756; (29) 761; (32) 552. treatment, (27) 182, (86); (29) 679; (35) 379, 784; (38) 483, 586; (40) 582.	protein-free, injection of rabbits with, (27) 382.
treatment, (27) 182, 680; (29) 679; (35) 379,	relation to antibody within the cell, (38) 78.
unusual, in a mare, (26) 279.	serum mixture, injection of rabbits with, (27) 382.
Anthrenus scrophulariae, see Carpet-beetle.	synthetic, for meiostagmin reaction, (31) 178.
Anthrocephalus n.spp., descriptions, (28) 162. Anthrothrips—	Antigenic— action of separated horse serum proteins, (36) 877.
dozieri n.sp., description, (40) 353.	properties of β -nucleoproteins, (37) 77. Antigens—
floridensis n.sp., description, (37) 561. North American species, (37) 561.	bacterial, dried, (40) 678.
Anthus rubescens, destruction of grain aphids by,	bacterial, preparation, (40) 478.
(29) 453. Anthylis cytisoides, analyses, (33) 466.	containing cholesterol, use, (32) 272. detection, (29) 881, 882.
Antiagressin serums, notes, (27) 883.	detection and concentration, (34) 579. excretion, (34) 579.
Antianaphylaxis— nature of, (30) 478.	from serum-grown bacteria, nonspecific reac-
studies, (37) 178.	tions, (35) 679. in cultures of tubercle bacilli, (31) 778.
Antianthrax serum, preparation, (29) 378; (30) 280. Antibodies—	notes, (26) 676. plant, hemagglutinating and precipitating
and antigens, coexistence in the body, (35) 781.	capacity, (26) 607.
and antigens, coexistence in the body, (35) 781. detection, (29) 881, 882. detection in blood of horses immunized with	preparation, (32) 78.
voidagsen bacilli, (30) 685.	preservation, (26) 83. fuberculous, (40) 481, 886, 887.
fate in precipitin reaction, (34) 877. fixation in vitro, (26) 579.	tuberculous-
formation—	inhibition reaction of, (31) 481. notes, (29) 583.
as affected by exudate leucocytes, (26) 278. during preparation of serums, (29) 581.	preparation, (26) 783. visible detection, (20) 579.
in blood of immunized horses, (28) 779.	Antigeny, problem in. (27) 655.
review of investigations, (28) 180. hemolytic, preparation and action in vitro,	Antiglanders serum, preparation, (36) 670. Antihematoxins, bacterial, notes, (26) 676; (32) 78.
(40) 380.	Antinemolysin in animal sorums, (28) 179.
in Dorset-Niles serum, (29) 82. in rats fed pure vegetable proteins, (32) 875.	Antihog-cholera serum— bacterial studies, (32) 271
in tuberculosis and Johne's disease, (31) 882. liberation on injection of foreign protein, (40)	bacterial studies, (32) 271. distribution, (26) 888; (29) 888.
180.	emciency, (28) 587.
local production of, (26) 579. nature, (37) 76.	keeping quality, (30) 185. notes, (31) 781.
nonspecific, passive transference, (36) 878.	preparation, (32) 83, 277, 378, 480, 676, preparation and standardization, (31) 885.
notes, (26) 676. of spores, (36) 380.	preparation and use, (31) 86.
of the lymph, origin, (35) 73.	production and distribution in California, (30) 484.
preparation, (32) 78. production, effect of arsphenamin and mercuric	production and use, (29) 888.
chlorid on, (40) 287.	standardization, (32) 880. use, (29) 482; (32) 83, 277.
relation to antigen within the cell, (38) 78. specific, in blood serum of tuberculous subjects,	Antihog erysipelas serum, preparation, (28) 381. Antiketogenesis, theory of, (34) 462.
(27) 481.	Antimony—
studies, (36) 80, 576. transmission from mother to fetus, (38) 284.	detection in water, (34) 410. effect on geese, (28) 73.
tubercular	effect on respiration in plants, (33) 30.
inhibition reaction of, (31) 481. notes, (29) 583.	use against spirochete and trypanosome diseases, (31) 254.
production in bovines, (30) 582. production in sound animals, (28) 585.	Antineuritic—
studies, (35) 784.	substance from egg yolk, (37) 308. substances, isomerism in, (36) 314.
Anticali dysentery serum, valuation, (28) 782. Anticarsia—	Antineuritis hases, vegetable, relation to beri-beri,
caterpillar on velvet beans, (33) 58.	(28) 67. Antiopsonic test, diagnostic value, (26) 283.

Antioxiduse-	Antitoxin—
notes, (37) 203.	absorption as affected by protein concentration,
of tomato plants, (34) 33.	(32) 372.
Antiperistalsis, relation to bacteria in alimentary	concentration, (36) 178, 179; (39) 487.
traet, (28) 882. Antiphenol serum, tests, (35) 279.	dosage, relation to sorum sensitization, (32) 372. in milk of immunized sheep, (27) 680.
Antiphymatol—	oral administration of, (26) 83.
tests, (28) 680.	preparation, (26) 374.
use against tuberculosis, (31) 779; (32) 143; (33)	preparation and standardization, (33) 280.
284, 481. Antipolyneuritic substances from carrots and yeast,	studies, (39) 489. Antituberculin, notes, (26) 379.
(40) 174.	Antituberculosis—
Antipyrin—	immunity, notes, (26) 379.
determination, (20) 800.	immunity, notes, (26) 379. serum, notes, (27) 580. Antler moth, notes, (38) 361.
periodids of, (36) 313.	Antier moth, notes, (38) 361.
Antirabic— moculations, local reaction in, (26) 177.	Antorgan as a wood preservative, (30) 647.
vaccine, preparation, (26) 782.	Ants—
Antiricin, chemical nature, (30) 201.	acacia, of Central America, (31) 452. acrobat, notes, (31) 853; (35) 254.
Antiruderpest serum—	agneultural or hillock, studies, (27) 263.
preparation, (28) 782.	animals associated with, (26) 348.
preparation, (28) 782. production, (27) 380. tests, (27) 350; (29) 285.	Argentine—
Antirrhinum inglus—	as an orchard pest, (37) 568. control, (36) 60; (39) 264.
factor counting in. (28) 531.	distribution and control, (35) 761.
flower pigments, (31) 221; (32) 202, 203, 220.	in California, (26) 254; (29) 654.
Antirrhinum spp., hybridization experiments, (30)	citrus groves, (39) 155, 156.
Antirrhinums, culture experiments, (31) 340.	Silesia, (37) 766. Texas, (31) 256.
Antiscorbutic-	natural enemies, (40) 65.
factor in lemon fuice. (10) 364, 869.	notes, (29) 654; (34) 158; (40) 655.
factor, studies, (10) 269, 272. property of vegetables, (40) 172, 762.	studies, (29) 563.
property of veretubles, (40) 172, 702.	as curriers of—
substance— distribution in foodstutis, (40) 868.	blister rust, (39) 248. cholera vibrios, (31) 752.
in sprouted grains, (40) 565, 869.	pathogenic inicro-organisms, (31) 849.
Antiscorbuties, rôle in the diet, (40) 70.	as fruit tree pests, (32) 551.
Antiseptic—	behavior toward farvae of Lycaena spp., (27)
properties of some organic compounds, (30) 412. solution of crystal violet and brilliant green, (40)	258.
285.	black garden, notes, (27) 54. eacao, studies, (39) 158.
solutions, bleaching powder for, (40) 414.	combating, (39) 59.
use of brilliant green for, (40) 581.	common house, trail formation and orientation,
Antiseptics—	(29) 860.
action— of, (29) 802.	control in dwellings, (36) 555. cornfield—
on Bacillus welchii toxin, (39) 185.	capture of living insects by, (33) 258.
on necrotic tissue, (38) 685.	life history, (29) 860.
on pus and pure cultures, (36) 479.	cutting or parasol, studies, (27) 263.
hactericidal properties, (34) 675. chlorinated, alkalinity and acidimetry of, (39)	destruction—
506.	by dynamite, (31) 125. of pigs by, (26) 483.
comparative study, (37) 176.	destructive to—
effect on-	bagworms, (27) 558. ily larvae, (28) 255. distribution of pear blight hy, (33) 140. economic importance, (40) 547.
action of multase, (28) 503.	ily larvae, (28) 255.
concentration of soil solution, (37) 719. crop growth, (31) 27.	economic importance (40) 547
soils, (35) 515.	feeding habits, (31) 458.
efficacy, studies, (39) 80.	feeding habits, (31) 468. fire, notes, (28) 158, 853.
handbook, (39) 181. mixtures of action, (40) 581.	iungus-growing—
new, (38) 283, 782; (30) 80, 680, 885.	in Louisiana, (38) 564. of Texas, (26) 658.
oil, germicidal power, (40) 882.	remedies, (35) 701.
papers on, (40) 779. soil, tests, (28) 538.	Gramang, economic amportance, (8) 364.
soil, tests, (28) 538.	guamá, remedies, (31) 637. harvester, notes, (20) 453.
sterilization of soils by, (32) 816.	harvester, remedies, (32) 549; (33) 57; (35) 551;
toxicity, (39) 586. use in food materials, (26) 564.	(39) 760.
volatile-	house, eradication, (39) 761.
effect on soil bacteria, (31) 516.	house, remedies, (35) 555.
effect on soils, (37) 519.	injurious to—
Antiserum— specific, for infections of unknown cause, (40)	eneno, (27) 53. eoffice, (27) 856; (29) 652. okra, (29) 653. tobacco, (30) 759.
1179	okra, (29) 653.
testicular, toxicity, (28) 676.	tobacco, (30) 759.
Andsheep	an vac, statues, (40) 555.
amboreptor, production, (35) 574.	leaf-cutting, control in Argentina, (26) 452.
hemolytic ambocceptor, preservation, (38) 181. Antistrangles vaccine, use, (30) 180.	little brown, destructive to flies, (30) 554- lycenid reared by, (31) 352.
Antistrentococcus serum—	lycenid reared by, (31) 352. notes, (40) 259. of Great Britain, guide, (35) 262.
curative power, (31) 479.	of Great Britain, guide, (35) 262.
NUCLES, (20) 079.	Figiti (24) 556
curitive power, (31) 479. studies, (26) 579. tests, (32) 272. Antitetanic serum, efficacy of, (31) 379. Antithorophy, riefficacy of, (31) 379.	Gram, (27) 284. Haiti, (34) 550. Hawaii, (30) 759; (34) 59; (38) 557. Illinois, list, (22) 758. Indiana, list, (39) 768. South Carolina, (38) 768. Wisconsin, list, (39) 869. orientation of, (33) 563. Papers on. (27) 656.
Antithorombin, rôle in coagulation of blood, (26) 580.	Illinois, list, (28) 758.
Antitoxic-	Indiana, list, (39) 768.
rôle of oxhydridase, (40) 580.	South Carolina, (38) 768.
serum, concentration, (37) 376; (40) 287, 288. serum production, (40) 580.	orientation of, (33) 563.
substances, studies, (40) 179.	papers on, (27) 656.

```
Aphelinus-Continued.
                                                                                                                                                                                   European species, (30) 751.
fuscipennis, notes, (27) 556; (28) 159; (29) 758.
lapisligni n.sp., description, (37) 766.
lapisligni n.sp., feeding on juices of its host, (37) 856.
 Ants-Continued.
           pavement, as a pest of cold-frame and green-
house crops, (34) 657.
predacious on alfalfa caterpillar, (32) 58.
protecting acada trees in Central America, (37)
                                                                                                                                                                        mytilaspidis, studies, (37) 59.
spp., notes, (27) 152; (31) 356.
Aphelocoma cyanotis and its allies, (38) 556.
            queen, founding of colonies by, (31) 452. remedies, (31) 155; (32) 650; (38) 47. removal of onion seeds by, (35) 365.
removal of onion seeds by, (35) 365. studies, (28) 562. transmission of anthrax by, (26) 678. weather-proof bands for, (37) 59. white, see Termites. Yakman, as enemy of bees. (40) 358. yellow field, notes, (34) 752. Anuraphis spp., see Aphis. Anystis agilis, notes, (27) 861. Aonidia oleae n.sp., description, (32) 449. Aonidella—
                                                                                                                                                                        Aphelopus-
                                                                                                                                                                       Aphelopus—
dikraneuri n.sp., studies, (40) 205.
theliae n.sp., description, (39) 662.
Aphidencyrtus aspidioti—
brittanicus n.var., description, (35) 563.
n.sp., description, (35) 263.
notes, (38) 505.
                                                                                                                                                                        Aphididae-
                                                                                                                                                                                  hididae—
Cyrus Thomas collection, (30) 754
habits, (32) 849.
infesting sage brush in Oregon, (34) 3*7.
intermediates in, (35) 256.
leaf feeding, on pines, (36) 459.
notes, (38) 357.
of Africa, (39) 559.
California, (26) 149, 755; (27) 859; (28) 452;
(35) 56; (38) 260.
California, best under (26) 149, (28) 556.
 Aonidiella-
            aurantii, see Orange scale.
inopinata n sp., description, (33) 653.

Aorta in warm-blooded animals, size of, (28) 375.

Apache National Forest, composite type on, (29) 43.
Apamea basilinea, notes, (36) 552.
Apanteles-
            caja, notes, (31) 251.
canarsiae, notes, (36) 155.
congregatus, notes, (30) 59.
diacristae n.sp., description, (38) 165.
                                                                                                                                                                        (35) 56; (38) 260.

California, host index, (26) 119; (29) 556.
Indiana, (28) 554.
Italy, (38) 460.
Japan, (38) 463; (40) 262.
Java, (37) 850.
Labore, (40) 650.
Nebraska, (26) 655.
Portugal, (33) 748.
on apples in Great Britain, (36) 253.
sensory structures, (37) 850.
Aphidinae of Japan, new, (40) 60.
Aphidius—
             glomeratus-
                         notes, (38) 768.
            notes, (35) 708.
oviposition, (40) 263.
studies, (27) 459.
hyphantriae, notes, (27) 261.
impurus, notes, (29) 562.
in Nova Scotia, (33) 746.
              lacteicolor-
             lacteicolor—bionomics, (39) 661.
dispersion in New England, (33) 254.
in Maine, (37) 459.
notes, (27) 456.
lateralis, perasitic on bee moth, (26) 657.
                                                                                                                                                                        Aphidius-
                                                                                                                                                                                   brasiliensis n.sp., description, (30, 566.
brassicae, notes, (26) 149.
crepidis, notes, (31) 757.
nigripes, parasitic on grain louse, (26) 857.
obsoletus n.sp., description, (30) 758.
testacoines
             militaris
            militaris—
biology, (34) 455.
effect on army worm larvae, (35) 553.
n.sp., notes, (27) 159; (28) 752.
n.spp., descriptions, (26) 352; (29) 563; (30) 255;
(34) 456.
                                                                                                                                                                                     testaccipes
                                                                                                                                                                                                destructive to citrus plant lice, (26) 755.
                                                                                                                                                                        notes, (27) 859.

Aphidoletes meridionalis, studies, (35) 855.

Aphidolysin in plant lice, (40) 650.
(34) 456.
(Protopanteles) flavicombe, parasitic on alfalfa caterpillar, (32) 58.
sp., notes, (29) 256; (36) 655.
spp., parasitic on gipsy moth, (31) 652.
Apantesis argae, notes, (32) 753.
Apate francisca, notes, (36) 355.
Apatela populi, notes, (28) 156.
Apateticus spp., life histories, (35) 658.
Apatica
                                                                                                                                                                        Aphids-
                                                                                                                                                                                   alternation of generations, (28) 655.
alternation of hosts, (39) 464.
as fire blight carriers, (39) 251.
cat-tail as a summer host, (37) 461.
                                                                                                                                                                                   control-
                                                                                                                                                                                     by lady beetles, (34) 555; (39) 663.
in gardens, (39) 657.
dissemination of lettuce bacterial rot by, (31)
  Apatite-
             action of fertilizer salts on, (35) 326.
decomposition by soil bacteria and yeast, (31)
                                                                                                                                                                                          747.
                                                                                                                                                                                   747.
ceology, problems in, (35) 658.
endoparasitism in, (37) 54.
food plants of, (30) 854; (31) 157; (39) 657.
hemolysin in, (40) 650.
injurious in Georgia, (38) 256.
injurious to peas, (31) 452.
new or little known, of eastern United States,
(32) 880.
121.
deposits in Chile, (32) 723.
Apenhoneuro, studies, (34) 758.
Apenmen (Hadena) didyma (oculea), notes, (27) 552.
Apentalicus kotinskyi n.sp., notes, (29) 253.
Apera spica venti, germination as affected by light,
(30) 531.
                                                                                                                                                                                          (37) 850.
 Apes
                                                                                                                                                                                     new species from California, (39) 659.
  infection with avian tuberculosis, (26) 583.
morphology of blood, (28) 777.
Aphaenogaster barbara, notes, (27) 54.
                                                                                                                                                                                   nowly hatched, remedies, (35) 757.
nomenclature, (38) 462.
notes, (28) 60, 248; (29) 654, 854; (31) 155; (37)
sp., parasitic on locusts, (32) 60.
Aphalara n.sp., description, (40) 354.
Aphanomyces laevis, notes, (27) 544, 651, 728; (29) 647.
                                                                                                                                                                                   258.
Colorado, (33) 857.
Cregon, (34) 356.
Sapers on, (40) 250.
relation to fire blight, (34) 452; (37) 151, 157.
remedies, (31) 848; (37) 254, 256, 358; (35) 47, 56,
  Aphanurus bodkini n.sp., description, (31) 459.
  Aphelenchus-
Aphelenchus—
armerodis, notes, (34) 841.
n.spp., descriptions, (31) 56.
olesistus, description, (38) 52.
olesistus, otes, (28) 854.
ormerodis, notes, (37) 246.
ritsemabosi, notes, (34) 249.
spp., parasitism, (30) 648.
Aphelinines, synopsis, (30) 161.
Aphelinidea semifuscipennis, notes, (31) 752.
Aphelinoidea
                                                                                                                                                                                          159.
                                                                                                                                                                        tobacco treatment, (39) 461.
wing development, (40) 456.
Aphiochaeta—
                                                                                                                                                                                   ferruginea, relation to Asiatic cholera, (35) 258. juli, habits, (39) 457. perdita, parasitic on alfalfa caterpillar, (32) 58. xantina, notes, (36) 754.
                                                                                                                                                                        Aphis—abbreviata n.sp., description, (28) 60.
 Aphelinus-
             chrysomphali, notes, (38) 467.
diaspidis, parasitic on orange scale, (26) 554.
                                                                                                                                                                                               notes, (32) 57, 448.
outbreak in England and Ireland, (29) 757.
```

sevenae—	Aphis—Continued.	Aphis-Continued.
ni Maryland, (38) 144. injurious to spipes, (33) 263. motes, (31) 735. (32) 755 (30) 458; (40) 648. remedies, (38) 561. bakerl—see also Apple uphits. alleled species, (30) 465. brevis studies, (32) 755. brevisiphona n.sp., deserption, (31) 830. brassleae, see Calibines uphits. concil in sp., deserption, (20) 454. cersai, notes, (32) 651. cersain, injurious to apples, (26) 257. cratace, injurious to apples, (26) 257. studies, (30) 467. condin lap, deserption, (20) 252. hymenopierous parasites of, (31) 737. studies, (30) 467. foot in horses, notes, (20) 888. forbes!— notes, (20) 735. (27) 155. synonym of, (40) 734. synonym of, (40) 737. synonym of, (40) 737. grossulariae, notes, (27) 778; (30) 83. immunity to tessitic-orn hybrids, (38) 561. mald-malters, each of conton aphis and Melon spils. notes, (20) 735. (27) 155. synonym of, (40) 737. grossulariae, notes, (30) 487. synonym of, (40) 734. synonym of, (40) 735. synonym of, (40) 736. synonym of,	avenae— breeding experiments, (36) 253.	
Injunction of the creation of the control of the co	in Maryland, (38) 154.	woolly—see also Apple aphis, woolly.
remodus, (39, 30) is aphils.	injurious to apples, (33) 253.	as a pear pest, (34) 357.
remodus, (39, 30) is aphils.	notes, (31) 753; (32) 755; (36) 458; (40) 648.	identity, (34) 854.
allied species, (32) 465. httuberculate in sp., description, (31) 850. brassicae, ser Cathorse spiles. bravishpinon a. Sp., notes, (20) 454. cerasi, notes, (23) 261. cerasi, notes, (23) 261. cerasi, notes, (23) 261. encoyin, new genus for, (40) 650. circeandis, identity, (40) 754. cerasi, notes, (23) 261. euronymicand and properties identity, (30) 222. and A. properties, identity, (30) 222. and A. properties, identity, (30) 222. and A. properties, (31) 162. 754. foot in horses, notes, (20) 858. door in horses, notes, (20) 858. door in horses, notes, (20) 858. door in horses, notes, (20) 858. corbest— notes, (20) 755. (27) 1.55. synonym of, (40) 756. synonym of, (40) 756. with cerasing the corporation of the	remedies, (38) 501.	in core of apples, (30) 156.
bituberculata a. n.p., description, (31) 500. brassicae, ser Cubinuse applies. brevision nanaly, notes, (20) 454. cereasi, notes, (32) 651. chenopodii, new genus for, (40) 650. chenopodii, new genus for, (40) 650. chenopodii, new genus for, (40) 650. chenopodii, new genus for, (40) 263. cockii n.s.p., description, (20) 237. studies, (31) 652. folial field in the convergence of the convergen	allied species. (39) 465.	
brevis, studies, (22) 763. brevisly more and provided and	bituberculata n.sp., description, (31) 850.	mouth parts and suction mechanism in, (34)
reversiphona n.sp., totes, (39) 494. cerasi, notes, (32) 631. cheanyoddi, new filty, (40) 746. cookin n.sp., description, (20) 755. cratacet, injurious to apples, (28) 237. eggs. destruction with hydrocyanic acid gas, (39) 651. summynia. pappavaris, identity, (30) 252. hymenopicrous parasites of, (31) 757. studies, (31) 652, 755. fitchii, notes, (33) 554. cot in horses, notes, (29) 888. forbest— cot in horses, notes, (28) 887. cots, (20) 653; (33) 554. cottining, (20) 655; (27) 155. notes, (20) 655; (27) 156. respectively, (20) 644. vina development, (40) 456. sprosularita, nucles, (37) 778; (30) 58. himmunity of teosinto-corn hybrids, (38) 561. maidiractins, ucles, (37) 778; (30) 58. himmunity of teosinto-corn hybrids, (38) 561. maidiractins, ucles, (37) 778; (30) 58. himmunity of teosinto-corn hybrids, (38) 561. maidiractins, ucles, (37) 778; (30) 58. himmunity of teosinto-corn hybrids, (38) 561. maidiractins, ucles, (37) 778; (30) 58. himmunity of teosinto-corn hybrids, (38) 561. maidiractins, ucles, (37) 778; (30) 58. himmunity of teosinto-corn hybrids, (38) 561. maidiractins, ucles, (37) 778; (30) 58. himmunity of teosinto-corn hybrids, (38) 561. maidiractins, ucles, (37) 778; (30) 58. himmunity of teosinto-corn hybrids, (38) 561. maidiractins, sec ottor, (39) 156. recornection, (30) 157. neo-merican pacifica, n.var., description, (37) 167. neo-merican pacifica, n.var., description, (39) 25. pomorella n.sp, description, (38) 156. notes, (37) 254; (39) 762. pomi-mail, see Apple aphis, black. pomi-mail, see Apple aphis, black. pomi-mail, see Apple aphis, black. pomi-mail, see Apple aphis, (30) 567. sollies, (34) 622; (36) 766. pomi-mail, see Apple aphis, (30) 567. notes, (37) 254; (39) 762. studies, (34) 622; (36) 766. pomi-mail, see Apple aphis, (30) 567. notes, (32) 563; (33) 564. cottribudy d	brassicae, see Cannage apms.	
cheanpodil, raw genus for 190 00. circerands, identity, (40 02. cordateg., fulurious to apples, (26) 247. cgs. destruction with hydrocyanic acid gas, (30 551. cordateg., fulurious to apples, (26) 247. cgs. destruction with hydrocyanic acid gas, (30 551. cordateg., fulurious to apples, (26) 257. cgs. destruction with hydrocyanic acid gas, (30 551. cordateg., fulurious to apples, (26) 257. cgs. destruction with hydrocyanic acid gas, (30 551. cord in horse, acid service of the cord of	brevisiphona n.sp., notes, (20) 454.	256, 547.
circeands, identity, (40) 755. crataced, fultrious to applicate any condition of the condit	chenopodii, new genus for, (40) 650.	
relaser, injurious to applies, (28) 247. eggs, destruction with hydrocyanic neid gas, (30) 351. and the properties of th	circezandis, identity, (40) 754.	relation to Nectria ditissima, (39) 150.
eggs, destruction with nydrocyanic acid gas, (38) 361 pappaveris, identity, (30) 252 hymenopicrous parasites of, (31) 757. studies, (31) 625, 754. fotch in horses, notes, (20) 883. forbesi—— notes, (23) 553 (33) 554. anotes, (23) 553 (33) 554. gostylides, (38) 357. gostylides, (38) 357. gostylides, (38) 357. gostylides, (38) 367. gostylides, (38) 567. gostylides, (38) 568. gostylides, (38) 569. gostylides, (38) 569	cookii n.sp., description, (26) 755.	structure and biology, (28) 856.
enonymi— and A. papaveris, identity, (30) 252. hymenopierous parasites of, (31) 757. studies, (31) 637, 764. fitchii, notes, (33) 554. for bill cores, processing of the parasite of, (31) 757. studies, (33) 537. gossyili—see also Cotton aphis and Melon aphis. notes, (20) 755; (27) 155. synonym of, (40) 754. wing development, (40) 456. grossubariae, notes, (27) 785; (30) 53. himmunity of teosinte-corn hybrids, (38) 561. maidi-notes, (28) 186; (29) 252. malifoliae. in Nova Scotia, (38) 166. key for stem mothers, (39) 360. studies, (30) 367. noverleam petidica, n.var., description, (37) papaveris in northern France, (30) 251. persicae-nigor, see Peach aphis, black. plist, see Apple aphis, green. nomi, see Apple aphis, green. n.sp., description, (33) 253. prunfoliae, key for stem mothers, (39) 360. pseudobrassicae— n.sp., description, (31) 784. notes, (37) 254; (39) 762. studies, (40) 648. romedies, (39) 452; (38) 565. promonella n.sp., description, (28) 192. pseudobrassicae— n.sp., description, (31) 784. notes, (37) 254; (38) 765. notes, (37) 254; (38) 765. pulvarilens n.sp., description, (28) 192. pseudobrassicae— n.sp., description, (31) 784. notes, (37) 254; (38) 765. notes, (40) 648. romedies, (40) 649. rumicis— control, (40) 754. in Nova Scotia, (38) 166. notes, (40) 648. romedies, (38) 169. notes, (30) 567. scallae n.sp., notes, (33) 685. setariae, notes, (33) 283; (38) 561; (39) 567. scallae n.sp., notes, (33) 685. setariae, notes, (38) 263. promonella n.sp., notes, (33) 685. setariae, notes, (33	eggs, destruction with hydrocyanic acid gas,	(40) 165.
and A. papaveris, identity, (30) 252. hymenopicrous parasites of, (31) 757. studies, (31) 625, 754. fetchi, notes, (36) 535. forber-scales, (30) 653, (33) 554. studies, (33) 357. gossypil-see also Cotton aphis and Melon aphis. notes, (20) 755; (27) 156. synonym of, (40) 754. wing development, (40) 456. green, notes, (30) 457. grossulriate, notes, (27) 758; (30) 53. himmily of teositic-corn hybrids, (38) 561. madds, notes, (25) 155; (29) 252. malfoliac-in Nova Scotia, (38) 156. key for stem mothers, (39) 380. studies, (30) 367. notes, (25) 156; (26) 252. malfoliac-in Nova Scotia, (38) 156. key for stem mothers, (39) 380. studies, (30) 567. n. spp., description, (31) 157. neo-necienap pedica, n.var., description, (37) 362. papaveris in northern France, (30) 251. ppis, see Macrosiphum pisi, see Apple aphis, prence pomi-mail, see Apple aphis, green. pomi-mail, see Apple aphis, green	(36) 551.	
studies, (31) 682, 761. fatchi, notes, (33) 582. forbesi—	and A. papaveris, identity, (30) 252.	547.
foot in horses, notes, (28) 888. forbest— notes, (29) 653; (33) 554. studies, (38) 357. gossyih—see also Cotton aphis and Melon aphis. set also Cotton aphis and Melon aphis. synonym of, (40) 734. wing development, (40) 456. green, notes, (30) 437. grosularine, notes, (27) 758; (30) 53. himmily of teosinte-corn hybrids, (38) 551. maidirandens, secon root aphis. maidis, notes, (28) 188; (29) 262. maidiolis— in Nova Scotia, (38) 156. key for stem mothers, (39) 360. studies, (36) 367. himmily set Apple aphis, green. pomi-mail, see Apple aphis, peen. pomi-mail, see Apple aphis. peen	hymenopterous parasites of, (31) 757.	Aphrophora— parellela life history (26) 459
foot in horses, notes, (28) 888. forbest— notes, (29) 653; (33) 554. studies, (38) 357. gossyih—see also Cotton aphis and Melon aphis. set also Cotton aphis and Melon aphis. synonym of, (40) 734. wing development, (40) 456. green, notes, (30) 437. grosularine, notes, (27) 758; (30) 53. himmily of teosinte-corn hybrids, (38) 551. maidirandens, secon root aphis. maidis, notes, (28) 188; (29) 262. maidiolis— in Nova Scotia, (38) 156. key for stem mothers, (39) 360. studies, (36) 367. himmily set Apple aphis, green. pomi-mail, see Apple aphis, peen. pomi-mail, see Apple aphis. peen	fitchi, notes, (33) 554.	parallela, notes, (37) 255.
notes, (29) 633; (33) 554. studies, (38) 357. gossyili—see also Cotton aphis and Melon aphis. notes, (26) 755; (27) 155. synonym of, (40) 734. synonym of, (40) 735. grasularine, uotes, (27) 7763; (30) 53. immunity of tecsinto-corn hybrids, (38) 551. maidis, notes, (28) 158; (29) 252. malifoliae— in Nova Scotia, (38) 156. key for stem mothers, (39) 360. studies, (30) 357. n.spp., description, (31) 157. neo-inerdenia pacifica, n.var., description, (37) 562. papavers in northern France, (30) 251. papavers in northern France, (30) 251. papavers in northern France, (30) 255. pruni, remedies, (33) 355. pruni, remedies, (33) 355. pruni, remedies, (33) 355. pruni, remedies, (33) 355. pruni, remedies, (34) 355. pruni, remedies, (34) 355. prunifoliae, key for stem mothers, (39) 360. pseudoavenae n.sp., description, (39) 02. pseudoavenae n.sp., description, (39) 02. pseudovenae n.sp., description, (39) 03. pseudovenae n.sp., description, (39) 03. pseudovenae n.sp., description, (39) 03. pseudovenae n.sp., description, (39) 0	foot in horses, notes, (26) 888.	spumaria, notes, (30) 356.
studies, (38) 377. gossypin-see also Cotton aphis and Melon aphis. notes, (26) 755; (27) 155. synonyun (, (40) 734. wing development, (40) 456. green, notes, (38) 457. grossulariae, notes, (27) 783; (30) 53. immunity of technic-corn hybrids, (38) 561. middle moss, (28) 168; (29) 262. midfoline— in Nova Scotia, (38) 156. key for stem mothers, (39) 360. studies, (30) 357. n.spp., description, (31) 157. neo-mericana paedica, n.var., description, (37) 502. papaveris in northern France, (30) 251. persicae-nigor, see Feach aphis, black. plsi, see Macrosiphum pisi. pomi-mail, see Apple aphis, green. pomi-mail, see Apple aphis, promonella n.sp., description, (30) 253. pruni, remedies, (33) 452. studies, (44) 462; (35) 786. pulvarulens n.sp., description, (39) 762. studies, (40) 648. romedies, (30) 761. studies, (40) 648. romedies, (30) 761. studies, (40) 648. salicett and alled species, (30) 667. scalise n.sp, notes, (30) 845. searaice, notes, (33) 452. sorhi— alternate or summer host plants, (36) 462. in Maryland, (38) 164. notes, (33) 233; (35) 835; (36) 857; (40) 648. seanorizata n.sp., notes, (30) 465. sective, notes, (30) 465. sective, notes, (33) 452. sorhi— alternate or summer host plants, (36) 462. in Maryland, (38) 164. notes, (33) 233; (35) 835; (36) 857; (40) 648. sensorizata n.sp., notes, (30) 869. remedies, (30) 164. in history and remedies, (30) 251. pospodomic network produced in the produced produced in the produced produced in the produced		Aphthous fever, see Foot-and-mouth disease.
aphis. notes, (26) 755; (27) 155. synonym of, (40) 754. wing development, (40) 456. green, notes, (30) 437. grosularine, notes, (27) 758; (30) 53. immunity of teosinte-corn hybrids, (38) 561. madiradicis, see Coarn voot aphis. maidis, notes, (28) 169; (29) 252. malifoliae— in Nova Scotia, (38) 156. key for stem mothers, (39) 360. studias, (30) 357. n.spp., description, (31) 157. neo-inexicana pacifica, n.var., description, (37) 502. papaveris in northern France, (30) 251. persicae-nigor, see Feach aphis, black. pisi, see Macrosiphum pisi. pomi, see A pole sphis, peeca. pomi-mail, see A pole sphis, black. pisi, see Macrosiphum pisi. pomi, see A pole sphis, peeca. pomi-mail, see A pole sphis, black. pomi, see A pole sphis, peeca. pomi-mail, see A pole sphis, black. pomi, see A pole sphis, peeca. pomi-mail, see A pole sphis, black. pomi, see A pole sphis, peeca. pomi-mail, see A pole sphis, black. pomi, see A pole sphis, peeca. pomi-mail, see A pole sphis, black. pomi, see A pole sphis, peeca. pomi-mail, see A pole sphis, black. pomi, see	studies. (38) 357.	Aphycoideus 10, notes, (36) 556.
notes, (36) 755; (27) 185. synonyun of, (40) 754. wing development, (40) 456. green, notes, (36) 437. grossulariae, notes, (27) 778; (30) 53. immunity of teosinte-corn hybrids, (38) 561. maidir-ndies, see Corn root alphis. maidis, notes, (28) 185; (29) 282. mailfoliae— in Nova Scotia, (38) 166. key for stem mothers, (39) 360. studies, (30) 351. formiciama pedifica, n.var., description, (37) 502. papavoris in northern France, (30) 251. persicae-nigor, see Peach aphis, black. position, (38) 757. positional, see Apple aphis, green. pomi-mail, see Apple aphis, green. pomi-mail, see Apple aphis, green. pomi-mail, see Apple aphis, preen. pomi-mail, see Apple aphis, preen. pomi-mail, see Apple aphis, promonella n.sp., description, (30) 223. pruni, remedies, (33) 555. prunifoliae, key for stem mothers, (39) 360. pseudobrassicae— n.sp., description, (31) 754. notes, (37) 284; (39) 762. studies, (40) 624. in Maryland, (38) 184. in Nova Scotia, (38) 186. notes, (40) 689. runicles— control, (20) 754. in Maryland, (38) 186. notes, (40) 689. runicles— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 2849. host plants and habits, (32) 2849. host plants and habits, (32) 849. host plants and habits, (32) 849. host plants of, (38) 567. scalae n.sp., notes, (31) 568. sensoriata n.sp., notes, (31) 568. sensoriata n.sp., notes, (33) 567. aliernate or summer host plants, (35) 462. sorhi— alternate or summer host plants, (35) 462. in Maryland, (38) 1842. sorhi— alternate or summer host plants, (35) 462. in Maryland, (38) 1842. sorhi— alternate or summer host plants, (35) 462. in Maryland, (38) 1844. ille history and remedies, (30) 267; host plants and habits, (32) 849. host pl		Apnyous— flavus, parasitic on black scale, (26) 556.
wing (levelophicalt, (al) 450. green, notes, (36) 437, 7658; (30) 53. immunity of teosinet-corn hybrids, (38) 561. maidiradies, see Corn root aphis. maidis, notes, (23) 186; (23) 252. malifoliae— in Nova Scotia, (38) 156. key for stem mothers, (39) 380. studies, (30) 361, 157. n.spp., description, (31) 157. n.spp., description, (31) 157. neo-ineviacan pacifica, n.var., description, (37) 562. papavoris in northern France, (30) 251. persicae-nigor, see Feach aphis, black. pist, see Macrosiphum pist. pomi, see Apple aphis, green. pomi-mail, see Apple aphis, green. pomi-mail, see Apple aphis, green. pomi-mail, see Apple aphis. pomonella n.sp., description, (30) 253. pruni, remedies, (33) 355. prunifoliae, key for stem mothers, (33) 360. pseudovenae n.sp., description, (30) 62. prosy— control, (40) 754. in Maryland, (38) 156. notes, (40) 764. in Nova Scotia, (38) 165. notes, (40) 649. rumicls— control, (20) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. host plants and habits, (33) 855. sensita n.sp., notes, (33) 856. alicetian dilied species, (30) 857. scallae n.sp., notes, (33) 858. sensoriata n.sp., notes, (33) 858. se	notes, (26) 755; (27) 155.	hesperidum n.sp., description, (38) 467.
maidis, notes, (28) 168; (29) 262. mailfoliae— in Nova Scotia, (38) 156. key for stem mothers, (39) 360. studies, (36) 337. n.spp., description, (31) 157. neo-mericana paelidea, n.var., description, (37) 562. papaveris in northern France, (30) 251. persicae-nigar, see Peach aphis, black. pisi, see Macrosiphum pisi. pomi, see Apple aphis, green. pomi-mail, see Apple aphis, green. pomi-mail, see Apple aphis, green. pomi-mail, see Apple aphis, presn. promi-mail, see Apple aphis, presn. promi-mail, see Apple aphis, presn. promi-mail, see A	synonym of, (40) 754.	melanostomatus, studies, (40) 651.
maidis, notes, (28) 168; (29) 262. mailfoliae— in Nova Scotia, (38) 156. key for stem mothers, (39) 360. studies, (36) 337. n.spp., description, (31) 157. neo-mericana paelidea, n.var., description, (37) 562. papaveris in northern France, (30) 251. persicae-nigar, see Peach aphis, black. pisi, see Macrosiphum pisi. pomi, see Apple aphis, green. pomi-mail, see Apple aphis, green. pomi-mail, see Apple aphis, green. pomi-mail, see Apple aphis, presn. promi-mail, see Apple aphis, presn. promi-mail, see Apple aphis, presn. promi-mail, see A	green, notes, (36) 457.	n.spp., descriptions, (35) 857.
maidis, notes, (28) 168; (29) 262. mailfoliae— in Nova Scotia, (38) 156. key for stem mothers, (39) 360. studies, (36) 337. n.spp., description, (31) 157. neo-mericana paelidea, n.var., description, (37) 562. papaveris in northern France, (30) 251. persicae-nigar, see Peach aphis, black. pisi, see Macrosiphum pisi. pomi, see Apple aphis, green. pomi-mail, see Apple aphis, green. pomi-mail, see Apple aphis, green. pomi-mail, see Apple aphis, presn. promi-mail, see Apple aphis, presn. promi-mail, see Apple aphis, presn. promi-mail, see A	grossulariae, notes, (27) 758; (30) 53.	spp., notes (20) 654; (33) 555.
malifoliae— in Nova Scotla, (38) 156. key for stem mothers, (39) 360. studies, (36) 367. n.spp., description, (31) 157. neo-inexicana pacifica, n.var., description, (37) 502. papaveris in northern France, (30) 251. persicae-nigor, see Peach aphis, black. pisi, see Macrosiphum pisi. pomi, see Apple aphis, green. pomi-mali, see Apple aphis. pomonella n.sp., description, (36) 253. prunifoliae, key for stem mothers, (30) 360. pseudowrenae n.sp., description, (39) 62. pseudobrassicae— n.sp., description, (31) 754. nofes, (37) 254; (39) 762. studies, (34) 462; (35) 756. pulverulens n.sp., description, (39) 62. rosy— control, (40) 754. in Maryland, (33) 154. in Nova Scotla, (33) 154. in Nova Scotla, (33) 155. notes, (40) 649. rumicls— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. host plants of, (33) 257. notes, (28) 556; (35) 54. on artichoka, (40) 68. salieeti and allied spedes, (39) 657. scallae n.sp., notes, (33) 452. sorb!— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (32) 253; (38) 563; (36) 567; (40) 648. remedies, (33) 253; (38) 563; (36) 567; (40) 648. setseriae, notes, (33) 452. sorb!— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (32) 253; (38) 563; (36) 567; (40) 648. predatory enemy of, (30) 459, remedies, (32) 253; (38) 561; (39) 760, 761. studies, (40) 649. remedies, (33) 452. sorb!— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (32) 253; (38) 563; (36) 567; (40) 648. predatory enemy of, (30) 459, remedies, (32) 253; (38) 561; (39) 760, 761. studies, (40) 649. rumicls— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 261. notes, (32) 263; (38) 563; (38) 567. sorb!— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 261. notes, (32) 263; (35) 563; (36) 567; (40) 648. predatory enemy of, (3	maidi-radicis, see Corn root apins.	Aphymatics monapenensis, analyses, (ob) 200.
Massachusetts, (27) 352; (32) 556; (35) 662; papaveris in northern France, (30) 251. persicae-niger, see Peach aphis, black. pisi, see Macrosiphum pisi. pomi, see Apple aphis, green. pomi-mali, see Apple aphis, green. pomi-mali, see Apple aphis, pruni, remedies, (33) 555. pruni, remedies, (33) 555. pruni, remedies, (33) 555. pruni premedies, (33) 555. pruni premedies, (33) 555. prunifoliae, key for stem mothers, (39) 360. pseudobrassicae— n.sp., description, (31) 754. notes, (37) 244; (39) 762. studies, (34) 452; (35) 756. pulverulens n.sp., description, (28) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (38) 156. notes, (40) 649. runicles— control, (29) 454; (34) 555, 755; (39) 256. host plants of, (33) 557. notes, (28) 556; (35) 540. predatory enemy of, (30) 465. setariae, notes, (31) 484. sensoriate n.sp., notes, (31) 484. sensoriate n.sp., notes, (39) 465. setariae, notes, (33) 452. sorb— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 585; (36) 567; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 5601; (39) 760, 761. studies, (40) 649.	maidis, notes, (28) 158; (29) 252.	Apiaries, inspection—
Massachusetts, (27) 352; (32) 556; (35) 662; papaveris in northern France, (30) 251. persicae-niger, see Peach aphis, black. pisi, see Macrosiphum pisi. pomi, see Apple aphis, green. pomi-mali, see Apple aphis, green. pomi-mali, see Apple aphis, pruni, remedies, (33) 555. pruni, remedies, (33) 555. pruni, remedies, (33) 555. pruni premedies, (33) 555. pruni premedies, (33) 555. prunifoliae, key for stem mothers, (39) 360. pseudobrassicae— n.sp., description, (31) 754. notes, (37) 244; (39) 762. studies, (34) 452; (35) 756. pulverulens n.sp., description, (28) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (38) 156. notes, (40) 649. runicles— control, (29) 454; (34) 555, 755; (39) 256. host plants of, (33) 557. notes, (28) 556; (35) 540. predatory enemy of, (30) 465. setariae, notes, (31) 484. sensoriate n.sp., notes, (31) 484. sensoriate n.sp., notes, (39) 465. setariae, notes, (33) 452. sorb— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 585; (36) 567; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 5601; (39) 760, 761. studies, (40) 649.		57; (85) 53; (37) 254; (39) 760.
Massachusetts, (27) 352; (32) 556; (35) 662; papaveris in northern France, (30) 251. persicae-niger, see Peach aphis, black. pisi, see Macrosiphum pisi. pomi, see Apple aphis, green. pomi-mali, see Apple aphis, green. pomi-mali, see Apple aphis, pruni, remedies, (33) 555. pruni, remedies, (33) 555. pruni, remedies, (33) 555. pruni premedies, (33) 555. pruni premedies, (33) 555. prunifoliae, key for stem mothers, (39) 360. pseudobrassicae— n.sp., description, (31) 754. notes, (37) 244; (39) 762. studies, (34) 452; (35) 756. pulverulens n.sp., description, (28) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (38) 156. notes, (40) 649. runicles— control, (29) 454; (34) 555, 755; (39) 256. host plants of, (33) 557. notes, (28) 556; (35) 540. predatory enemy of, (30) 465. setariae, notes, (31) 484. sensoriate n.sp., notes, (31) 484. sensoriate n.sp., notes, (39) 465. setariae, notes, (33) 452. sorb— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 585; (36) 567; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 5601; (39) 760, 761. studies, (40) 649.	key for stem mothers, (39) 360.	Colorado, (30) 249; (31) 254; (34) 651.
Massachusetts, (27) 352; (32) 556; (35) 662; papaveris in northern France, (30) 251. persicae-niger, see Peach aphis, black. pisi, see Macrosiphum pisi. pomi, see Apple aphis, green. pomi-mali, see Apple aphis, green. pomi-mali, see Apple aphis, pruni, remedies, (33) 555. pruni, remedies, (33) 555. pruni, remedies, (33) 555. pruni premedies, (33) 555. pruni premedies, (33) 555. prunifoliae, key for stem mothers, (39) 360. pseudobrassicae— n.sp., description, (31) 754. notes, (37) 244; (39) 762. studies, (34) 452; (35) 756. pulverulens n.sp., description, (28) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (38) 156. notes, (40) 649. runicles— control, (29) 454; (34) 555, 755; (39) 256. host plants of, (33) 557. notes, (28) 556; (35) 540. predatory enemy of, (30) 465. setariae, notes, (31) 484. sensoriate n.sp., notes, (31) 484. sensoriate n.sp., notes, (39) 465. setariae, notes, (33) 452. sorb— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 585; (36) 567; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 5601; (39) 760, 761. studies, (40) 649.	n.spp., description, (31) 157.	lowa, (37) 467.
papaveris in northern France, (30) 251. persicae-niger, see Peach aphis, black. pisi, see Macrosiphum pisi. pomi, see Apple aphis, peem. pomi-mali, see Apple aphis, peem. pomi-mali, see Apple aphis, peom. pomi-mali, see Apple aphis, pomonella n.sp., description, (36) 253. pruni, remedies, (33) 555. prunifoliae, key for stem mothers, (30) 360. pseudovrassicae— n.sp., description, (39) 62. pseudobrassicae— n.sp., description, (31) 754. notes, (37) 254; (39) 762. studies, (34) 452; (35) 756. pulverulens n.sp., description, (26) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (38) 156. notes, (40) 648. remedies, (30) 761. studies, (40) 649. runicis— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. no artichoke, (40) 68. saliceti ant allied species, (30) 657. scallae n.sp., notes, (31) 848. sensoriata n.sp., notes, (31) 848. sensoriata n.sp., notes, (33) 452. sorbi— alternate or summer host plants, (35) 462. in Maryland, (38) 154. iife history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 851; (39) 760, 761. studies, (40) 649. remedies, (33) 253; (38) 851; (39) 760, 761. studies, (40) 649. remedies, (33) 456. apprendiction, (35) 555. supplies from olive scale, (26) 655. Aplonomics, (36) 647. notes, (37) 767. Ontario, (27) 458. Pennsylvain, (37) 255; (39) 869. Rhode Island, (27) 459; (30)	neo-inexicana pacinca, n.var., description, (51)	Kansas, (33) 153; (37) 357.
persicae-nigor, see Peach aphis, black. post, see Macrosiphum pist. pomi, see Apple aphis, green. pomi-mali, see Apple aphis. pomonella n.sp., description, (36) 253. pruni, remedies, (33) 555. prunifoliae, key for stem mothers, (39) 360. pseudowrane n.sp., description, (30) 62. pseudowrane n.sp., description, (30) 62. pseudowrane n.sp., description, (31) 754. notes, (37) 254; (39) 762. studies, (34) 452; (35) 756. pulverulens n.sp., description, (26) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (38) 156. notes, (40) 648. romedies, (39) 761. studies, (40) 649. runicis— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. host plants and habits, (32) 849. host plants of, (33) 557. notes, (28) 556; (35) 54. on artichoke, (40) 58. saliceti and allied species, (30) 657. scaliae n.sp., notes, (31) 848. sensoriata n.sp., notes, (39) 465. setariae, notes, (38) 562. sorbi— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 235; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (30) 251. notes, (31) 262. Aplogaraksis fuligulosa n.sp., description, (26) 561. Aplocal summer, (30) 644. Aplogaraksis fuligulosa n.sp., description, (26) 561. Aplocal summer, (30) 644. Apodemus sylvaticus, notes, (37) 856. Apocenus sylvaticus, notes, (37) 856. Apodemus sylvaticus,		(37) 855.
pomi, see Apple aphis, green. pomi-mali, see Apple aphis. pomonella n.sp., description, (36) 253. pruni/temedies, (33) 555. prunifoliae, key for stem mothers, (39) 360. pseudovenae n.sp., description, (30) 62. pseudovenae n.sp., description, (30) 62. pseudovenae n.sp., description, (31) 754. notes, (37) 254; (39) 762. studies, (34) 452; (35) 756. pulvorulens n.sp., description, (26) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (38) 156. notes, (40) 648. remedies, (30) 761. studies, (40) 649. remicls— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. host plants of, (33) 557. notes, (28) 556; (35) 54. on artichoke, (40) 58. saliceti and allied species, (30) 657. scaliae n.sp., notes, (31) 848. sensorieta n.sp., notes, (30) 251. notes, (33) 353; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (30) 253. prunifoliae, key for stem mothers, (39) 360. pseudovenae n.sp., description, (30) 647. studies, (40) 649. predatory enemy of, (30) 251. notes, (33) 353; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (35) 853; (36) 357; (40) 648. Apolemus sylvaticus, notes, (37) 856. Apocellus sphaericollis, studies, (30) 89. Rhode Island, (27) 857. Wisconsin, (37) 285. law in Tennessee, (27) 756. hyliculture, see Beekeeping. Aplochate albidihalteris, notes, (27) 657. Aplon— hibisel, studies, (40) 754. spp., notes, (31) 848. spp., notes, (31) 848. spp., notes, (31) 848. spp., notes, (31) 848. spp., notes, (32) 855. Aplosporium eleae, parasitic on olive scale, (26) 655. Aplospora camtospora, notes, (38) 550. Apiospora camtospora, notes, (38) 550. Apiospora camtospora, notes, (38) 550. Apiospora camtospora, notes, (38) 264. indica, domestation, (37) 855. mellifera, see Beese. Apiospora camtospora, notes, (38) 647. occurrence in Montana, (38) 249. michiganense, description, (30) 647. occurrence in Montana, (38) 249. Apiospora	persicae-niger, see Peach aphis, black.	Michigan, (27) 767.
pomonella n.sp., description, (38) 253. pruni remedies, (33) 555. prunifoliae, key for stem mothers, (39) 360. pseudovenae n.sp., description, (39) 02. pseudobrassicac— n.sp., description, (31) 754. notes, (37) 254; (39) 762. studies, (34) 452; (35) 756. pulverulens n.sp., description, (26) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (38) 156. notes, (40) 648. remedies, (39) 761. studies, (40) 649. runicis— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. nores, (28) 556; (35) 54. on artichoke, (40) 68. saliceti and allied species, (39) 657. scaliae n.sp., notes, (31) 848. sensoriata n.sp., notes, (31) 848. sensoriata n.sp., notes, (31) 848. sensoriata n.sp., notes, (38) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. preadory enemy of, (30) 459. remedies, (33) 253; (38) 851; (39) 760, 761. studies, (40) 649. remedies, (33) 253; (38) 8561; (39) 760, 761. studies, (40) 649. Provincial remedies, (30) 251. notes, (31) 348. Aplogants remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. Approparks fullgulosa n.sp., description, (26) 561. Aploamus sylvaticus, notes, (37) 856. Approparks fullgulosa n.sp., description, (26) 561. Approparks fullgulosa n.sp., de	pomi, see Apple aphis, green.	Pennsylvania, (37) 459; (39) 869.
prunifoliae, Key for stem mothers, (39) 360. pseudobrassicae— n.sp., description, (31) 754. notes, (37) 254; (39) 762. studies, (34) 452; (35) 756. pulvarulens n.sp., description, (26) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (33) 156. notes, (40) 648. remedies, (30) 761. studies, (40) 848. remedies, (30) 761. studies, (40) 849. host plants and habits, (32) 849. saliceti and allied species, (30) 657. scaliae n.sp., notes, (31) 848. sensoriate n.sp., notes, (31) 848. sensoriate n.sp., notes, (31) 848. sensoriate n.sp., notes, (33) 456. setariae, notes, (33) 452. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 233; (35) 853; (36) 357; (40) 648. preadcory enemy of, (30) 459. remedies, (33) 253; (38) 851; (39) 760, 761. studies, (40) 649. remedies, (33) 452. (36) 357; (40) 648. Appearsus silvaticus, notes, (37) 856. apichaeta albidihalteris, notes, (27) 657. Apichaeta albidihalteris, notes, (27) 657. Apichaeta albidihalteris, notes, (28) 555. spp. inturious to alialist, (33) 555. spp. interious to alialist, (33) 564. indica, domestication, (37) 855. nellifera, see Boes. Aplaenbacter—agropyri—insp., description, (36) 647. nocurrence in Montana, (38) 249. note	pomi-mali, see Apple aphis.	Rhode Island, (27) 857.
prunifoliae, Key for stem mothers, (39) 360. pseudobrassicae— n.sp., description, (31) 754. notes, (37) 254; (39) 762. studies, (34) 452; (35) 756. pulvarulens n.sp., description, (26) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (33) 156. notes, (40) 648. remedies, (30) 761. studies, (40) 848. remedies, (30) 761. studies, (40) 849. host plants and habits, (32) 849. saliceti and allied species, (30) 657. scaliae n.sp., notes, (31) 848. sensoriate n.sp., notes, (31) 848. sensoriate n.sp., notes, (31) 848. sensoriate n.sp., notes, (33) 456. setariae, notes, (33) 452. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 233; (35) 853; (36) 357; (40) 648. preadcory enemy of, (30) 459. remedies, (33) 253; (38) 851; (39) 760, 761. studies, (40) 649. remedies, (33) 452. (36) 357; (40) 648. Appearsus silvaticus, notes, (37) 856. apichaeta albidihalteris, notes, (27) 657. Apichaeta albidihalteris, notes, (27) 657. Apichaeta albidihalteris, notes, (28) 555. spp. inturious to alialist, (33) 555. spp. interious to alialist, (33) 564. indica, domestication, (37) 855. nellifera, see Boes. Aplaenbacter—agropyri—insp., description, (36) 647. nocurrence in Montana, (38) 249. note	pruni, remedies, (33) 555.	law in Tennessee, (27) 756.
pseudobrassicae— notes, (37) 254; (39) 762. studies, (34) 452; (35) 756. pulvorulens n.sp., description, (26) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (33) 156. notes, (40) 649. romedies, (39) 761. studies, (40) 649. runicls— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. host plants of, (33) 557. notes, (28) 556; (35) 54. on artichoke, (40) 58. saliceti and allied species, (30) 657. scalae n.sp., notes, (31) 848. sensoriata n.sp., notes, (31) 848. sensoriata n.sp., notes, (31) 848. sensoriate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. studies, (40) 649. Apionariatic notes, (27) 856. Apionious to alididateris, notes, (28) 555. Apionine, notes, (28) 555. Apiospora camtospora, notes, (38) 550. Apiosporium oleae, parasitic on olive scale, (26) 655. Apiosporium oleae, parasitic on olive scale, (26)	prunifoliae, key for stem mothers, (30) 360.	record system for, (33) 862.
n.sp., description, (31) 754. notes, (37) 254; (39) 752. studies, (34) 452; (35) 756. pulverulens n.sp., description, (26) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (38) 156. notes, (40) 648. romedies, (30) 761. studies, (40) 649. romicis— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. host plants and solits, (32) 849. host plants ensp., notes, (31) 848. sensoriata n.sp., description, (30) 647. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (30) 253; (35) 853; (36) 357; (40) 648. studies, (40) 649. remedies, (30) 258; (38) 561; (39) 760, 761. studies, (40) 649. remedies, (33) 253; (38) 851; (39) 760, 761. studies, (40) 649. Apolemus sylvaticus, notes, (37) 855. aplinines, notes, (28) 555. Aploinine, notes, (28) 555. Aploinine, notes, (27) 856. Aplosporium cleae, parasitic on olive scale, (26) 655, nellifera, see Bees. Aplomedies, (30) 264. indica, domesticn, occurrence in Montana, (38) 249. michiganense, description, (30) 647. notes, (34) 349. stewart incomb, studies, (40) 846. Aplogenza sulting scale, (40) 646. Apolemus sylvaticus, notes, (27) 651. Aplocalius sphaericillis, studies, (40) 754. spp. injurious to alfalfa, (33) 555. Aploinine, notes, (27) 585. Aplospora camtospora, notes, (28) 550. Apiospora camtospora, notes		Apiochaeta albidihalteris, notes, (27) 657.
studies, (34) 452; (35) 756. pulverulens n.sp., description, (26) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (38) 156. notes, (40) 648. romedies, (30) 761. studies, (40) 649. runicis— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. host plants of, (33) 557. notes, (28) 556; (35) 54. on artichoke, (40) 58. saliceti and allied species, (30) 657. scallae n.sp., notes, (31) 848. sensoriate n.sp., notes, (31) 848. sensoriate n.sp., notes, (31) 848. sensoriate n.sp., notes, (39) 465. setariae, notes, (33) 452. rin Maryland, (38) 154. in fehistory and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. remedies, (33) 561; (39) 760, 761. studies, (40) 649. remedies, (33) 563: (38) 561; (39) 760, 761. studies, (40) 649. remedies, (33) 563: (38) 561; (39) 760, 761.	n.sp., description, (31) 754.	Apion-
pulvarulens n.sp., description, (28) 149. rosy— control, (40) 754. in Maryland, (38) 154. in Nova Scotia, (33) 156. notes, (40) 649. runicls— control, (29) 454; (34) 555, 755; (39) 256. host plants of, (32) 857. notes, (23) 556; (38) 567. notes, (28) 556; (38) 587. notes, (38) 458. salicet and allied species, (39) 657. salice ansp., notes, (31) 848. sensoriata n.sp., notes, (38) 465. setariac, notes, (38) 452. sorhi— nightanens, description, (30) 539; (31) 745. notes, (34) 349. stewart n.comb., studies, (40) 646. Aplocantia, revision, (39) 759. Aploparpus clilatus, occurrence of barium in (26) 432. Aplogaraksis fuligulosa n.sp., description, (26) 561. Apocellus sphaericallis, studies, (38) 663. Apoceynum, rubber from, (30) 614. Apodemus sylvaticus, notes, (37) 68.	studies, (34) 452; (35) 756,	spp. injurious to alfalfa, (33) 555.
in Maryland, (38) 154. in Nova Scotia, (33) 156. notes, (40) 648. romedies, (30) 761. studies, (40) 649. rumicls— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. host plants and habits, (32) 849. host plants (33) 557. notes, (23) 556; (35) 54. on artichoke, (40) 58. salicet and allied species, (30) 657. scaliae n.sp., notes, (31) 848. sensoriata n.sp., notes, (39) 465. setariae, notes, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 456. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. studies, (40) 649. Aplogarates antespora, notes, (38) 502. Aplosprium cleae, parasitic on olive scale, (26) 655, Aplosprium cleae, parasitic o	pulverulens n.sp., description, (26) 149.	spp., notes. (31) 848.
in Maryland, (38) 154. in Nova Scotia, (33) 156. notes, (40) 648. romedies, (30) 761. studies, (40) 649. rumicls— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. host plants and habits, (32) 849. host plants (33) 557. notes, (23) 556; (35) 54. on artichoke, (40) 58. salicet and allied species, (30) 657. scaliae n.sp., notes, (31) 848. sensoriata n.sp., notes, (39) 465. setariae, notes, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 456. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. studies, (40) 649. Aplogarates antespora, notes, (38) 502. Aplosprium cleae, parasitic on olive scale, (26) 655, Aplosprium cleae, parasitic o		Apioninge, notes, (27) 863.
notes, (40) 648. remedies, (30) 761. studies, (40) 649. rumicls— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. host plants of, (33) 557. notes, (28) 556; (35) 54. on artichoke, (40) 58. saliceti and allied species, (39) 657. scallae n.sp., notes, (31) 848. sensoriata n.sp., notes, (39) 465. setariae, notes, (38) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. studies, (40) 649. remedies, (33) 263; (38) 561; (39) 760, 761. studies, (40) 649. remedies, (33) 263; (38) 561; (39) 760, 761.	in Maryland, (38) 154.	A prospora camtospora, notes, (38) 550.
remedies, (39) 761. studies, (40) 649. rumicls— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. host plants of, (33) 557. notes, (28) 556; (35) 54. on artichoke, (40) 58. saliceti and allied species, (30) 657. scaliae n.sp., notes, (31) 848. sensoriata n.sp., notes, (31) 848. sensoriata n.sp., notes, (33) 465. setariae, notes, (33) 452. sorbi— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. s	notes, (40) 648.	
rumicls— control, (29) 454; (34) 555, 755; (39) 256. host plants and habits, (32) 849. host plants of, (33) 557. notes, (28) 556; (35) 54. on artichoke, (40) 58. saliceti and allied species, (30) 657. scallae n.sp., notes, (31) 848. sensoriate n.sp., notes, (33) 465. setariae, notes, (33) 452. sorbi— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. studies, (40) 649. Apolegnaksis fuligulosa n.sp., description, (26) 561. Apocellus sphaericollis, studies, (33) 563. Apocenum, rubber from, (30) 614. Apodemus sylvaticus, notes, (37) 56.	remedies, (30) 761.	fasciata, bionomics, (38) 264.
control, (29) 454; (34) 555, 785; (39) 256. host plants and habits, (32) 849. host plants of, (33) 587. notes, (28) 556; (35) 54. on artichoke, (40) 58. saliceti and allied species, (30) 657. scaliae n.sp., notes, (31) 848. sensoriata n.sp., notes, (31) 848. sensoriata n.sp., notes, (39) 465. setariae, notes, (33) 452. sorhi— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. stewarts n.comb, studies, (40) 846. Aplogaraksis fuligulosa n.sp., description, (26) 561. Apiculas mutica, notes, (28) 361. Apocellus sphaericollis, studies, (33) 683. Apocynum, rubber from, (30) 614. Apodemus sylvaticus, notes, (37) 156.		
host plants of, (33) 557. notes, (28) 556; (35) 54. on artichoke, (40) 58. saliceti and allied species, (39) 657. scallae n.sp., notes, (31) 848. sensoriata n.sp., notes, (38) 465. setariace, notes, (33) 452. sorbi— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. studies, (40) 649. Aplographus cliatus, occurrence of barium in (26) 432. Aplographus cliatus, occurrence of barium in (26) 432. Aplographus cliatus, occurrence of barium in (26) 432. Aplographus cliatus, occurrence from, (30) 644. Apodemus sylvaticus, notes, (37) 563. Apodemus sylvaticus, notes, (37) 565. Apodemus sylvaticus, notes, (37) 565. Apodemus sylvaticus, notes, (37) 565.	control, (29) 454; (34) 555, 755; (39) 256.	Aplanobacter—
on articoxes, (40) 58. salicet and allied species, (30) 657. scaliae n.sp., notes, (31) 448. sensoriata n.sp., notes, (32) 465. setariae, notes, (33) 462. sorbi— alternate or summer host plants, (35) 462. in Maryland, (38) 154. in fe history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predetory enemy of, (30) 456. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. studies, (40) 649. Aploparaksis fuligulosa n.sp., description, (26) 561. Aploaraksis fuligulosa n.sp., description, (27) 561. Aploaraksis fuligulosa n.sp., description, (28) 262. Aploaraksis fuligulosa n.sp., description, (28) 263. Aploaraksis fuligulosa n.sp.,	host plants and habits, (32) 849.	n.sv., description, (36) 647.
scaliae n.sp., notes, (31) 848. sensoriate n.sp., notes, (39) 465. setariae, notes, (33) 452. sorbi— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. studies, (40) 649. Aploparaksis fuligulosa n.sp., description, (26) 561. Apluda mutica, notes, (26) 361. Apocellus sphaericollis, studies, (33) 563. Apocenus spivatious, notes, (37) 156. Apodemus spivatious, notes, (37) 156. Apodemus spivatious, notes, (37) 156. Apodemus spivatious, notes, (37) 156.	notes, (28) 556; (35) 54.	occurrence in Montana, (38) 249.
scaliae n.sp., notes, (31) 848. sensoriate n.sp., notes, (39) 465. setariae, notes, (33) 452. sorbi— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. studies, (40) 649. Aploparaksis fuligulosa n.sp., description, (26) 561. Apluda mutica, notes, (26) 361. Apocellus sphaericollis, studies, (33) 563. Apocenus spivatious, notes, (37) 156. Apodemus spivatious, notes, (37) 156. Apodemus spivatious, notes, (37) 156. Apodemus spivatious, notes, (37) 156.	on artichoke, (40) 58. soliceti and allied species. (39) 657.	ráthavi
setariae, notes, (33) 452. sorhi— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. studies, (40) 649. Apploappus ciliatus, occurrence of barium in (26) 432. Aploparaksis fuligulosa n.sp., description, (26) 561. Appluda mutica, notes, (26) 361. Apocellus sphaericollis, studies, (33) 563. Apocynum, rubber from, (30) 614. Apodemus spivaticus, notes, (37) 156. Apodemus spivaticus, notes, (37) 156. Apodemus spivaticus, notes, (37) 61. Apodemus spivaticus, notes, (37) 61.	scaliae n.sp., notes, (31) 848.	n.sp., description, (30) 539; (31) 745.
sorhi— alternate or summer host plants, (35) 462. in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predetory enemy of, (30) 456. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. studies,	sensoriata n.sp., notes, (39) 465.	stewarti n.comb., studies, (40) 846.
in Maryland, (38) 154. life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. studies, (40) 649. Apogenus sylvaticus, notes, (37) 156.	sorhi—	ADIOGODEIS, TEVISION, (39) (09.
life history and remedies, (30) 251. notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (32) 253; (38) 561; (39) 760, 761. studies, (40) 649. sorghi, notes, (27) 53. spp., injurious to cotton, (27) 454. spp., notes, (28) 262, 254, 665, 854; (29) 454; (31) 755. Aplogaraksis fuligulosa n.sp., description, (26) 561. Aplode muticu, notes, (30) 361. Apodemus sylvaticus, notes, (37) 156. Apomecyna binubila, notes, (27) 25; (32) 347 Apophyllite— extraction of potash from, (27) 323. fertilizing value. (27) 725.	alternate or summer host plants, (35) 462.	Apiopappus cilialus, occurrence di barium in (26)
notes, (33) 253; (35) 853; (36) 357; (40) 648. predatory enemy of, (30) 459. remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. sorghi, notes, (27) 53. spp., injurious to cotton, (27) 454. spp., notes, (28) 252, 254, 665, 854; (29) 454; (31) 755. Aponemus sylvaticus, notes, (27) 156. Apomecyna binubila, notes, (27) 53; (32) 347 Apophyllite— extraction of potash from, (27) 323. fertilizing value. (27) 725.	life history and remedies, (30) 251.	Aploparaksis fuligulosa n.sp., description, (26) 561.
remedies, (33) 253; (38) 561; (39) 760, 761. studies, (40) 649. sorghi, notes, (27) 53. spp., injurious to cotton, (27) 454. spp., notes, (28) 262, 254, 665, 854; (29) 454; (31) 755. Apogruum, rubber from, (30) 614. Apogruum, rubb	notes, (33) 253; (35) 853; (36) 357; (40) 648.	Apuda mutica, notes, (26) 361. Apocellus subsericollis, studies, (32) 563.
studies, (40) 649. sorghi, notes, (27) 53. spp., injurious to cotton, (27) 454. spp., notes, (28) 60, 654; (28) 252, 254, 665, 854; (29) 454: (31) 755. Apodemus sylvaticus, notes, (27) 53; (32) 347 Apophyllite— extraction of potash from, (27) 323. fertilizing value. (27) 725.	remedies, (33) 253; (88) 561; (39) 760, 761.	Apocynum, rubber from, (30) 614.
spp., injurious to cotton, (27) 454. spp., notes, (28) 60, 654; (28) 252, 254, 655, 854; (29) 454; (31) 755. Apophyllite—extraction of potash from, (27) 323. fertilizing value. (27) 725.	studies, (40) 649.	A podemus sylvaticus, notes, (37) 156.
spp., notes, (26) 60, 654; (28) 252, 254, 655, 854; extraction of potash from, (27) 323.	spp., injurious to cotton, (27) 454.	Apophyllite-
	spp., notes, (26) 60, 654; (28) 252, 254, 655, 854; (29) 454; (31) 755.	extraction of potasn from, (27) 828. fertilizing value, (27) 725.

parturient, see Milk fever. Aports crateage, notes, (38) 352. Aports crateage, notes, (38) 352. Aports crateage, notes, (38) 352. Aports crateage, notes, (39) 353. Aports crateage, (37) 353. Aports crateage, (37) 353. Apparatus—	Apoplexy-	Apple—Continued.
of, (20) 619. Apparatus— Dorni, notes, (27) 293. Apparatus— (40) 303. Apparatus— Condensing, (40) 303. Condensing, (40) 305. Condens	parturient, see Milk fever.	aphis, woolly—continued. notes. (26) 753, 856; (27) 353, 455, 553, 859;
of, (20) 619. Apparatus— Dorni, notes, (27) 293. Apparatus— (40) 303. Apparatus— Condensing, (40) 303. Condensing, (40) 305. Condens	Aporia crataegi, notes, (33) 632.	(29) 353, 453, 654; (34) 161; (35) 253, 853; (36) 253; (39) 258, 404, 864; (40) 547.
Diel, notes, (20) 449. Diel, notes, (27) 233. Apparatus—	of, (26) 619.	on Rosaceae, (32) 848.
Apparatus— absorption, (40) 308, automatic burette, (40) 505. condensing, (40) 505, 709. digestion, (40) 400. for ammonic, (40) 708, 806. dilutation, (40) 708, 806. dilutation, (40) 708, 806. dilutation, (40) 708, 806. dilutation, (40) 209. for ammonic of the property o	pomi, notes, (26) 449.	studies, (30) 548; (32) 848; (38) 464; (39)
automatic buretic, (40) 505, condensing, (40) 305, 700. condensing, (40) 305, 700. distillation, (40) 709. extraction, (10) 806. filtration, (10) 709, 806. distillation, (40) 709. for ammonia—		Dark—
condensing, (40) 308, 700. discettion, (40) 700. distillation, (40) 700. distillation, (40) 709, 806. oxidation, (40) 815. for analysis of gases, (40) 111. for determining mirrates and 40 years, (40) 209. water in food materials, (40) 204. water in food materials, (40) 204. distillation, (40) 708, 806. cidation, (40) 815. for analysis of gases, (40) 111. for determining mirrates and 40 years, (40) 209. water in food materials, (40) 204. distillation, (40) 708, 806. mirrating leather, (40) 228. repid evaporation, (40) 505. secrum distribution, (40) 505. secrum distribution, (40) 505. secrum distribution, (40) 809. glass and ground distribution, (40) 809. glass and ground distribution, (40) 809. glass and ground distribution, (40) 809. mechanical pipetic, (40) 806. mirrogen, all-glass, (40) 809. somolic pressure, description, (40) 801. respitation, portable, (40) 806. studies, (37) 166. Apple— Alternariar rot, Longvear's, (38) 453. aphis— Alternariar rot, (38) 452. aphis, soult-pressure and habits, (35) 462. aphis— Alternariar rot, (38) 452. aphis, soult-pressure and habits, (35) 462. aphis— Alternariar rot, (38) 453. aphis— Alternariar rot, (38) 453. aphis— Alternariar rot, (38) 454. aphis— Alternariar rot, (38) 455. aphis, soult-pressure and ha	absorption, (40) 308.	disease, studies, (38) 251.
distillation, (40) 709. citration, (40) 709. distillation, (40) 805. filtration, (40) 805. distillation, (40) 805. distillation, (40) 805. for analysis of gases, (40) 111. for determining— nitrates and nitrites, (40) 309. ures in blood, (40) 207. distilling and inoculating agar plates, (40) 805. measuring leather, (40) 205. respid evaporation, (40) 505. serum distribution, (40) 505. serum distribution, (40) 805. tabling culture medic, (40) 12. globaratory, new or modified, (39) 9, 414, 502, 603, 505, 611, 713, 714, 804. mechanical pipetic, (40) 805. nitrogen, all-glass, (40) 806, 806. osmotic pressure, description, (40) 801. respiration, portable, (40) 465. special stopocct, (40) 202. Appetita— Alternaria rot, Longyear's, (38) 483. aphis— Social (30) 535. points, (30) 535. for since the day of the d	condensing, (40) 308, 709.	spot, brown, (39) 251.
cause, (29) 55; (27) 749. cause and development, (32) 751. notes, (38) 64. relation to irrigation, (32) 362. repid evaporation, (40) 203. mitrates and nitrites, (40) 309. men in blood, (40) 237. water in food materials, (40) 204. for measuring leather, (40) 208. rapid evaporation, (40) 555. rapid evaporation, (40) 555. serum distribution, (40) 551. tubing culture media, (40) 12. glass safety valve, (40) 709. laboratory, new or mortified, (39) 9, 414, 502, and red polyment, (40) 805. serum distribution, (40) 806. serum distribution, (40)	distillation, (40) 709.	base as a jellying agent, (32) 162. bitter pit—
distribution (40) 709, 806. distribution (40) 815. distribution of pear blight by (33) 149. distribution of pear blight by (33) 825. distribution of pear blig	extraction, (10) 806. filtration, (40) 409.	cause, (26) 55; (27) 749.
10 analysis of gases, (40) 111. 10 of determining—intrates and nitrates and n	for ammonia—	notes, (38) 646.
Ditrates and nitrites, (40) 309. urea in blood, (40) 207. water in food materials, (40) 204. for distributing Dakin's solution, (40) 12. filling and incoellating agar plates, (40) 805. measuring leather, (40) 208. rapid evaporation, (40) 505. serum distribution, (40) 501. tabing outlure media, (80) 12. fiboratory, new or modified, (89) 9, 414, 502, 603, 503, 611, 718, 714, 804. mechanical pipette, (40) 806. nitrogen, all-glass, (40) 609, 806. cosmotic pressure, description, (40) 801. respiration, portable, (40) 465. special stopock, (40) 202. Appetite— as affected by ventilation, (33) 684. studies, (37) 166. Apple— Alternaria rot, Longvear's, (38) 463. anthracense— description and treatment, (27) 249. notes, (31) 83, (33) 98; (34) 85, 522. aphitates, (28) 163. aphitates, (28) 163. prom, notes, (38) 263. brown, notes, (38) 263. control, (40) 162, 163, 549, 649, 754. correct name, (58) 40, 647, 648, 649, 659. green, occurrence of an intermediate in, (33) 748. green, remedies, (33) 85, 577. in Great Britain, (38) 253. in Maryland, (38) 164, 939, 649, 754. correct name, (58) 607, 602, (33) 253. in Maryland, (38) 164, 939, 94, 144, 502, 168, 169, 169, 169, 169, 169, 169, 169, 169	oxidation, (40) 815. for analysis of gases, (40) 111.	studies, (29) 246; (31) 244; (33) 348, 852; (35)
urea in blood, (40) 207. water un food materials, (40) 204. for distributing Dakin's solution, (40) 12. filling and inconsisting agar plates, (40) 805. measuring leather, (40) 202. rapid evaporation, (40) 505. serum distribution (40) 505. serum distribution (40) 505. serum distribution (40) 505. serum distribution (40) 506. jos. 505, 506, 501, 713, 714, 804. mechanical pipette, (40) 806. nitrogen, all-glass, (40) 806. somotic pressure, description, (40) 801. respiration, portable, (40) 465. Applette— as affected by ventilation, (33) 664. studies, (37) 166. Applete— as affected by ventilation, (33) 664. studies, (37) 166. Applete— alternaria rot, Longvear's, (38) 453. anthracnese— description and treatment, (27) 249. notes, (33) 536, (33) 88; (34) 95, 542. studies, (29) 153. aphis— Aphis sorbl, remedies, (39) 760. and red bugs, notes, (34) 160. banded, remedies, (39) 837. biology of, (31) 235. control, (40) 162, 163, 549, 649, 754. correct name, (38) 462. distribution of pear blight by, (33) 149. green, notes, (33) 587. green, notes, (23) 538, (33) 88; (34) 95, 542. studies, (38) 506. Distribution of pearly for the control of the studies, (37) 156, (38) 650. black root rot— description, (36) 147. studies, (37) 156, 1030 650. black root rot— description, (36) 147. studies, (37) 156, 1030 650. black root rot— description, (36) 147. studies, (37) 156, 1030 650. black root rot— description, (36) 147. studies, (37) 156, 1030 650. black root rot— description, (36) 147. studies, (37) 156, 1030 650. black rot rot— canker, notes, (31) 53. notes, (30) 541, 737. black rot rot— description, (36) 147. studies, (37) 156, 1030 650. black rot rot— canker, notes, (31) 53. notes, (30) 541, 750, 750. black rot rot— description and treatment, (31) 53. notes, (30) 541, 750, 750. blight— description and treatment, (31) 53. notes, (31) 644, 943; (33) 534; (34) 645. resistance to, (38) 550. black rot rot— description and treatment, (27) 249. notes, (39) 154. black rot— canker, notes, (31) 544. black rot— description and treatment, (27	for determining—	treatment, (37) 151.
for distributing Dakin's solution, (40) 12. filling and inconsisting agar plates, (40) 805. measuring leather, (40) 208. rapid evaporation, (40) 505. serum distribution, (40) 505. serum distribution, (40) 709. ilaboratory, new or modified, (39) 9, 414, 502, 609, 505, 611, 718, 714, 304. mechanical pipette, (40) 806. introgen, all-glass, (40) 600, 806. sometic pressure, description, (40) 801. septiates, potchis, (40) 502. Appetite— sa affected by ventilation, (33) 664. studies, (37) 166. Apple— Alternaria rot, Longyear's, (38) 453. anthracnese— description and treatment, (27) 249. notes, (31) 53, (33) 98; (34) 96, 562. studies, (23) 153. apples— sanded, remedies, (38) 857. biology of, (31) 250. brown, notes, (36) 253. control, (40) 162, 163, 549, 649, 754. correct name, (38) 462. distribution of pear blight by, (33) 149, green, notes, (33) 383, (35) 657, green, occurrence of an intermediate in, (33) 748. green, remedies, (33) 383, 625; (32) 484, 236; (33) 283, (44) 47; (35) 484, 285; (36) 365; (41) 47; (35) 484, 285; (36) 365; (41) 47; (35) 484, 285; (36) 365; (41) 47; (35) 484, 287; (38) 385; (77) 44, 136; (38) 287; (38) 385; (77) 44, 136; (38) 287; (38) 385; (37) 544, 136; (38) 287; (38) 385; (37) 544, 136; (38) 287; (38) 385; (37) 544, 136; (38) 287; (38) 385; (37) 544, 136; (38) 288; (37) 486, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (37) 545, 387; (38) 385; (38) 385; (39) 585, 382; (39) 285, 383; (39) 585, 382; (39) 285, 383; (39) 585, 383; (39) 585, 383; (39) 585, 383; (39) 585, 383; (39) 585, 383; (39) 585, 383; (39) 585, 383; (39) 585, 383; (39) 585, 383; (39) 585, 383; (39) 585, 383; (39) 585, 383; (39)	urea in blood, (40) 207.	control, (39) 251.
measuring leather, (40) 208. rapid evaporation, (40) 505. serum distribution, (40) 505. serum distribution, (40) 505. glass safety valve, (40) 709. laboratory, new or modified, (39) 9, 414, 502, 503, 505, 611, 713, 714, 804. mechanical pipette, (40) 505. mitrogen, all glass, (40) 505. mitrogen, all glass, (40) 505. methanical pipette, (40) 506. mitrogen, all glass, (40) 505. special stopcock, (40) 202. Appetite— as affected by ventilation, (33) 664. studies, (37) 106. Apple— Alternaria rot, Longyear's, (38) 453. anthracnese— description and treatment, (27) 249. notes, (31) 55; (33) 98; (34) 96, 542. spindles, (29) 183. application and read process of the second stream of the second studies, (30) 534; (30) 534; (34) 648. spindles, (36) 185, 135, 136, 136, 136, 136, 136, 136, 136, 136	for distributing Dakin's solution, (40) 12.	fungus, utilization of pentoses by, (34) 351.
Sertim Guriture media, (40) 12. glass safety valve, (40) 709. laboratory, now or modified, (39) 9, 414, 502, 503, 505, 511, 713, 714, 804. mechanical pipette, (40) 506. nitrogen, all-glass, (40) 609, 808. cosmolic pressure, description, (40) 801. respiration, portable, (40) 465. special stopocck, (40) 202. Appetite— as affected by ventilation, (33) 664. studies, (37) 166. Apple— Alternaria rot, Longyear's, (38) 453. anthracese— description and treatment, (27) 249. notes, (31) 53, (33) 98; (34) 95, 542. studies, (29) 153. aphis— and Aphis sorbi, remedies, (39) 760. and red bugs, notes, (34) 160. banded, remedies, (36) 857. biology of, (31) 250. brown, notes, (35) 258. control, (40) 162, 163, 549, 649, 754. correct name, (38) 462. distribution of pear bilght by, (33) 149. green, notes, (29) 335; (35) 667. green, occurrence of an intermediate in, (33) 748. green, remedies, (33) 557. in Great Britain, (36) 253. in Maryland, (38) 154. notes, (27) 53; (29) 335, 652; (33) 253; (36) 855; (33) 253; (34) 147; (35) 456, 757, 257; remedies, (33) 557. remedies, (23) 366; (30) 255, 852; (33) 253; (36) 855; (37) 54, 156; (38) 257, 561, 857; (39) 345; (40) 477, 648, 649, 650. purple, remedies, (33) 557. remedies, (23) 356; (30) 55, 852; (33) 249, 556; (33) 235; (34) 147; (35) 456, 757, 571, 571; remedies, (33) 557. remedies, (23) 356; (30) 55, 852; (33) 249, 556; (33) 235; (34) 147; (35) 456, 757, 571, 571; 671, 672, 672, 673, 673, 673, 673, 673, 673, 673, 673	measuring leather, (40) 208.	
titining clutter media, (40) 729. Iaboratory, now or modified, (39) 9, 414, 502, 503, 505, 611, 718, 714, 804. mechanical pipetic, (40) 805. mitrogen, all-glass, (40) 609, 806. somotic pressure, description, (40) 801. respiration, portable, (40) 480. Appetite— as affected by ventilation, (33) 664. studies, (37) 166. Apple— Alternaria rot, Longyear's, (38) 453. anthracense— description and treatment, (27) 249. notes, (31) 53; (33) 98; (34) 95, 542. studies, (29) 133. aphis— and Aphis sorbl, remedies, (39) 760. and red bugs, notes, (34) 160. banded, remedies, (36) 877. biology of, (31) 250. brown, notes, (36) 233. control, (40) 162, 163, 549, 649, 754. correct name, (36) 842. distribution of pear blight by, (33) 149. green, occurrence of an intermediate in, (30) as a course, (27) 53; (35) 567. green, occurrence of an intermediate in, (30) as a course, (27) 53; (35) 567. green, occurrence of an intermediate in, (30) as a course, (27) 53; (38) 585; (37) 54, 166; (38) 253; (36) 657. rected Efftsin, (30) 253. in Maryland, (38) 144, 502, 164, 649, 650. blife histories and habits, (35) 462. migratory, notes, (33) 555, 575. remedies, (29) 356; (30) 255, 852; (32) 249, 556; (33) 253; (33) 147; (35) 456, 757, 857; (39) 345; (40) 161. aphis, rosy—see also Aphis, rosy, alternate hosts, (39) 464. softially aphis, rosy—see also Aphis, rosy, alternate hosts, (39) 464. softially aphis, rosy—see also Aphis, rosy, alternate hosts, (39) 464. softially aphis, rosy—see also Aphis, rosy, alternate hosts, (39) 456, 457, 75, 857; (38) 345; (40) 161. aphis, rosy—see also Aphis, rosy, alternate hosts, (39) 456, 457, 756, 187; (39) 345; (40) 161. aphis, rosy—see also Aphis, rosy, alternate hosts, (39) 469. softially aphis, rosy—see also Aphis, woolly—see also Aphis, w	serum distribution, (40) 581.	
mendanical pipette, (49) 800. nitrogen, all-glass, (40) 605, 806. cosmotic pressure, description, (40) 801. respiration, portable, (40) 465. Appletre— as affected by ventilation, (33) 664. studies, (37) 166. Appletra— Alternaria rot, Longvar's, (38) 453. anthramese— description and treatment, (27) 249. notes, (31) 53; (33) 98; (34) 95, 542. studies, (29) 153. and Aphis sorbi, remedies, (39) 760. and red bugs, notes, (38) 537. biology of, (31) 263. brown, notes, (68) 263. control, (40) 162, 163, 549, 649, 754. correct name, (68) 462. distribution of pear blight by, (33) 149. green, nocus; (32) 353; (35) 657. in Great Britain, (36) 253. in Muryland, (88) 164. key for stem mothers, (39) 360. life histories and habits, (33) 542. migratory, notes, (23) 356; (30) 55, 582; (32) 449, 536; (33) 253; (34) 147; (35) 545, 757, 338; (36) 855; (37) 54, 166; (38) 257, 561, 567, 538; (39) 346; (34) 147; (35) 545, 577, 338; (36) 355, studies, (32) 755; (34) 754; (36) 549, 549, 549, 549, 549, 549, 549, 549,	glass safety valve, (40) 709.	description, (36) 147.
mendanical pipette, (49) 800. nitrogen, all-glass, (40) 605, 806. cosmotic pressure, description, (40) 801. respiration, portable, (40) 465. Appletre— as affected by ventilation, (33) 664. studies, (37) 166. Appletra— Alternaria rot, Longvar's, (38) 453. anthramese— description and treatment, (27) 249. notes, (31) 53; (33) 98; (34) 95, 542. studies, (29) 153. and Aphis sorbi, remedies, (39) 760. and red bugs, notes, (38) 537. biology of, (31) 263. brown, notes, (68) 263. control, (40) 162, 163, 549, 649, 754. correct name, (68) 462. distribution of pear blight by, (33) 149. green, nocus; (32) 353; (35) 657. in Great Britain, (36) 253. in Muryland, (88) 164. key for stem mothers, (39) 360. life histories and habits, (33) 542. migratory, notes, (23) 356; (30) 55, 582; (32) 449, 536; (33) 253; (34) 147; (35) 545, 757, 338; (36) 855; (37) 54, 166; (38) 257, 561, 567, 538; (39) 346; (34) 147; (35) 545, 577, 338; (36) 355, studies, (32) 755; (34) 754; (36) 549, 549, 549, 549, 549, 549, 549, 549,	laboratory, new or modified, (39) 9, 414, 502, 503, 505, 611, 713, 714, 804.	black rot—
osmotic pressure, description, (40) 801. respiration, portable, (40) 465. special stopeock, (40) 202. Appetite—	mechanical pipette, (40) 806. nitrogen, all-glass, (40) 609, 806.	studies, (36) 148, 750; (38) 649.
special stopeock, (40) 202. Appetite— as affected by ventilation, (33) 664. Apple— Alternaria rot, Longyear's, (38) 453. anthracese— description and treatment, (27) 249. notes, (31) 53; (33) 98; (34) 95, 542. studies, (29) 153. aphis— and Aphis sorbi, remedies, (38) 760. and red bugs, notes, (34) 160. banded, remedies, (36) 857. biology of, (31) 250. brown, notes, (35) 283. control, (40) 162, 163, 549, 649, 754. correct name, (38) 462. distribution of pear blight by, (33) 149. green, notes, (29) 353; (36) 667. green, coccurrence of an intermediate in, (33) 748. green, remedies, (33) 58, 557. in Great Britain, (36) 253. in Maryland, (38) 154. hey for stem monthers, (39) 360. life histories and habits, (35) 462. migratory, notes, (33) 535. sepis, symmethes, (39) 365; (30) 55, 552; (32) 449, 536; (33) 253; (34) 147; (35) 465, 757, 838; (36) 855; (37) 54, 16; (38) 257, 561, 857; (39) 364; (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (37) 756; (34) 754; (37) 561; (40) 364, 649. aphis, studies, (37) 756; (34) 754; (37) 561; (40) 364, 649. aphis, studies, (37) 756; (34) 754; (37) 561; (40) 364, 649. aphis, studies, (37) 756; (34) 754; (37) 561; (40) 364, 649. aphis, woolly—see also Aphis, woolly, and elm cluster louse, identity, (34) 357, and elm cluster louse, identity could be applied to the could	osmotic pressure, description, (40) 801.	black spot—
studies, (37) 166. Apple— Alternaria rot, Longyear's, (38) 453. anthracnese— description and treatment, (27) 249. notes, (31) 53; (33) 98; (34) 95, 542. studies, (29) 153. aphis— and Aphis sorbi, remedies, (39) 760. and red bugs, notes, (34) 160. banded, remedies, (38) 857. biology of, (31) 250. brown, notes, (35) 253. control, (40) 162, 163, 549, 649, 754. correct name, (38) 462. distribution of pear blight by, (33) 149. green, notes, (29) 336; (35) 557. green, occurrence of an intermediate in, (33) 748. green, remedies, (38) 555. in Maryland, (38) 154. key for stem mothers, (39) 360. life histories and habits, (35) 462. migratory, notes, (33) 554. notes, (27) 749; (37) 151. studies, (39) 53 spot, notes, (34) 543. spot, studies, (38) 251. blossom— blight, notes, (34) 543. spot, studies, (38) 251. blossom— blight, notes, (34) 345. weevil, parasite of, (40) 65. will and canker, studies, (38) 453. wilt, notes, (40) 850. blotch— control, (40) 63, 464. treatment, (31) 53, 439; (34) 648. resistant stocks, (39) 864. studies, (37) 651. studies, (38) 650. blister—anker— description and treatment, (37) 54. studies, (38) 650. blister—anker— description and treatment, (27) 445. notes, (27) 749; (37) 151. studies, (38) 650. blister—anker— description and treatment, (27) 445. notes, (27) 749; (37) 151. studies, (38) 650. blister—anker— description and treatment, (27) 445. notes, (27) 749; (37) 151. studies, (38) 650. blister—anker— description and treatment, (27) 445. notes, (27) 749; (37) 151. studies, (38) 650. blister— dissease, notes, (34) 443. spot, studies, (38) 650. blister— idseaription and treatment, (27) 445. notes, (27) 749; (37) 151. studies, (38) 650. blister— description and treatment, (27) 445. hotes— description and treatment, (27) 445. hotes— ontes, (28) 148. spot, studies, (39) 55. wilt and canker— control, (40) 639. notes, (28) 148. studies, (39) 56. treatment, (37) 51. blossom— blight, note	special stopcock, (40) 202.	notes, (30) 541; (40) 748, 749.
Apple— Alternaria rot, Longyear's, (38) 453. anthracese— description and treatment, (27) 249. notes, (31) 53; (33) 98; (34) 95, 542. studies, (29) 153. aphis— and Aphis sorbi, remedies, (39) 760. and red bugs, notes, (34) 160. banded, remedies, (38) 857. biology of, (31) 250. brown, notes, (35) 253. control, (40) 162, 163, 549, 649, 754. correct name, (38) 462. distribution of pear blight by, (33) 149. green, notes, (29) 353; (35) 657. green, occurrence of an intermediate in, (33) 748. green, remedies, (33) 58, 557. in Great Britain, (36) 253. in Maryland, (38) 154. key for stem mothers, (39) 360. life histories and habits, (35) 462. migratory, notes, (33) 554. notes, (27) 75; (29) 353, 355; (33) 253; (34) 147; (35) 456, 57; 333; (36) 855; (37) 54, 156; (38) 257, remedies, (39) 365, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, rowy—see also Aphis, rosy—alternate hosts, (39) 464. aphis, studies, (32) 7755; (34) 754; (37) 561; (40) 364, 484; (33) 584; (34) 648. resistante tooks, (39) 864. studies, (39) 565. blister canker— description and treatment, (27) 445. notes, (27) 759; (37) 151. blister— description and treatment, (27) 445. notes, (27) 751; blister canker— description and treatment, (27) 445. notes, (27) 751; blister— discases, notes, (34) 543. spot, notes, (33) 55. bloster— discription and treatment, (27) 445. notes, (39) 58. treatment, (37) 51. blister— discription and treatment, (27) 445. notes, (39) 58. treatment, (37) 51. blister— discription and treatment, (27) 445. notes, (39) 58. treatment, (37) 51. blister— discription and treatment, (27) 445. notes, (27) 749; (37) 151. blister— discription and treatment, (27) 445. notes, (39) 58. treatment, (37) 51. bloston— blight, notes, (36) 548. spot, studies, (33) 345. morphology, (33) 138. weevil, paralite of, (40) 65. will and canker, studies, (38) 251. branch blister, notes, (32) 344; (37) 842. breeding in Canada, (28) 540. brown rot— notes, (22) 749; (37) 541. bloston— control, (40) 639. notes, (22) 745, 435. studies, (37) 654. treat	as affected by ventilation, (33) 664.	blight—
Alternaria rot, Longyear's, (38) 453. anthracese—		notes, (31) 644, 843; (33) 534; (34) 648.
description and treatment, (27) 249. notes, (31) 53; (33) 98; (34) 95, 542. studies, (29) 153. aphis—	Alternaria rot, Longyear's, (38) 453.	
studies, (29) 183. aphis— and Aphis sorbi, remedies, (39) 760. and red bugs, notes, (34) 180. banded, remedies, (38) 857. biology of, (31) 250. brown, notes, (35) 253. control, (40) 162, 163, 549, 649, 754. correct name, (38) 462. distribution of pear blight by, (33) 149. green, notes, (29) 353; (35) 657. green, notes, (28) 358, 557. in Great Britain, (36) 253. in Maryland, (38) 154. key for stem mothers, (39) 360. life histories and habits, (33) 554. notes, (27) 53; (29) 353, 655; (33) 253; (36) 854; (38) 355; (40) 647, 648, 649, 650. purple, remedies, (38) 557. remedies, (29) 356; (30) 55. greenles, (29) 356; (30) 55. greenles, (28) 356; (30) 557. remedies, (29) 356; (30) 557. remedies, (29) 356; (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and elm cluster louse, identity, (34) 357. and solvinous and remedies, (30) 257. and solvinous are also Aphis, woolly. and elm cluster louse, identity, (34) 357. and solvinous are also Aphis, woolly. and elm cluster louse, identity, (34) 357. and solvinous are also Aphis, woolly. and elm cluster louse, identity, (34) 357. and solvinous are also Aphis, woolly. and elm cluster louse, identity, (34) 357. and solvinous are also Aphis, woolly. and elm cluster louse, identity, (34) 357. and solvinous are also Aphis, woolly. and elm cluster louse, identity, (34) 357. and solvinous are also Aphis, woolly. and elm cluster louse, identity, (34) 357. and solvinous are also Aphis, woolly. and elm cluster louse, identity, (34) 357. and solvinous are also Aphis, woolly. and elm cluster louse, identity, (34) 357. and solvinous are also Aphis, woolly. and elm cluster louse, identity, (34) 357. and solvinous are also Aphis, woolly. and elm cluster louse, identity, (34) 357. and solvinous are also Aphis, woolly. and elm cluster louse, identity, (34) 357. and solvinous are also Aphis, woolly. and elm cluster louse, identity (39) 457. and solvinous	description and treatment, (27) 249.	studies, (38) 650.
and Aphis sorbi, remedies, (39) 160. and red bugs, notes, (34) 160. banded, remedies, (36) 857. biology of, (31) 250. brown, notes, (35) 253. control, (40) 162, 163, 549, 649, 754. correct name, (38) 462. distribution of pear blight by, (33) 149. green, notes, (29) 353; (35) 657. green, notes, (29) 353; (35) 657. green, remedies, (33) 55, 557. in Great Britain, (36) 253. in Maryland, (38) 154. key for stem mothers, (39) 360. life histories and habits, (33) 554. notes, (27) 53; (29) 353, 652; (33) 253; (36) 854; (38) 355; (30) 467, 648, 649, 650. purple, remedies, (29) 356; (30) 55, 852; (32) 449, 556; (33) 253; (34) 147; (35) 456, 757, 338; (36) 855; (37) 54, 156; (38) 257, 501, 857; (39) 345; (40) 161. aphis, rosy—see also Aphis, rosy. alternate hosts, (39) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) 364, 649. aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Bohtzoneurs exergines relationshin and sandy seed and seed to bus of the control of the contro	studies, (29) 153.	description and treatment, (27) 445.
banded, remedies, (36) 857. biology of, (31) 250. brown, notes, (36) 253. control, (40) 162, 163, 549, 649, 754. correct name, (38) 462. distribution of pear blight by, (33) 149. green, notes, (29) 353; (35) 657. green, cocurrence of an intermediate in, (33) 748. green, remedies, (33) 55, 557. in Great Britain, (36) 253. in Maryland, (38) 154. key for stem mothers, (39) 360. life histories and habits, (35) 462. migratory, notes, (33) 554. notes, (27) 53; (29) 353, 652; (33) 253; (36) 854; (38) 355; (40) 647, 648, 649, 650. purple, remedies, (33) 557. remedies, (29) 356; (30) 65, 852; (32) 449, 536; (36) 355; (37) 54, 156; (38) 257, 561, 857; (39) 345; (40) 161. aphis, rosy—see also Aphis, rosy. alternate hosts, (39) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) 364, 649. aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Bohtzoneurs exergines relationship.	and Aphis sorbi, remedies, (39) 760.	studies, (39) 53.
spot, notes, (36) 253. control, (40) 162, 163, 549, 649, 754. correct name, (38) 462. distribution of pear blight by, (33) 149. green, notes, (29) 353; (35) 657. green, occurrence of an intermediate in, (33) 748. green, remedies, (33) 58, 557. in Great Britain, (36) 253. in Maryland, (38) 154. key for stem mothers, (39) 360. life histories and habits, (35) 462. migratory, notes, (33) 554. notes, (27) 53; (29) 353, 652; (33) 253; (36) 854; (38) 355; (37) 64, 167; (38) 457. remedies, (33) 253; (34) 147; (35) 456, 757, 838; (30) 855; (37) 54, 156; (38) 257, 561, 857; (38) 345; (39) 346. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) 361. aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizopurus swergene resistency in	banded, remedies, (36) 857.	blister—
distribution of pear blight by, (33) 149. green, notes, (29) 353; (35) 657. green, occurrence of an intermediate in, (33) 748. green, remedies, (33) 58, 557. in Great Britain, (36) 253. in Maryland, (38) 154. key for stem mothers, (39) 360. life histories and habits, (35) 462. migratory, notes, (33) 554. notes, (27) 53; (29) 353, 652; (33) 253; (36) 854; (38) 355; (40) 647, 648, 649, 650. purple, remedies, (29) 356; (30) 557. remedies, (29) 356; (30) 55. \$252; (33) 447; (35) 456, 787, 538; (36) 255; (37) 54, 156; (33) 257, 561, 857; (39) 345; (40) 161. aphis, rosy—see also Aphis, rosy. alternate hosts, (39) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) 354, 649. aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizoneurs a surgicase raisifonchia aphasy woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizoneurs a surgicase raisifonchia apalyses, (31) 836.	brown, notes, (35) 253.	spot, notes, (36) 148.
green, occurrence of an intermediate in, (33) 748. green, remedies, (33) 58, 557. in Great Britain, (36) 253. in Maryland, (38) 154. key for stem mothers, (39) 360. life histories and habits, (35) 462. migratory, notes, (33) 554. notes, (27) 53; (29) 353, 052; (33) 253; 854; (38) 365; (40) 647, 648, 649, 650. purple, remedies, (33) 557. remedies, (29) 366; (30) 55, 852; (32) 449, 536; (33) 253; (34) 147; (35) 456, 757, 338; (36) 855; (37) 54, 156; (38) 257, 561, 357; (39) 345; (40) 161. aphis, rosy—see also Aphis, rosy. alternate hosts, (39) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizoneurs symmions resistorship.	correct name, (38) 462.	blossom
green, remedies, (33) 55, 557. in Great Britain, (38) 253. in Maryland, (38) 154. key for stem mothers, (39) 360. life histories and habits, (35) 462. migratory, notes, (33) 554, 535. s54; (38) 355; (40) 647, 648, 649, 650. purple, remedies, (33) 557. remedies, (29) 356; (30) 55, 852; (32) 449, 536; (33) 253; (34) 147; (35) 456, 757, 838; (36) 855; (37) 54, 156; (38) 257, 561, 857; (39) 345; (40) 161. aphis, rosy—see also Aphis, rosy. alternate hosts, (39) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) 364. aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizopurus swargene relationship.	green, noics, (29) 353; (35) 657.	morphology, (39) 138.
green, remedies, (33) 55, 557. in Great Britain, (38) 253. in Maryland, (38) 154. key for stem mothers, (39) 360. life histories and habits, (35) 462. migratory, notes, (33) 554, 535. s54; (38) 355; (40) 647, 648, 649, 650. purple, remedies, (33) 557. remedies, (29) 356; (30) 55, 852; (32) 449, 536; (33) 253; (34) 147; (35) 456, 757, 838; (36) 855; (37) 54, 156; (38) 257, 561, 857; (39) 345; (40) 161. aphis, rosy—see also Aphis, rosy. alternate hosts, (39) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) 364. aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizopurus swargene relationship.	green, occurrence of an intermediate in, (33) 748.	will and canker, studies, (38) 453.
Rey for stem mothers, (39) 360. life histories and habits, (35) 462. migratory, notes, (33) 554. notes, (27) 53; (29) 353, 052; (33) 253; (36) 854; (38) 365; (40) 647, 648, 649, 650. purple, remedies, (33) 557. remedies, (29) 366; (30) 55, 852; (32) 449. 536; (33) 253; (34) 147; (35) 456, 787, 338; (36) 855; (37) 54, 156; (38) 257, 561, 857; (38) 345; (40) 161. aphis, rosy—see also Aphis, rosy. alternate hosts, (39) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizoneurs symmions resistionship.	green, remedies, (33) 58, 557.	blotch—
life histories and habits. (35) 462. migratory, notes, (33) 554. notes, (27) 53; (29) 353, 052; (33) 253; (36) 854; (38) 355; (40) 647, 648, 649, 650. purple, remedies, (29) 356; (30) 557. remedies, (29) 356; (30) 55, 852; (32) 449, 536; (33) 235; (34) 147; (35) 456, 787, 383; (36) 355; (37) 54, 156; (38) 257, 561, 857; (39) 345; (40) 161. aphis, rosy—see also Aphis, rosy. alternate hosts, (39) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (36) 356. aphis, studies, (37) 554; (37) 561; (40) 354, 649. aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizoneurs symptome resistorship.	in Maryland, (38) 154. key for stem mothers, (39) 360.	control, (40) 639. notes, (28) 148.
purple, remedies, (33) 557. remedies, (39) 366; (30) 55, 852; (32) 449, 536; (33) 253; (34) 147; (35) 456, 757, 838; (30) 855; (37) 54, 156; (38) 257, 561, 857; (39) 345; (40) 161. aphis, rosy—see also Aphis, rosy. alternate hosts, (39) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) 361, studies, (32) 755; (34) 754; (37) 561; (40) aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizopeurs swargene relationship.	life histories and habits, (35) 462.	studies. (37) 654
purple, remedies, (33) 557. remedies, (39) 366; (30) 55, 852; (32) 449, 536; (33) 253; (34) 147; (35) 456, 757, 838; (30) 855; (37) 54, 156; (38) 257, 561, 857; (39) 345; (40) 161. aphis, rosy—see also Aphis, rosy. alternate hosts, (39) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) 361, studies, (32) 755; (34) 754; (37) 561; (40) aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizopeurs swargene relationship.	notes, (27) 53; (29) 353, 652; (33) 253; (36)	branch blister, notes, (32) 344; (37) 842.
aphis, rosy—see also Aphis, rosy. alternate hosts, (39) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizoneurs swargene relationship.	DUPDIG, remedies, (33) 557	brown rot—
aphis, rosy—see also Aphis, rosy. alternate hosts, (39) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizoneurs swargene relationship.	536; (33) 253; (34) 147; (35) 456, 757, 838;	studies, (31) 749; (35) 248,
alternate hosts, (38) 464. life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (35) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) 354, 649. aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizopeurs surgicuse relationship. and Schizopeurs surgicuse relationship. analyses, (31) 836.	(39) 345; (40) 161.	bud-
life history and remedies, (30) 251. predatory enemy of, (30) 459. studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) 354, 649. aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizoneurs swergens relationship.	alternate hosts, (39) 464.	111g, (36) 239.
studies, (36) 356. aphis, studies, (32) 755; (34) 754; (37) 561; (40) 354, 649. aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizoneurs awarigane religionship.	life history and remedies, (30) 251.	disease, notes, (34) 49. formation as affected by soil management.
354, 649. aphis, woolly—see also Aphis, woolly. and elm cluster louse, identity, (34) 357. and Schizoneurs awarigane, relationship. analyses. (31) 836.	studies, (36) 356.	(40) 148. moth, eye-spotted, remedies, (39) 659.
and elm cluster louse, identity, (34) 357. and Schizoneura emericana relationship analyses, (31) 836.	354, 649.	moth, notes, (28) 752.
(28) 251. new disease of, (30) 352.	and elm cluster louse, identity, (34) 357.	buds-
	and senizoneura americana, relationship, (28) 251.	new disease of, (30) 352.
destruction by vegetable parasites, (28) 354. bug, green—	(28) 251. control, (26) 561; (33) 59; (40) 258. destruction by vegetable parasites, (28) 354.	resistance to frost, (30) 839. bug, green—
in core of apples, (30) 156. life history and remedies, (28) 251. remedies, (40) 354. studies, (36) 457; (37) 462.	in core of apples, (30) 156.	remedies, (40) 354.

Apple—Continued.	Apple—Continued.
and blossom wilt, studies, (38) 453.	frog-eye leaf spot, studies, (29) 648; (35) 151. fruit buds—
behavior in two grafts on same stock, (37)	development, (31) 335; (33) 838.
description and treatment, (29) 752.	formation, (29) 437; (33) 44; (35) 499, 837; (39) 40, 42, 241, 346.
	formation as affected by pruning, ringing,
diseases, treatment, (33) 248. European, in Quebec, (32) 544. in Ontario County, (26) 541. notes, (26) 446; (27) 546; (28) 446; (29) 793; (32) 445, 547; (33) 347; (36) 541. studies, (30) 651; (34) 741; (35) 653. transmussion by tree crickets, (34) 653. treatment, (35) 848; (37) 774; (38) 659; (40) 341.	etc., (33) 735. winter injuries, (28) 741; (29) 41.
notes, (26) 446; (27) 546; (28) 446; (29) 793;	fruit—
studies, (30) 651; (34) 744; (35) 653.	miner, life history, (38) 261. pit disease, notes, (35) 456.
transmission by tree crickets, (34) 653. treatment, (35) 818; (37) 754; (38) 639; (40) 341.	rots, notes, (30) 147.
capsids—	spot, notes, (28) 345, 849; (30) 511; (32) 51, 719; (34) 842, 846; (35) 848; (40) 844.
remedies, (39) 763. studies, (40) 59, 60.	spot, studies, (27) 652; (33) 247.
caterpillar—	spots and rots, studies, (35) 242. spur system, (36) 239.
rêd-humped, notes, (28) 158; (30) 157; (39) 761.	gnarly disease, notes, (38) 453. grafts, comparative growth, (32) 635.
yellow-necked, notes, (36) 358. chlorosis, treatment, (30) 749.	heart rot, studies, (35) 653.
	hold-over blight, studies, (26) 646. industry—
cider as a source of method, (33) 316. cider, proparation, (33) 316. collar blight, notes, (31) 346. collar blight, studies, (34) 247; (35) 548. collar rot, studies, (34) 154, 156. cork, studies, (37) 350. cracking disease— notes (32) 344	in United States, (36) 536.
collar blight, notes, (31) 340. collar blight, studies, (34) 247; (35) 548.	in Virginia, census, (40) 149. ielly, manufacture, (37) 15; (40) 414.
collar rot, studies, (34) 154, 156.	jeny, preparation, (39) 808.
cork, studies, (37) 350.	Jouathan spot— rot. notes. (29) 847, 848; (31) 748; (34) 157;
110000, (02) 0111	rot, notes, (29) 817, 818; (31) 748; (34) 157;
studies, (39) 149. cricket canker, (35) 547.	studies, (38) 353. juice—
crown gall— studies, (35) 35; (39) 856.	analyses, (33) 240; (37) 502; (40) 764. fermentation, (30) 801.
varietal relations, (37) 554.	notes, (29) 116.
curculio— notes, (26) 759.	osmotic pressure, (28) 262. physico-chemical constants of, (31) 427.
remedies, (34) 147; (37) 242; (39) 348.	preservation by pressure, (32) 416.
die-back, notes, (28) 54; (32) 644. die-back, studies, (37) 551.	studies, (29) 711.
disease in New Zealand, (35) 456.	June drop, (38) 745. leaf—
disease, notes, (31) 539.	blister mite, notes, (35) 263.
and pests, treatment, (38) 843.	cast, notes, (38) 647. crumpler, notes, (26) 856.
descriptions, (31) 449. in Indiana, (38) 251.	diseases, description, (35) 752.
Iowa, (29) 445. New South Wales, (34) 247.	dry spot, notes, (34) 842. jassid, description, (40) 261.
New York, (40) 249, 251,	miner, notes, (32) 651; (35) 253. miner, unspotted tentiform, notes, (29) 655.
New Zoaland, (38) 452.	mining case bearer, notes, (38) 862.
New Zoaland, (38) 452. Pennsylvania, (34) 646; (35) 351. Tasmania, (36) 846.	mites, notes, (37) 570. roller, notes, (36) 457, 855.
inoculation experiments, (27) 051. manual, (30) 642.	roller, remedies, (37) 54.
notes, (26) 55, 742, 840, 844; (27) 241, 349,	sawfly, notes, (30) 53. scorch, notes, (29) 845; (40) 844.
notes, (28) 55, 742, 840, 844; (27) 241, 349, 353; (28) 544, 555, 747; (29) 146, 242, 353; (30) 245; (31) 641, 644; (32) 544, 641; (33) 447, 741, 840; (37) 51; (38) 50, 550; (39)	scorch, studies, (38) 049. sewer, studies, (36) 251.
447, 741, 840; (37) 51; (38) 50, 550; (39)	sewer, studies, (36) 251. sewer, notes, (38) 358.
402: (40) 00.	lenf spot—
spray calendar for, (26) 530. studies, (26) 440; (28) 240; (29) 649; (32)	description, (30) 50, 650. in Indiana, (39) 52.
750; (33) 544. treatment, (26) 48; (27) 39, 849, 855; (28)	in Indiana, (39) 52. notes, (29) 748; (34) 54. studies, (28) 548; (31) 150; (33) 247.
treatment, (26) 48; (27) 39, 849, 855; (28) 58; (31) 151, 335; (32) 751; (33) 45, 349; (34) 747; (35) 752; (37) 51.	treatment, (27) 153; (30) 650.
drop caused by lime-sulphur, (40) 5%.	leaf trumpet miner, notes, (30) 657.
drought spot, studies, (37) 350. ermine moth—	black, see Idiocerus provancheri.
identity and distribution, (38) 860.	life history and habits, (38) 858, 859; (39) 61. notes, (26) 59; (27) 755, 858; (28) 752; (29)
notes, (29) 252. studies, (28) 557.	354; (33) 352, 356.
eye rot, notes, (35) 151.	on potato, (40) 358. relation to fire blight, (36) 351.
fire blight— description, (35) 848.	leaves—
dissemination by bees, (35) 662. notes, (29) 848; (31) 749; (32) 844; (33) 53.	as affected by Gymnosporangium, (26) 649; (30) 245.
relation to fertilizers, (28) 144.	diseased, respiration in, (32) 751. infection by cedar rust, (29) 49, 647, 648.
studies, (29) 348. flea weevil	infection by Gymnosporangium macropus,
notes, (28) 156; (34) 254.	(29) 647. limb diseases, notes and treatment, (29) 49.
notes, (28) 156; (34) 254. remedies, (31) 456. flour, studies, (40) 762.	maggot—
nower wilt and young iruit rot, (36) 148.	affecting blueberries, (32) 350; (33) 97; (34) 852.
flowers— and fruits, abscission, (37) 240.	biology and remedies, (29) 560. control, (40) 163, 654.
polymorphism in, (28) 540.	in Emilian Collimnia (37) 665° (40) 654.
foliage— diseases, investigations, (27) 152.	in Nova Scotia, (35) 853. in Ontario, (30) 53. notes, (20) 753; (32) 448; (36) 856; (40) 57, 169,
diseases, investigations, (27) 152. studies, (26) 407. wind scorch of, (33) 148.	notes, (20) 753; (32) 448; (36) 856; (40) 57, 169,
will scored of, (66) 140.	654.

Apple—Continued.	Apple—Continued.
maggot—continued. remedies, (31) 757; (33) 59; (35) 660; (38) 358. studies, (32) 153; (38) 262.	scab— control, (39) 251, 349, 352, 548, 552, 651. description and treatment, (38) 550.
studies, (32) 153; (38) 262. mildew—	description and treatment, (38) 550.
in Sweden (33) 846.	fungus, overwintering, (38) 151. fungus, perithecia of, (31) 449; (35) 351. infection, relation to height of fruit, (37) 51.
in Washington, (38) 47.	infection, relation to height of fruit, (37) 51.
in Washington, (38) 47. notes, (35) 650; (36) 541. parasites of, (31) 544. treatment, (26) 750; (34) 352; (38) 47; (40) 251,	infection, relation to neight of fruit, (37) of notes, (28) 247; (30) 147; (33) 247; (34) 247, 840; (36) 347, 647; (38) 546, 848, 852; (40) 748. on twies, (38) 251.
treatment, (26) 750; (34) 352; (38) 47; (40) 251, 849.	on twigs, (38) 251.
moth, light brown, notes, (27) 57.	overwintering, (35) 753. resistance to, (36) 649.
mushroom root rot— notes and treatment, (28) 748.	
studies, (35) 242.	studies, (27) 546; (30) 542, 848; (31) 645; (33)
care and management, (29) 42, 353; (31) 45	source of spring intertoin, 257 for. spraying v. dusting for, (31) 449. studies, (27) 546; (30) 542, 848; (31) 645; (33) 148, 347 (37) 555. treatment, (27) 153; (28) 448, 544; (29) 146; (30) 348, 840; (31) 346, 439; (32) 51, 540, 751; (33) 237, 247, 347, 648; (34) 747, 843; (35) 248, 249, 343, 417, 548, 549; (30) 50, 351; (27) 249, 557, 755, (28) 540; (40) 154, 241, 647
cost of establishing, (36) 444.	(30) 348, 840; (31) 346, 439; (32) 51, 540,
cost of management, (31) 46; (32) 45. cost of spraying, (35) 838.	(35) 248, 249, 343, 417, 548, 549; (36) 50, 351;
cost to bearing age, (31) 45.	(37) 242, 655, 755; (38) 540; (40) 154, 341, 647. scald—
cover crops for, (35) 540. culture experiments, (31) 141; (35) 644.	prevention by air movement, (39) 857.
dusting, (35) 447. eliminating unprofitable trees from, (32)	studies, (36) 148; (38) 353; (40) 849. scions, tests, (28) 436.
836.	seed chalcid, notes, (27) 255; (28) 654; (38) 156.
establishment and care, (27) 241; (31) 45. fertilizer experiments, (31) 141.	seed chalcid, studies, (36) 461. seeds—
fertilizers for (20) 148	agglutinating properties, (31) 774.
intercrops for, (35) 540. management, (27) 241; (35) 143, 456. mulching, (36) 396. mulching, (36) 396.	analyses, (34) 201. composition, (27) 11.
mulching, (36) 396.	oil from, (40) 511.
profits from, (31) 46; (33) 237; (35) 342, 447. pruning, (29) 148.	silver leaf disease, notes, (26) 749; (35) 650.
renovating, illustrated lecture, (39) 93. renovation and care, (32) 540.	sirup, manufacture, (33) 209. skeletonizer in New York, (38) 60.
soil management, (40) 742.	skeletonizer, notes, (40) 648. skins—
spraying, (26) 599. spraying schedule for, (28) 48; (32) 536.	ether extract of, (29) 461.
orchards survey in-	isolation of fat from, (29) 459. yellow oil from, (31) 311.
Berkeley County, West Virginia, (33) 839. Mills County, Iowa, (32) 540; (33) 240. Ontario County, New York, (26) 540.	soft scald, studies, (39) 855. soils of Massachusetts and Connecticut, (32)
Ontario County, New York, (26) 540.	835.
orchards, tillage v. sod mulch for, (31) 45, 337, 636; (35) 644.	Sooty— blotch, notes, (29) 154: (35) 550.
packing houses in Northwest, (37) 648.	blotch, notes, (29) 154; (35) 550. blotch, treatment, (27) 747.
parings, analyses, (38) 626. Phytophthora rot, notes (35) 848.	fungus, treatment, (28) 47. spot disease—
pollen— effect on size and number of seeds, (31) 440.	description, (36) 750.
germination, (35) 731.	notes, (28) 443. spot diseases—
vitality, (29) \$26. pomace—	development in storage, (38) 753.
analyses, (26) 267, 714; (27) 775, 872; (32) 520.	studies, (35) 456; (38) 650. spot rots, studies, (33) 348. starch, studies, (31) 828. starch, variations in, (34) 144.
feeding value, (26) 72; (28) 268; (32) 363; (35) 373; (39) 269.	spot rots, studies, (33) 348.
fertilizing value, (34) 219.	stems, variations in, (34) 144. stigmonose, studies, (33) 348, 349.
powdery mildow— description and treatment, (31) 748.	SLOCKS, Gliect on Vintage, (33) 240; (35) 645.
in northwest, (39) 856. notes, (28) 447.	storage spot, notes, (32) 441. strainer, studies, (31) 852.
studies, (33) 347.	sucker—
treatment, (30) 640; (36) 350. psyllid, remedies, (31) 548.	notes, (33) 652. remedies, (31) 548; (33) 555, 857; (37) 761.
red bug—see Lygidea mendax.	studies, (34) 451; (37) 761.
false, notes, (28) 752; (32) 550; (33) 58; (34) 158; (35) 54; (39) 258, 760.	tent caterpillar— egg parasites, (36) 556.
lined, notes, (34) 752. residues, storage and use, (30) 612.	life history and remedies, (29) 655,
root borer, notes, (26) 353	notes, (28) 557; (30) 153, 654, 657 ;(34) 158. remedies, (33) 59.
root porer, studies, (32) 248.	tentiform leaf miner, unspotted, studies, (35)
root borer, studies, (32) 248. root rot in Virginia, (36) 351, 649. root rot, notes, (34) 49. rosette, notes, (36) 351.	359. tree borer—
roc—	control in West Virginia, (35) 657. flat-headed, notes, (35) 656.
notes, (28) 241; (30) 349; (36) 47. studies, (30) 542; (33) 348.	fist-headed on pecan, (38) 157, 762; (39) 557. long-headed, notes, (33) 360. notes, (26) 560; (29) 353.
temperature relations, (36) 147, 649; (37) 754.	notes. (26) 560: (29) 353.
rough bark, studies, (29) 154.	104114-1183484, 10185, (31) 249.
control in West Virginia, (35) 657.	round-headed, remedies, (37) 161. round-headed, studies, (39) 663, 868; (40)
dusting experiments, (39) 54.	654.
new, description, (31) 150, 345. notes, (26) 52; (27) 546; (30) 542, 651; (32) 644; (35) 151; (39) 54.	tree trunks, introduction of solutions into, (36) 740.
(35) 151; (39) 54, relation to cedar apples, (28) 151.	tree wounds, painting, (35) 446. trees—
Studies, (34) 54, 154, 157, 444; (35) 49, 848; (39)	dynamiting experiments. (35) 539.
150. treatment, (28) 748; (30) 450; (33) 247, 348.	potassium cyanid inoculation, (39) 225, 762. ringing, (36) 536.
sawfly, notes, (29) 861.	root systems, (35) 541.

Apple—Continued. trees—continued.
starch storage and migration 11, (35) 645. wood decay in, (34) 53. twig blight, prevalence in Ontario County, (26)
541.
twig borer, notes, (30) 151. twig borer, studies, (31) 852.
twigs, composition, (26) 407.
water core—cause, (26) 55.
cause, (26) 55. notes, (28) 48, 549; (30) 719; (35) 40. studies, (29) 848.
weevil—
notes, (26) 759. oviposition, (39) 363. parisites of, (29) 562.
parisites of, (29) 562. wine, preparation, (27) 412.
winter injury—
or die-back, studies, (35) 242 to roots, (35) 342. wood-stainer, notes, (36) 258. worm, green, see Xylina sp.
wood-stainer, notes, (36) 258.
worms in Nova Scotia, (35) 853.
Apples— abscission of flowers and fruits, (38) 745.
acidity, (32) 110; (37) 714.
advertising, (36) 494. alternate cropping, (35) 37; (36) 140, 640. analyses, (26) 40.
analyses, (26) 46. and pears, handbook, (26) 45.
and pears, handbook, (26) 45, angle and size of shoots as affecting growth and
productiveness, (39) 43. as affected by—
Bordeaux mixture, (27) 440. formaldohyde gas, (30) 540. imported western soil, (39) 40. poisoning, (33) 320.
imported western soil, (39) 40.
position in cluster, (10) 441.
position in cluster, (40) 444. removal of blooms, (38) 647. spruying materials, (38) 156.
as host ol—
Archips argyrospila, (27) 160. Fomes fomentarius, (32) 51.
as source of alcohol, (36) 508. ash analyses, (29) 861.
bark injury as affecting fruit-bud formation, (39) 43.
bending dormant shoots, (39) 43.
bending dormant shoots, (39) 43. blooming dates in Utah, (39) 46. blooming period, (26) 440; (30) 642; (31) 533; (37)
744. blooming period as affected by sprays, (30) 611.
breeding, (36) 141.
breeding— experiments, (27) 843; (32) 45, 438, 538; (34) 40,
experiments, (27) 843; (32) 45, 138, 538; (31) 40, 631, 738; (30) 741; (37) 242; (38) 641; (39) 39, 346, 347, 542, 844; (40) 148, 341, 749
39, 316, 347, 512, 844; (40) 148, 311, 742. for late blooming, (37) 743; (38) 639.
for South Dakota conditions, (39) 346. in Canada, (38) 446.
in Idaho, (34) 42. calyx cup of, studies, (34) 64.
calyr cup of, studies, (34) 64, cambial activity, (37) 128. canned, keeping in open tins, (39) 317.
capsid bugs affecting, (32) 849.
eider— analyses and classification, (34) 233.
and vinegar qualities, (39) 316
foeding value, (39) 269, monograph, (28) 437. use in cookery, (37) 669.
use in cookery, (37) 669. classification, (35) 644.
climatic adaptations of varieties, (26) 45.
cold storage, (30) 41; (35) 447; (37) 833. color in, (35) 645.
composition as affected by irrigation, (26) 336; (27) 10; (29) 237.
conservation without use of sugar, cooking qualities of different varieties, (32) 560,
855.
Coryneum-like structures on, (33) 545. cost of harvesting, (32) 541.
cost of harvesting, (32) 541. cost of production, (28) 238; (29) 439; (33) 439, 840; (34) 233, 438, 638; (36) 841; (38) 844; (39)
140.

```
Apples—Continued.
cost of production in Washington, (36) 443.
                 cost of production in Washington, (36) 443. crab, see Crab apples. critical months, (39) 811. cross pollination, (27) 598; (31) 440, 554; (30) 442, 742; (38) 345; (39) 645; (40) 149. crown gall affecting, (28) 447. cull, utilization, (33) 209. culture, (29) 745; (32) 45, 494, 751; (34) 833. culture—
                cult, utilization, (33) 209.
culture—
experiments, (28) 144, 436; (29) 42; (34) 148, 217; (36) 37, 342, 447, 540; (36) 237, 240, 443; (40) 444, 837.
in Alaska, (29) 742.
Britany, (33) 640.
California, (32) 744.
Canada, (36) 742.
Delaware, (31) 246.
Georgia, (27) 644; (33) 439.
Indiana, (26) 742.
Maine, (27) 644.
Maryland, (30) 642.
Massachusetts, (30) 739; (36) 742.
Massachusetts, (30) 739; (36) 742.
Mossa County, (37) 241.
Missispipi, (26) 742.
Now Jersey, (30) 739.
New Mevico, (10) 18.
New York, (35) 836.
Northwest, (34) 638.
Ontario, (26) 840.
southern Teass, (32) 539.
the Ozarks, (29) 237.
Vermont, (26) 541.
West Virginia, Jefferson Co., (33) 140.
western Nebraska, (32) 233.
on Long Island, (31) 45.
custord, see Custard apples.
cutinization of skins, (40) 219.
defoliation experiments, (39) 42.
description, methods and terms, (32) 744.
destruction, (26) 334.
disease resistance in, (29) 41; (40) 742.
diseased, plaster cast of, (31) 748.
districts and varieties, (36) 536.
dried—
analyses, (30) 801.
accomparine (20) 466.
                      dried-
                   analyses, (30) 861.
examination, (36) 406.
microbiology, (34) 460.
preparation and use, (29) 462.
drying, (27) 146; (33) 418; (37) 114, 509; (39) 16.
Duchess, improved type, (38) 42.
                      dusting-
                   dusting—
and spraying costs, (36) 53.
and spraying experiments, (30) 840; (32)
836; (34) 738.
experiments, (38) 546; (39) 349; (40) 341, 445.
v. spraying, (36) 351; (38) 540.
dwarf trees, (39) 347.
                   dwarf v. standard (33) 639; (34) 344.
effect of sprays on roots, (39) 40.
effect on composition of urine, (31) 761.
                     Empoasca unicolor on, (40) 57.
                 enzyms of, (39) 310. etherization, (40) 837. evaporated, analyses, (32) 762. evaporation, (26) 156; (35) 418; (38) 207; (39) 808.
              factors affecting—
production, (28) 143.
yleld, color, and growth, (28) 639.
fall v. spring planting, (26) 238; (37) 743.
fasciation in, (36) 837.
fertile and self-fertile varioties, (40) 638).
fertilizer experiments, (26) 817; (28) 47, 143, 740;
(29) 437, 539; (30) 640; (31) 335; (33) 45; (34)
148, 149, 833; (35) 38, 235, 238, 342, 447, 540, 837;
(37) 41, 341, 447, 743, 833; (38) 42, 244, 345, 540,
639; (39) 40, 139, 242, 346, 347, 445; (40) 149, 837.
fibro-vascular system, (27) 538; (29) 542.
filuctuating characteristics of, (26) 336.
for livestock, (31) 365.
forcing experiments, (38) 443.
forecasting probable bloom, (37) 744.
foreign markets for, (38) 42.
                     factors affecting-
```

	An Inc. Court of
Apples—Continued.	Apples—Continued. parthenocarpy in, (34) 226.
from seions from high- and low-producing parents, (31) 334.	pear blight on, (40) 349.
frost injury, (27) 546; (29) 49, 547; (37) 344.	pear thrips affecting, (27) 156; (40) 547.
frozen, as affected by rapid thawing, (32) 43.	pear thrips affecting, (27) 156; (40) 547. picking and handling, (34) 437. picking maturity, (37) 543.
fruitfulness, factors in, (40) 836.	picking maturity, (37) 543.
girdling, (40) 837.	plant food removed by, (36) 39. planting—
grading and handling, (34) 149. grading and packing law in Delaware, (37) 745.	and care. (38) 245.
grading and packing law in Maryland, (37) 143.	and care, (38) 245. costs, (38) 41.
graft hybrid, (31) 140, (39) 241.	with dynamite, (32) 535; (35) 236, 752.
grafting experiments, (39) 40.	with dynamite, (32) 535; (35) 236, 752. pollination, (27) 744; (31) 534; (32) 743; (34) 233, 341; (39) 138; (40) 148, 149, 638, 740.
grafting on pear stocks, (37) 40. graphic summary of seasonal work, (39) 495.	pollination, relation to weather conditions, (35)
gross morphology, (29) 541.	237.
gross vascular anatomy, (36) 140.	preservation, (29) 312.
growth—	prices and receipts in Boston, (39) 895.
and color development, (35) 838.	propagation, (33) 238. propagation and shipping experiments, (34) 637.
as affected by meteorology, (29) 510. as affected by soils, (29) 416.	protection against rabbits, (34) 250.
studies, (39) 844.	pruning, (29) 148; (30) 739; (33) 837; (37) 344; (39)
handling and storing, (35) 342; (38) 143.	541; (40) 639.
hardiness—	pruning— and training, (37) 344.
in, (35) 236. in relation to structure and composition,	at planting, (34) 342.
(34) 342.	experiments, (26) 45; (35) 142; (36) 237, 535;
on different stocks, (40) 837.	(37) 240; (39) 40, 139, 347; (40) 837.
hardy varieties, (39) 445. harvesting, (34) 438.	studies, (39) 42.
harvesting, (34) 438.	summer, (34) 533. summer v. winter, (34) 738; (37) 647.
harvesting and marketing, (36) 742.	wounds, (40) 341.
harvesting dates, (30) 344. hawthorn aphis affecting, (26) 247.	quality in, analysis, (29) 40.
household use, (40) 173.	receipts and wholesale prices in New York City,
household use, (40) 173. improvement, (28) 144; (35) 342. improvement by scion selection, (33) 237, 239.	(31) 46. reducing and nonreducing sugars in, (29) 503.
incipient drying of leaves and fruit, (35) 238.	respiration of in gases, (29) 135.
inflorescence and Irillic OL (30) 331.	ringing and stripping, (39) 40. ringing experiments, (32) 636. ringing wounds, (39) 41.
inheritance of characters, in, (28) 639. inoculation experiments with brown rot fungus,	ringing experiments, (32) 636.
inoculation experiments with brown rot lungus,	ringing wounds, (39) 41.
(33) 247. insect scars, (39) 257.	ripening— chemical and physical changes, (39) 121.
insects affecting, (26) 48, 742, 757, 840; (29) 353; (30) 642, 753, 853; (33) 45, 59, 652, 695, 840; (34) 833; (35) 853; (37) 847, 848; (38) 150, 460, 843.	factors in, (39) 310.
(30) 642, 753, 853; (33) 45, 59, 652, 695, 840; (34)	process, (34) 201.
833; (35) 853; (37) 847, 818; (38) 150, 460, 843.	rôle of polyatomic phenols in, (26) 208.
insoluble carbohydrates or marc, (27) 39, 241, 255, 664.	root pruning, (39) 40. Sclerotinia sp. affecting, (26) 343.
internal structure, (36) 41.	Sclerotinia sp. affecting, (26) 343. score cards for, (28) 492; (35) 236.
interrelation of root and scion, (35) 142.	seed production, (38) 245; (39) 40. seedless, tests, (29) 42.
irrigated—	seedlessness in, (30) 642.
and nonirrigated, composition, (30) 643. keeping quality, (32) 743.	seedling—
irrigation experiments, (27) 743; (33) 683; (38)	descriptions, (27) 343. from selected trees, (39) 844.
242.	notes, (32) 539.
keeping quality, (34) 634; (38) 844; (40) 246. keeping quality, relation to soil moisture, (37)	variation in. (30) 144.
41: (40) 741.	selection experiments, (33) 236, 237; (37) 743. self-fertility, (37) 744; (39) 541.
lead arsenate injury, (31) 141; (40) 639. leopard moth affecting, (26) 150. Lepidoptera infesting, (40) 756.	self-fertility, (37) 744; (39) 541.
leopard moth affecting, (26) 150.	self-fruitfulness and self-sterility in, (31) 337. self-sterility in, (33) 236; (35) 837; (40) 148.
limb and twig disease of (36) 746	sensitivity to poison, (35) 456, 457.
liming experiments, (39) 445.	shipping, heavy loading in, (39) 748.
limb and twig disease of, (36) 746. liming experiments, (39) 445. marketing, (32) 91; (39) 90.	shipping, heavy loading in, (39) 748. silver lead disease affecting, (29) 845.
marketing—	snout beetles affecting, (26) 759.
and distribution, (34) 149.	sod v. tillage, (26) 45. sod mulch v. tillage, (30) 640, 642; (34) 148.
by parcel post, (36) 742. cooperatively, (20) 392; (37) 143.	spray injury, (38) 641.
in North Carolina, (33) 595.	spray schedule, (39) 140, 242,
McIntosh, characteristics, (28) 639.	Sprayed, arsenic on, (38) 04.
McIntosh, drought injury, (40) 849. Monilia affecting, (26) 849.	sprayed, arsenic on, (38) 54. spraying, (29) 436; (33) 439, 538; (36) 535; (37) 744; (38) 550; (40) 162, 837.
mulching experiments, (34) 833.	
new, description, (29) 436, 838; (31) 337; (32) 438,	dust v. liquid, (32) 551; (37) 832, 833, experiments, (27) 143, 439; (28) 47, 348, 436; (30) 640; (33) 45, 141, 648; (34) 146; (35) 39, 342; (36) 240; (37) 40, 242, 447, 647; (38) 551; (39) 343, 345, 348, 349, 548, 552, 651, 760, 865.
744; (35) 37.	experiments, (27) 143, 439; (28) 47, 348, 430; (28) 460; (28) 46, 460;
new varieties, (27) 144. nitrogen for, (39) 241; (40) 837.	342; (36) 240; (37) 40, 242, 447, 647; (38) 551;
nomenclature, Australian, (39) 844.	(39) 343, 345, 348, 349, 548, 552, 651, 760, 865.
Northern Spy seedlings, characteristics, (31)	III DIOSSOIII WILLI LODRICCO EXLIRICE. (31) 546.
440.	summer, (29) 146. with Bordeaux, (40) 746.
nursery, root systems of, (35) 142. odoriferous substances of, (26) 208.	with lime arsenate, (40) 164.
of colder parts of United States and Canada	stock and scion relations, (39) 541.
(26) 540.	stocks—
Georgia, peculiarities, (31) 440.	dwarf, (39) 347.
Germany, (33) 838. lower Seine regions, composition, (30) 16.	for, (33) 239; (39) 40, 645, 843, 864. Siberian crab. (39) 346.
New York, (29) 41.	Siberlan crab, (39) 346. storage, (26) 441; (29) 40; (32) 141; (36) 240; (38)
New York, (29) 41. orange rust of, (29) 547.	143, 241; (39) 310, 770; (40) 849.
oriental peach moth on, (39) 259, 261.	storage—
oriental peach moth on, (39) 259, 261, packing, (28) 237; (29) 838; (30) 41; (35) 838; (37) "8; (38) 246.	changes during, (39) 121. experiments, (33) 340.

Apples—Continued.	Apricot—Continued.
storage—continued. houses for, (22) 888; (38) 88.	stones— histological characteristics, (27) 112.
in peat dust, (29) 641.	hydrocyanic acid content, (27) 12.
sulphur spotting, (39) 856.	thrips, new species, (40) 853.
temperatures injurious to, (27) 413, 439.	tree disease, notes, (31) 539.
(ninning experiments, (28) 47, (20) 541, (32) 438,	Apricots—
sulpriter spotting, (39) 300. (27) 413, 439. temperatures injurious to, (27) 413, 439. thinning experiments, (28) 47; (29) 541; (32) 438, 637; (33) 47; (37) 448; (39) 139. top working, (27) 744.	acidity, (32) 110; (37) 715. blooming periods, (37) 633.
	composition as affected by irrigation, (29) 236.
transplanting experiments, (35) 37, 38.	cost of precooling, (34) 637.
treatise, (27) 538; (34) 342. tree census in Washington, (40) 340.	crown gall affecting, (28) 447. crown gall resistance in, (35) 645.
tree census in Washington, (40) 340.	erown gall resistance in, (35) 645.
tree characters, (35) 236. variability of yiold, (38) 744. variation in, (31) 636, 836; (35) 838; (39) 541. variation in, (31) 636, 836; (29) 235; (32) 538; (33) 237, 534, 637; (31) 42; (36) 712; (37) 143, 240, 241; (38) 41, 112; (39) 40, 445.	culture in Mesa County, Colorado, (37) 241. destruction by black scale, (26) 555.
valiation in. (31) 636, 836; (35) 838; (39) 541.	dried—
varieties, (28) 436, 838; (29) 235; (32) 538; (33) 237,	analyses, (30) 861.
534, 637; (31) 42; (36) 712; (37) 143, 240, 241; (38)	examination. (36) 466.
41, 142; (39) 40, 445.	inoculation experiments with brown rot
varieties—	inoculation experiments with brown rot fungus, (33) 247. microbiology, (34) 460.
for Australia, (29) 340.	preparation and use. (29) 462.
British Columbia, (35) 237. home orchard, (40) 341.	preparation and use, (29) 462. drying, (27) 146; (37) 114, 715. fruit stocks for, (38) 345.
Idaho, (33) 44.	fruit stocks for, (38) 345.
Minnesota, (39) 445; (40) 148.	growth as affected by meteorology, (29) 510. mjuries by freezing, (26) 749.
New Jersey, (33) 139. Northwest, (39) 340, 844.	localization of acids and sugars in, (36) 110.
Northwest, (39) 346, 844.	oriental peach moth on, (39) 259, 261.
Ohio, (29) 395; (37) 241.	pear thrips affecting, (27) 156.
Olegon, (39) 211. Pacific Northwest, (29) 745.	pollination experiments, (34) 233.
Pennsylvania, (31) 45.	protection from cold, (39) 45.
wastern Washington (33) 44	pruning, (32) 837.
identification, (28) 237; (35) 236.	pruning experiments, (40) 445. "saluon fly" injury, (39) 257.
In Mistrilla, (39) 844.	spraying experiments, (28) 652.
identification, (28) 237; (35) 236. in Australia, (39) 844. Germany, (31) 46. lowa, (37) 647.	stocks for, (40) 445.
Missouri, (27) 844.	sweet, composition of kernels, (27) 801.
Missouri, (27) 844. Ohio, (35) 40.	tree census in Washington, (40) 340.
Oklahoma, (27) 241. United States, (32) 438.	varieties, (37) 241; (38) 41. Aproctonema entomophagum n.g. and n.sp., notes.
United States, (32) 438.	(38) 563.
United States and Canada, (28) 237. Virginia (27) 144	Aprostocetus whitmani n.sp., description, (36) 259.
recognizing, (31) 494	Aprostocetus whitmani n.sp., description, (36) 259. Apterotrix longiclava n.sp., description, (35) 366.
Virginia, (27) 144. recognizing, (31) 494. resistant to cedar rust, (33) 248. resistant (o discasse, (20) 246. resistant (o discasse, (20) 246.	Aptinothrips rufa, notes, (28) 452.
resistant to discases, (20) 246.	Aptosimum albomarginatum, analyses and digestibility, (32) 167.
susceptible to diseases, (29) 436; (31) 53. variety index, (26) 238. variety tests, (39) 346.	Aquatic products, food value, (39) 67.
variety faces, (20) 235.	Aqueous-
winter—	extracts, evaporation apparatus, (34) 608.
injury, (36) 431; (40) 835.	solutions— extraction with ether, (37) 414.
injury in Minnesota, (40) 837.	ice crystallizations from, (36) 419.
pruning experiments. (39) 44.	vapor in atmosphere, condensation, (38) 210.
washes for, (35) 38. winterkilling, (32) 43. winterkilling of twigs and roots, (30) 147.	Arabinose—
winterkilling of twigs and roots (20) 147	behavior in fermenting mixtures, (27) 502.
wound stimulation and closure in, (26) 826.	decomposition by yeast, (36) 609. determination, (26) 709; (37) 617.
yield of individual trees, (33) 237.	reducing power, (33) 314.
yields, (27) 343.	β-d-Arabinose, crystallography and optical prop-
yields at different ages, (33) 439.	erties, (40) 202.
A pricot— ns root stock, tests, (40) 445.	Arabis disease, notes, (34) 750. Arachidic acid, detection, (36) 414.
brown rot, treatment, (40) 851.	Arachin—
buds, analyses, (31) 837.	basic nitrogen distribution in, (37) 501.
buds, resistance to frost, (30) 839. buds, spray injury, (40) 52.	chemistry of, (37) 8.
	hydrolysis, (40) 109.
Coryneum fruit spot, notes, (31) 352. Coryneum rust, notes, (33) 549. desert, description, (30) 41. dleback or winterkilling, notes, (30) 537. disease in Rhone valley, (35) 249; (37) 250. diseases in France, (35) 49, 50. fire blight, notes, (29) 843. flowers, polymorphism in, (28) 540. fruit spots, descriptions, (35) 654.	Arachis— hypogea—
desert, description, (30) 41.	agglutinating properties, (31) 774.
dleback or winterkilling, notes, (30) 537.	agglutinating properties, (31) 774. analyses, (31) 833.
disease in Rhone valley, (35) 249; (37) 250.	analyses and digestibility, (28) 464.
diseases in France, (35) 49, 50.	oil— accessory growth substance in, (38) 265.
flowers, polymorphism in. (28) 540.	determination, (30) 209.
fruit spots, descriptions, (35) 654.	germicidal action, (40) 14.
Edition -	prostrata as a green manure, (32) 423.
bacterial, (39) 151.	Arachnida—
description, (38) 650. notes, (34) 54.	of British Columbia, (39) 464. species injurious to man, (39) 768.
studies, (30) 749.	Arachnids—
kernel oil, analyses, (26) 504.	comparative physiology and morphology, (33)
kernels, microscopic identification, (28) 565.	553.
leaf and twig curl, notes, (36) 647.	injurious to orach, (29) 853.
Monilia blight, studies, (34) 351. pollen, frost resistance of, (29) 437.	relation to disease transmission, (30) 546. Arachniopsis albicans n.g. and n.sp., description,
rust, notes, (39) 850.	(39) 30.
rust, treatment, (40) 851.	Araeccrus fasciculatus, ses Coffee-bean wecvil.
scab or black spot, notes, (36) 845.	Aragallus—
seab or freckle, notes, (30) 537. seeds, oil content, (36) 803.	lamberti, absorption of barium chlorid by, (28) 527.
sour sap disease, notes, (34) 54; (36) 451.	spicatus, poisoning of sheep by, (31) 781.

Aralia-	Argas-Continued.
cordata, notes, (31) 140.	persicus, see Argas miniatus. spp., notes, (29) 563.
cordata, nuclein bases in, (33) 564. spp., intumescences in, (26) 545.	Arge salicis n.sp., description, (30) 60.
Araucaria— araucana (imbricata) and its resins, (40) 615.	Arginase—action on creatin, (35) 313.
forests of Chile, (32) 542.	determination in animal organism, (34),804.
Arbela tetraonis, description, (28) 753.	in plants, studies, (37) 204. preparation from fresh liver, (37) 112.
Arbor Day— for roads, (29) 695.	Arginetia indica anecting sugar cane roots, (55)
in Kentucky, (27) 195. in Porto Rico, (27) 899.	550. Arginin—
manual, (27) 598, 898; (31) 395, 495; (33) 495.	determination, (35) 415.
notes, (30) 196, 197. suggestions, (31) 792; (32) 495, 496.	determination in proteins, (26) 22; (37) 112. distribution in plants, (30) 129.
Arbor vitae	enect on plant growth, (20) 324.
Chinese, culture, (30) 346. leaf miner, notes, (33) 252.	enzymatic splitting in lupines, (39) 733. in chernozem soils, (35) 212.
A rboriculture—	grane leaves. (27) 731.
bibliography, (34) 435. in Spain, (33) 238.	hops, (32) 502. malt sprouts, (26) 24.
ornamental, notes, (29) 146.	soils, (27) 500,
treatise, (33) 537. Arbutin in—	stachys tubers and citrus leaves, (26) 107. metabolism, (38) 267.
leaves of Grevillea robusta, (27) 527. pears, (26) 327.	notes, (28) 29.
pears, (26) 327. Arceuthobium—	nutritive value, (38) 569. rôle in purin metabolism, (37) 265.
injurious to conifers, (39) 57.	Argulus foliaccus, notes, (38) 001.
oxycedri, notes, (31) 56. Archibuteo lagopus sanctijohannis, notes, (27) 355.	Argyna cribrasia on san, (31) 850. Argyresthia—
Archips—	aternatella, notes, (34) 450.
argyrospila— notes, (28) 450; (30) 157, 361; (32) 651; (40)	atmoriella, notes, (34) 553. conjugella, life history, (38) 261.
161.	conjugella, notes, (36) 457.
pupal instar, (34) 357. remedies, (31) 850; (34) 755; (35) 551; (37) 56.	illuminatella, notes, (34) 855; (35) 258. n.spp., descriptions, (33) 748.
studies, (27) 160; (28) 754.	thuiella, notes, (33) 252.
cerasivorana— natural control, (40) 62.	Argyrophylax albincisa, description, (36) 359. Argyroploce duplex, notes, (40) 456.
notes, (26) 856; (34) 752; (36) 856.	Arhar, culture experiments, (28) 633.
postvittanus, notes, (27) 155. rosaceana, notes, (28) 854; (35) 853.	Arion circumscriptus, feeding habits, (34) 458. Arisaema seeds, germination, (33) 29.
rosana, life history and habits, (30) 651.	Aristida—
rosana, life history and habits, (30) 651. rosana, notes, (35) 54. spp., notes, (27) 161.	adscensionis, analyses, (36) 334. adscensionis, studies, (38) 06.
Archytas—	pungens, culture and use, (33) 131. spp., analyses and digestibility, (27) 871; (32)
analis, parasitic on army worm, (34) 251.	167.
piliventris, notes, (29) 356. Arctia caja—	spp., roots of, (26) 535. Aristonetta, a good genus, (40) 161.
bacillary septicemia of, (29) 855.	Aristotelia—
notes, (30) 54, 855. parasites of, (31) 251.	salicifungiella, life history, (33) 655. sp., notes, (32) 556.
Arctomys bobac-	Arithmetic—
notes, (27) 454. relation to plague, (26) 252, 653.	agricultural problems in, (31) 793. agricultural, textbook, (30) 795.
susceptibility to pneumonic plague, (28) 180.	rural, textbook, (37) 95.
Arctostaphylos columbiana n.sp., description, (34) 336.	textbook, (36) 597. Arizona—
Arcyptera flavicosta, destruction by Coccobacillus	Station— financial statement, (27) 599; (29) 496.
acridiorum, (33) 154. Ardisia crispa, symbiosis with bacteria, (29) 30.	financial statement, (27) 599; (29) 496. notes, (27) 98, 896; (28) 195, 900; (29) 396, 697; (30) 796; (31) 300, 307; (33) 99,1900; (34) 198, 396, 495; (35) 95; (37) 700; (38) 299; (39) 95, 500, 694; (40) 98, 297.
Arduenna (Spiroptera) strongylina, notes, (28) 285.	697; (30) 796; (31) 300, 397; (33) 699,1900; (34) 198, 396, 495; (35) 95; (37) 700; (38)
Areca— catechu, culture in North Kanara, (34) 239.	299; (39) 95, 500, 694; (40) 98, 297.
nut mahali disease, treatment, (36) 48.	report, (32) 598; (33) 96; (35) 594; (39) 799.
nuts, secondary bases of, (31) 309.	299, (39) 95, 500, 095, (49) 95, 297, report, (32) 958; (33) 968; (35) 584; (39) 799. report of director, (27) 509; (29) 496. University, notes, (27) 98; (28) 195, 900; (29) 396, 607; (30) 796; (31) 99, 300, 397, 795; (32) 94, 395, 497; (33) 609, 900; (34) 306, 495; (35) 96, 596; (37) 700; (38) 299; (39) 95, 500, 694; (40) 90 27 405 607
anaberoga, description, (37) 657.	395, 497; (30) 796; (31) 99, 300, 397, 795; (32) 94, 395, 497; (33) 699, 900; (34) 396, 495; (35) 95,
collar rot, notes, (34) 50. diseases, notes, (36) 348; (40) 48, 845.	596; (37) 700; (38) 299; (39) 95, 500, 694; (40)
diseases, notes, (36) 348; (40) 48, 845. koleroga, notes, (34) 55, 644; (38) 351, 548. Arecain, chemical formula for, (31) 309.	98, 297, 495, 695. Arkansas—
Arenga saccharifera, culture and use, (32) 46.	river, low water in, (27) 115.
Arenivaga, new species, (40) 754.	Station, notes, (26) 494; (27) 696; (29) 300, 5eo, 497, 697; (30) 95, 796; (31) 197, 496; (32) 198.
Aressida annulicornis n.sp., description, (28) 162. Argas—	497, 697; (30) 95, 796; (31) 197, 496; (32) 198, 395, 694; (33) 399, 900; (35) 95; (37) 97; (38) 96; (39) 95, 197, 300, 399; (40) 297.
and spirochetes, notes, (31) 81.	Station, report, (40) 796.
miniatus— anatomy, (29) 58.	University, notes, (26) 494; (27) 300, 696; (20) 300, 396, 497, 697; (30) 95, 796; (31) 197, 496; (32) 198, 395, 694; (33) 399, 900; (35) 95; (36)
as affected by Roentgen rays, (28) 57.	(32) 198, 395, 694; (33) 399, 900; (35) 95; (36)
inheritance of spirochetal infection in, (27) 84.	694; (37) 97; (38) 96, 498; (39) 95, 300, 399; (40) 297.
notes, (26) 864; (27) 565, 762, 865; (31) 586; (39) 461, 768; (40) 287.	Armadillidium vulgare—
nympus, injection by, (26) 460.	as affected by Roentgen rays, (28) 57. notes, (27) 658; (31) 758.
relation to spirochetosis in fowls, (26) 684. remedies, (29) 58.	Armadillo, nine-banded, biology and habits, (29)
transmission of fewl pest by, (26) 890.	755. Armatella litseae, notes, (37) 652.

Armillaria—	Arsenates—
mellea- description, (30) 151; (32) 238.	effect on sugar cane roots, (38) 238.
development, (33) 130.	for oriental peach moth control, (40) 756. toxicity, (37) 759.
new hosts for, (33) 550.	Arsenic-
notes, (26) 345, 628; (27) 450; (29) 851; (32) 50, 657, 845; (33) 846; (31) 614; (35) 351,	absorption by green plants, (30) 130. acid, reduction to arsenious acid, (30) 801.
752; (40) 749. on nursery stock, (33) 744.	as a normal element of soils, (30) 321.
orchard trees in California, (32) 241.	biological decomposition, (32) 474.
pear, (40) 252. walnut, (39) 58.	effect on plant growth, (31) 325; (32) 121.
studies, (31) 246; (36) 751.	toxicity toward plants, (33) 327. tuberculocidal action, (35) 181.
symbiosis with Gastrodia elata, (27) 224. treatment, (30) 649; (33) 149; (36) 846.	grapes and wine, (26) 841.
root rot—	leaves, (29) 628.
notes, (40) 748. of citrus trees, (39) 152.	copper sprays, preparation, (40) 843. cumulative action in dipping, (34) 186.
on English walnut, (38) 152.	detection, (28) 804; (36) 203.
sp., notes, (31) 152. sp. on oaks, (34) 241.	detection— in bees, (36) 59.
spp. on forest trees, (40) 319.	11 water. (34) 410.
Army— baking, manual, (37) 63.	modified Marsh's test, (27) 409, determination, (28) 24, 410; (35) 207; (36) 300, 806;
biscuit, recipes, (34) 256. bread, notes, (26) 464.	(39) 113, 508, 715.
oread, notes, (26) 404. cutworm, 906 (Thorizagrotis auxiliaris.	determination in— baking powder, (27) 497; (29) 799.
rations, (40) 68, 362, 560, 564.	baking powder, (27) 497; (29) 799. dipping fluids, (27) 477; (30) 801. foods, (27) 613; (32) 298.
description and preparation, (29) 661.	fungicules and insecticules, (30) 416.
field service, scale for, (30) 169.	insecticides, (26) 21; (32) 296; (36) 299; (38)
food value, (29) 567. m Europe, (32) 562.	lead arsenate, (27) 504; (29) 797.
in Europe, (32) 562. in United States, (32) 459, 460 notes, (33) 165, 365.	organic matter, (37) 713.
worm—	shellac, (28) 310. solls, (27) 499; (28) 507.
baits, tests, (39) 361.	distribution in animals, (27) 180.
biology, (34) 455. control in Massachusetts, (33) 114.	development of corn. (33) 522.
worm, fall— life history and remedies, (29) 655.	nitrogen-fixing organisms of solls, (35) 515. nitrogen-fixing power of solls, (32) 720.
notes, (27) 559, 659; (28) 554; (29) 53, 353, 356, 652; (30) 154, 252, 656; (36) 254.	nitrogen transformation in soils, (30) 423,
652; (30) 154, 252, 656; (36) 254.	424. plants, (38) 628.
on granberry, (38) 159. studies, (34) 163; (35) 56.	soil hacteria, (38) 322, 428.
summary of information, (40) 263.	soils, (32) 730. sugar beets, (26) 225.
injurious to cranberries, (33) 352.	examination, (31) 509.
life history, (35) 854. life history and remedies, (38) 54. notes, (27) 155, 656, 659; (29) 252; (32) 153;	fixation in surface soils, (34) 421. in baking powders, (29) 866.
notes, (27) 155, 656, 659; (29) 252; (32) 153; (33) 58; (34) 158, 453, 494, 752; (35) 465; (36)	gelatin, (26) 464. hops, (38) 9. milk, (27) 677.
854.	milk, (27) 677.
on sugar cane in Mexico, (40) 57. outbreak in 1914, (35) 553.	orchard soils, (31) 720. parasitic or parasitized plants, (27) 830.
outbreaks in Canada, (35) 356.	plant kingdom, (28) 526.
outbreaks in Canada, (35) 356. parasites of, (34) 251. parasitized, food of, (35) 553.	plants, rôle, (37) 130. shellac, (26) 710.
polyhedral virus, (40) 255. remedies, (27) 434; (30) 456.	soils, (30) 423.
semitropical, notes, (28) 654.	sulphured food products, (39) 206.
studies, (35) 56.	vegetables, (27) 260; (32) 628.
wheat-head, notes, (26) 59; (28) 100. Arnica montana, hydrocarbons in, (20) 107.	on sprayed fruits and vegetables. (38) 54.
Arracacia esculenta, analyses, (31) 863.	tobacco, (31) 715. vegetables, (37) 280; (32) 628. insecticidal value, (34) 60; (37) 559. on sprayed fruits and vegetables, (38) 54, polsons, use of fungicides with, (38) 156.
Arrak, judging, (26) 209. Arrhenal, use against Texas fever, (36) 384.	for. (33) 110.
Arrhenatherum— avenaceum—	sprays for weed eradication, (40) 328.
notes, (27) 35.	sulphid, larvicidal value, (34) 359. use against—
relation to oat mildew, (35) 651. elatius—	foot diseases in horses, (29) 783.
dissemination by insects, (27) 47.	surra, (29) 883. water-soluble, determination in lead arsenate,
seeding on ranges, (30) 35. Arrhenophagus—	(36) 715; (37) 616. white, dosage for sheep, (27) 683.
chionaspidis, notes, (26) 152.	Arsenical—
n.spp., descriptions, (35) 365. Arrowhead tubers, sugar in, (30) 63, 502	compounds, bactericidal action, (39) 488. dip testor, (35) 678.
Arrowroot—	dips-
bagasse, analyses, (30) 565.	alkali content, (28) 411. for cattle ticks, (27) 77, 84, 163; (29) 287; (32)
culture experiments, (31) 226. culture in Philippines, (40) 231.	274; (33) 679. methods of analysis, (31) 115.
examination, (29) 361.	notes, (30) 778.
fertilizer experiments, (33) 227. insects affecting, (30) 752. production in St. Vincent, (39) 835.	oxidation, (26) 174; (31) 776; (33) 478, 680; (38) 585.
production in St. Vincent, (39) 835. Starch content, (35) 108.	preparation, (26) 382; (29) 585; (31) 776; (32)
varieties, (30) 434.	778. rendering harmless, (27) 899.
Arsenate— formation in dipping tanks, (31) 483.	tick-killing properties, (29) 886.
of iron, insecticidal value, (27) 755.	treatment, (28) 382.

Arsenical—Continued.	Artichoke—
injury through bark of fruit trees, (36) 849.	diseases, notes, (38) 41.
insecticides, chemistry of, (28) 308.	foliage, digestibility, (32) 258.
salts, analyses, (28) 309. spray injury, prevention, (31) 154.	globe, culture and uses, (38) 41. globe, insects affecting, (40) 57.
sprays—	Jerusalem—
effect on bees, (32) 244.	as food, (36) 561; (39) 67.
effect on color of apples, (28) 115.	in France, (10) 35.
spreaders for, (38) 858. use against wild morning-glory. (38) 140.	inulin in, (39) 524, 732.
use of cactus solution in, (32) 557.	notes, (26) 362. moth, notes, (33) 554.
Arsenicals—	sclerotinia diseases, (40) 49.
as antiparasiticides, (32) 471.	sunflower grafts, studies, (39) 615.
effect of soap on settling, (29) 354.	Artichokes—
for plant protection, (30) 236.	analyses, (31) 433. culture, (27) 32.
for poison haits, (39) 361. for weed control, (40) 429.	culture, (27) 32.
production. (33) 876	culture and use, (40) 763.
root injury by, (40) 449. substitutes for, (29) 758.	culture in Gironde. (30) 738.
substitutes for, (29) 758.	culture experiments, (38) 531; (32) 132; (37) 132. culture in Gironde, (30) 738. insects affecting, (33) 856; (38) 41.
toxicity and use, (31) 851. toxicity, factors affecting, (36) 751.	v. politices for fortige, (51) 455.
Arsenious acid—	variation in, (37) 342.
detection in dips, (31) 483.	Artocarpus integrifolia, notes, (30) 525.
determination, (28) 804.	Artona walkeri, notes, (33) 856. Arum, culture experiments, (30) 229.
effect on sugar cane roots, (38) 238.	Arundinella setosa, notes, (26) 361.
Arsenious oxid— as an alkalimetric standard, (34) 312.	Asafetida, lead number, (27) 499.
as standard in iodimetry, (40) 600.	Asal fly, notes, (27) 53.
preparation and testing, (39) 507.	Assarum europaeum, notes, (27) 851.
Arsenito—	Asbestos stopper for use in distillation, (38) 203. Ascariasis—
of zinc as a substitute for arsenate of lead, (30) 53.	in horses and swine, (35) 489.
oxidation in cattle-dipping tanks, (26) 382.	in horses, treatment, (40) 586.
solutions, determination of strength, (32) 207.	Ascarids—
Arsenites, see Paris green.	affecting sheep in Algeria, (31) 86.
Arsenobenzol—	chemistry and toxicology, (27) 290.
bactericidal action, (39) 488. in glardiasis, treatment, (40) 884.	development, (26) 279. in dogs, studies, (40) 186, 187.
use against equine influenza, (30) 385.	in horses, treatment, (26) 588.
Arsenophenylglycin, use against dourine, (26) 881;	remedies, (37) 578.
(27) 284.	toxic product, studies, (40) 84.
Arsphenamin, effect on complement and antibody production, (40) 287.	toxins of, (30) 278.
Art in the home, (26) 299.	Ascaris— . canis and A. felis, comparison, (37) 163.
Artemisia—	equorum extracts, effect on blood coagulation,
frigida, analyses, (26) 612. maritima, hydrocarbons in, (26) 107.	(26) 279.
spp., analyses, (33) 466.	infestation, effect on serum treatment of hog cholera, (37) 881.
water requirements, (29) 826. Arterial sclerostomatosis in horses, (32) 84.	inflexa, treatment, (35) 385.
Arterial sclerostomatosis in horses, (32) 84.	lumbricoides—
Arteriosclerosis— in sheep, studies (28) 182	and A. mystax in mice, (39) 286.
in sheep, studies, (28) 182. relation to calcium in the diet, (31) 357. studies, (26) 375.	and A. suilla, development in rats and mice,
studies, (26) 375.	(37) 374. and related forms, life history, (38) 385.
Artesian water—	blood-destroying substance in, (40) 890.
for irrigation in Montana, (36) 486. in Australia, (31) 185.	eggs of, (33) 681.
ensiern and sommern Florida, (30) 113.	studies, (30) 587, 681, 886.
Missouri, (31) 812. New South Wales, (30) 119.	viability of eva, (26) 588. megalocephalu—
New South Wales, (30) 119.	disease of, (28) 181.
of Argerich, Argentina, (28) 214. Artesian wells—	disease of, (28) 181. studies, (27) 384.
decrease of flow, (34) 483.	toxic properties, (26) 481; (30) 781.
in western Queensland, (38) 591. increasing yield of, (29) 484.	poisoning, notes, (26) 883. spp., dissemination by flies, (30) 659.
increasing yield of, (29) 484.	spp., embryology, (30) 555.
Arthritis— chronic, in swine, (38) 381.	spp., embryology, (30) 555. spp., physiological investigations, (31) 679.
in colts, studies, (31) 887.	suum—
infectious, in foals, (37) 382.	catalase content, (38) 582. description, (34) 280.
pyemic, in foals, (34) 83.	in sheep, (31) 781.
septic, in foals, (26) 384. suppurative, treatment, (40) 181.	vituli as a cause of intestinal impaction, (26) 279.
Arthrochemon macrostachyum, analyses, (33) 466.	Aschersonia—
Arthrochodax—	(cubensis?) on star scale, (38) 157.
constricts n sp., description, (33) 255.	paraensis n.sp., notes, (37) 148.
meridionalis n.sp., description, (27) 57. occidentalis—	spp., descriptions, (33) 459. spp., notes, (27) 860; (30) 455.
n.sp., notes, (28) 858.	suzukii n.sp., notes, (30) 455.
notes, (28) 457.	turbinata, ascosporic stage, (31) 145.
parasitic on red spider, (32) 157.	Aschersonias, culture and germination tests, (27)
Arthropods—	356.
Arthropods—	356. Asclepias—
Arthropods— affecting dogs, (39) 892. affecting man, (32) 846.	356. Asclepias— curassavica, carotinoid content, (31) 803. fruticosa, fiber from, (39) 442.
Arthropods— affecting dogs, (39) 892. affecting man, (32) 846. affecting man and animals, (27) 453.	356. Asclepins— curassavica, carotinoid content, (31) 803. fruticosa, fiber from, (39) 442. spp., notes, (32) 778.
Arthropods— affecting dogs, (39) 892. affecting man, (32) 846.	356. Asclepias— curassavica, carotinoid content, (31) 803. fruticosa, fiber from, (39) 442.

Ascochyta—	Ashes—Continued.
abelmoschi n.sp., description, (39) 649.	volcanic, effect on soils, (29) 726.
abelmoschi n.sp., description, (39) 649. atropa, notes, (32) 749.	weed, effect on tobacco soils, (36) 513.
boerhaaviae n.sp., description, (37) 748.	wood, see Wood ashes.
egrances a sp., describing, 631 843.	Asiatic lady bird, notes, (28) 159; (29) 258.
citrullina, inoculation experiments, (29) 847.	Asilidae, new species from southern California, (35)
citrullina, inoculation experiments, (29) 847, clematidina, studies, (33) 650; (31) 249, colorata as affected by cold, (34) 534.	855.
colorata as affected by cold, (34) 535.	Asio wilsonianus, notes, (27) 355.
corticola, notes, (31) 244.	Asiphonaphis pruni n.g. and n.sp., description,
corticola, notes, (31) 244. fagopyri tulensis, notes, (28) 443.	(10) 355.
gerberae n.sp., description, (31) 845.	Asiphum sacculi n.sp., description, (31) 351.
heveae n.sp., notes (39) 452.	Askaron, studies, (40) 84.
hortorum—	Asobara orientalis n.sp., description, (30) 256.
notes, (27) 849.	Asparagin —
on artichoke, (37) 150. studios, (31) 344, 747.	as source of ammonia, (29) 723.
Studios, (31) 344, 747.	assimulation by plants, (26) 32.
laricina n.sp., description, (30) 716.	distribution in plants, (30) 129.
lycopersici on greenhouse tomutoes, (36) 250.	effect on —
n.spp., descriptions, (28) 140.	baking quality of flour, (20) 356; (30) 555.
on leguminous plants, life history, (33) 518.	fungi, (28) 444.
on peas, (39) 354. pallor, notes, (27) 448. perfect stage, (28) 819.	legume bacteria, (29) 733.
parior, notes, (21) 720.	nulk production and quality, (26) 476.
piniperda, notes, (31) 646.	wheat, (27) 731.
pisi—	formation in lupines, (36) 632.
escigorous stage of, (29) 645.	formation in sprouting vetches, (27) 634.
life history, (28) 845. notes, (29) 447; (32) 544; (33) 647.	in hops, (32) 502.
notes, (29) 447; (32) 544; (33) 647.	malt sprouts, (26) 24.
Stricties, (31) 736.	sugar beets, (28) 810.
treatment, (32) 516.	sugar cane juice, (30) 15. nitrilication—
treatment, (32) 516. sp., notes, (27) 45; (37) 550. sp. on cereals, (32) 843.	as affected by lime, (38) 119.
sp. on cereals, (32) 843.	in soils, (26) 722.
sp. on clematis, (31) 347.	rate, (32) 124.
Ascogaster—	nitrogen assimilation from, (27) 331.
canifrons, notes, (30) 755.	rôle in riponing seeds, (26) 730.
carpocapsae, notes, (28) 61; (39) 361.	utilization by pea seedlings, (27) 730.
Ascomyceles—	Asparaginie aeld—
culture experiments, (32) 341.	in mulberry leaves, (31) 203.
sp. on betel vine, (34) 50.	inversion of saccharose by, (32) 711.
Ascophyllum nodosum, analyses, (37) 814.	Asparagus—
Asemantoideus dublus n.sp., description, (37) 59.	analyses and food value, (29) 461.
Ash— and willow scale, notes, (30) 53.	asiaticus, analyses and digestibility, (32) 167.
as affected by tarring roads, (26) 432.	beans, description, (30) 828.
borer, see Podosesia syringae.	beetle
characteristics and management, (34) 346.	egg parasite, studies, (33) 658.
constituents-	notes, (27) 53; (28) 752; (38) 61.
effect on growth of pigs, (28) 98.	12-spotted, notes, (28) 351.
rôle in living plants, (35) 131.	12-spotted, studies, (29) 556.
determination-	breeding—
in foodstuffs, (29) 366, 809.	and selection, (38) 640.
in plant substances, (34) 202.	experiments, (26) 44.
of alkalinity, (36) 204.	for rust resistance, (26) 44; (28) 339, 538; (36)
distribution and cut in North Carolina, (33) 144.	138. review of investigations, (28) 539.
eccentric growth of, (31) 538.	canned, tin poisoning from, (31) 67, 461.
factor in poultry feeding, (31) 568.	coming. (38) 41.
forcing experiments, (28) 435. from body fluids, methods of analysis, (32) 114.	canning, (38) 41. chemical studies, (36) 839. cold storage, (39) 314.
in crowing pieces a floated by protein consump-	cold storage, (39) 314.
in growing pigs as affected by protein consumption, (32) 72.	composition as affected by fertilizers, (27) 500.
leaf bug, notes, (36) 551; (40) 753.	COUNTRY, (ST) OWN.
manna, composition and adulteration, (33) 443.	culture, (31) 739; (35) 141; (38) 41; (40) 538.
mountain-	culture— # 25
host of apple uphis. (28) 251.	experiments, (35) 341; (38) 40.
hast of Archine argumently (97) 180	in Caliornia, (35) 835.
of grains, copper determination in, (40) 807. of vinegar, notes, (27) 410. psylla, notes, (26) 146. rust, notes, (26) 62. sawlly, notes, (26) 254.	in New Jorsey, (40) 638. on acid soil, (40) 324.
of vinegar, notes, (27) 410.	on acid soil, (40) 324.
psylla, notes, (26) 146.	relation to soils, (26) 640. deterioration in, (39) 13.
rust, notes, (26) 52.	discourse description (20) 222
Sawity, notes, (20) 204.	diseases, description, (32) 238. diseases, treatment, (39) 52.
seeds, oil from, (26) 503. trees, metabolism and translocation in, (27) 425.	fertilizer experiments, (26) 31, 44, 299, 817; (28)
utilization, (37) 548.	236, 325, 339; (34) 294; (36) 121, 138, 839.
volcanic, reclamation, (28) 220.	fly, notes, (34) 851.
Ashes—	fly, remedies, (36) 355.
analyses, (28) 326; (33) 723; (34) 425; (35) 127;	fungus disease of, (32) 146.
(38) 625; (39) 730.	insects affecting, (28) 451; (38) 41.
as fertilizer, (34) 494.	Juice, mannit from, (27) 502; (31) 10.
as fertilizer, (34) 494. as source of potash, (34) 327, 425; (37) 427.	keeping after cutting, (37) 342.
corncob, analyses, (40) 621.	marketing cooperatively, (29) 392.
crematory, analyses, (27) 327.	miner, studies, (29) 555.
damage caused by, (28) 811.	officinalis fruit, composition, (39) 107.
effect on vegetation, (30) 131.	plumosus nanus, tropisms of, (30) 430.
fertilizing value, (30) 230; (32) 140; (39) 116, 429,	preparation and use, (32) 253.
430.	preservation by freezing, (39) 344. Rhizoctonia disease, (38) 648; (40) 747, 844.
from Vesuvius, analyses, (27) 422. incinerator, analyses, (35) 128.	roots as affected by fertilizers, (28) 236; (30) 142.
injury to plants, (32) 729.	roots, carbohydrates in. (26) 24.
leached, fertilizing value, (20) 427.	roots, carbohydrates in, (26) 24. rust, notes, (28) 538; (38) 41.
utilization in agriculture, (40) 129.	rust-resistant strains, (40) 538.
CONTINUOUS TO OBTION OF IS AND THE	

American Continued	Amerillus Continued
Asparagus—Continued. seed, impermeable, viability, (35) 740.	Aspergillus—Continued. oryzae—continued.
soup, notes, (29) 461.	koji acid from, (30) 202.
sp., analyses and digestibility, (27) 871.	utilization of rice proteins by, (29) 505.
varieties, (38) 40, 241. Aspartic acid—	varieties of, (29) 565.
as source of ammonia, (29) 723.	sartoryi n.sp., studies, (20) 844.
assimilation by plants, (26) 32.	parasiticus n.sp., description, (28) 746. sartoryi n.sp., studies, (20) 844. selective power of, (33) 824. sp., treatment, (33) 149.
action of alcohol on plant cells, (34) 333.	sp., affecting coffee grains, (34) 545.
baking quality of flour, (26) 356; (30) 555.	spp. an effected by phosphorus and magnesium, (29) 825.
Aspen—	(29) 825. spp., eleavage of methyl glucosid by, (30) 11.
as permanent forest type, (37) 837. as temporary forest type, (38) 847.	spp., formation of tannase by, (27) 408.
reproduction, (39) 50.	spp., growth in presence of salt, (32) 176.
reproduction as affected by grazing, (40) 448. soda pulp from, (31) 715.	spp., notes, (28) 252, 562. spp., proteolytic activities, (40) 721.
tortrix, notes, (40) 456.	terreus n.sp., description, (30) 648.
value in reforestation, (31) 839.	terricola, enzyms of, (33) 410.
Aspergillopsis spp. in Norway, (31) 327. Aspergillosis—	Asperisporium caricae, notes, (37) 550. Asphalt—
in canaries, (29) 84.	papers on, (33) 782,
in ostrich chicks, (35) 678.	paving cements and road binders, (30) 290.
in poultry, notes, (28) 185. Aspergillus—	penetration tests, (34) 685. production in United States, (38) 692.
ammonifying power, (32) 29.	Asphalts—
flavescens, notes, (28) 557.	rock, of Oklahoma, (29) 591. specifications and definitions, (35) 888.
flavus, description, (33) 459. fumigatus—	Asphaltum—
description, (39) 648.	as dressing for fruit tree wounds, (34) 154.
notes, (29) 84.	use against peach borer, (27) 54.
rôle in silage poisoning, (37) 728. spore formation in, (29) 80. toxin produced by, (27) 780.	Asphondylia— miki, notes, (27) 161.
toxin produced by, (27) 780.	opuntiae, see Cactus midge.
gracilis, occurrence in sugar, (26) 505. growth in arsenic solutions, (35) 281. nidulans, description, (39) 648.	websteri n.sp., description, (38) 563.
nidulans, description, (39) 648.	Aspidiotiphagus citrinus—
niquians in canned foods, (40) 764.	endophagy, (38) 460. notes, (26) 247, 554; (28) 159, 754.
niger— action of zinc sulphate on, (40) 222.	parasitic on purple scale, (26) 757.
amygdalin diastases in, (30) 241.	Aspidiotus-
niger as affected by—	ancylus, see Putnam's scale.
acids and salts, (29) 734. chemicals, (28) 444; (30) 241, 630.	articulatus, notes, (27) 357. camelliae, see Greedy scale.
manganese, (27) 129. metals, (30) 824.	destructor affecting bananas, (30) 157.
potassium, rubidium, and caesium, (28) 527.	destructor, notes, (29) 858; (36) 355. (Dinspidiotus) tsugne n.sp., description, (26)
silver salts, (29) 554.	248.
zinc, (28) 226. niger—	ficus, see Florida red scale.
assimilation of zinc by, (30) 523.	hartii, notes, (40) 259. hederae, notes, (32) 56.
citrus acid fermentation, (37) 613. development as affected by various salts,	juglans-regiae, see Walnut scale.
(28) 824.	n.sp. and n.subsp., descriptions, (40) 355. osborni, notes, (33) 252.
development in acid solutions, (27) 848.	ostreasformis, see Fruit scale, European, oxycoccus, notes, (28) 854. pectinatus n.sp., description, (27) 358, perniclosus, see San José scalo.
enzyms in, (30) 805.	oxycoccus, notes, (28) 854.
niger, formation— and regulation of enzyms by, (31) 730.	permitus n.sp., description, (21) 308, permiciosus, see San José scalo
of ammonia by, (28) \$03. of tannase in, (29) 132.	
of tannase in, (29) 132. niger	spp., notes, (27) 750; (28) 854; (29) 654, 853; (38) 157.
group, studies, (36) 130.	(Targionia) vitis, notes, (26) 655.
growth as affected by manganese, (29) 219.	trilobitiformis, notes, (28) 752.
growth in plant decoctions, (37) 728; (38) 524.	tsugae in New Jersey, (34) 355. uvae, see Grape scale.
· inulase formation in, (40) 518.	viticola n.sp., description, (33) 653.
invertase of, (28) 727.	Aspidistra, leaf spot disease of, (30) 448.
metabolism in, (30) 727. mutation in, (28) 430; (30) 630; (31) 225. nitrogen fixation by, (26) 123; (31) 721; (36)	Aspidogastridae of North America, (38) 365. Aspirator, description, (39) 714.
nitrogen fixation by, (26) 123; (31) 721; (36)	Aspirin, determination, (27) 499.
632; (37) 129. nitrogen nutrition of, (27) 26; (32) 327.	Asses—
notes, (30) 450; (37) 51. on citrus, (35) 748.	breeding in United States, (39) 74. color Inheritance and sex ratio, (38) 574.
on citrus, (35) 748.	digestion experiments, (32) 262.
on onions, (37) 349. phosphorus assimilation in, (26) 203.	feeding experiments, (31) 769.
relation to apple rot, (33) 348.	improvement, value of good sires, (37) 866. in Germany, (33) 296.
relation to iodin compounds, (29) 133. sensitiveness to manganese, (27) 228.	in Tunis, description, (27) 571.
niger, utilization of—	Poitou, measurements, (29) 169.
copper by, (29) 628. glucinium by, (29) 28.	textbook, (31) 470. treatise, (37) 769.
phytin by, (30) 805.	Assimilation and respiration of plants, relationship,
uranium nitrate by, (29) 422.	(31) 222.
zinc by, (31) 224. niger, zymase formation in, (39) 733.	Association— for Standardizing Paving Specifications, report,
Orvzae	(28) 384.
amylase of, (31) 13; (40) 504.	of Agricultural College Editors, (35) 199. Agricultural Experiment Stations of Ger-
amylase of, (31) 13; (40) 504. enzyms of, (32) 710. in tamari-koji, (29) 161.	many, (28) 715.

Association—Continued.	Atichia dominicana n.sp., description, (31) 242.
of American Agricultural Colleges and Experi-	Atmometer—
ment Stations, (26) 1, 8; (27) 798; (28) 7;	mounting, nonabsorbing, (40) 715.
ment Stations, (28) 1, 8; (27) 708; (28) 7; (29) 601; (30) 399; (32) 1, 8, 194; (33) 94, 301; (34) 798; (35) 297, 701; (37) 601, 698; (38) 800; (39) 701, 800, 896. American Dairy, Food, and Drug Officials, (28) 803; (30) 802; (30) 501, 603; (38) 768. Austrian Experiment Stations, (30) 599.	porous cup—
(34) 798; (30) 297, 701; (37) 001, 008; (30) 500;	construction and use, (34) 34. description, (33) 224; (36) 226.
American Deiry Food and Drug Officials	notes, (39) 810.
(28) 863: (30) 862: (36) 561, 663: (38) 768.	
Austrian Experiment Stations, (30) 599.	Atmometers—
Drainage and Levee Districts of Illinois,	discussion and use, (38) 523.
Drainage and Levee Districts of Illinois, proceedings, (28) 890.	relative merits, (33) 320; (37) 429. use in study of insects, (31) 350.
Farmers' Institute Workers. (26) 1.	
Feed Control Officials, (26) 1; (28) 74, 98;	Atmosphere—see also Air.
(30) 406; (32) 8, 200.	absorption of ultraviolet light by, (32) 210.
(30) 300; (32) 200. Official Agricultural Chemists, (26) 97, 613; (27) 495, 616; (28) 513; (29) 795; (30) 317; (32) 8, 294; (33) 400; (31) 501; (35) 410; (36) 205; (37) 601; (39) 400, 702.	and the Névé, aqueous exchange between, (38) 812.
(27) 400, 010, (20) 010, (20) (30, (30) 011,	aqueous vapor of, (38) 210.
205: (37) 601: (39) 400, 702	charts, notes, (26) 214.
Official Dairy Instructors, (27) 106.	circulation and temperature, (34) 611.
Official Seed Analysts, (26) 1, 200; (32) 8, 200;	circulation of, (31) 615; (32) 315; (35) 419, 808.
(34) 832; (39) 702. Southern Agricultural Workers, (34) 1; (40)	composition, (28) 213.
Southern Agricultural Workers, (34) 1; (40)	condensation of aqueous vapor in, (37) 716.
301.	dust layers in, (27) 316.
Asteia n.spp., notes, (35) 259. Asterochiton (Aleyrodes) packardi, notes, (33) 58.	eddy motion in, (34) 117. effect on evaporation, (33) 320.
Asterocution (Aleyrodes) packardi, notes, (35) 35.	evaporation in, (31) 615.
Asterocystis radicis, notes, (28) 52; (37) 248. Asterolecanium—	examination, (39) 210.
bambusae in California, (35) 358.	function in wireless transmission, (32) 614
pustulans, notes, (33) 554.	heating, (27) 616.
quercicolu, notes, (27) 755; (28) 353.	higher, notes, (32) 614.
variolosum (A. quercicola), notes, (38) 654.	horizontal and vertical movement, (36) 718.
Asteroma—	ionic densities, (38) 510.
brassicae, notes, (32) 545.	ionization of aqueous vapor in, (35) 618. meteorological elements, as affected by wind
rosae, notes, (37) 550.	velocity, (40) 715.
Asterostroma albidocarneum, notes, (27) 749; (28) 649.	moisture condition, index, (38) 522.
Asters—	motion in lowest layers, (38) 511.
bacterial disease affecting, (27) 547.	nitrogen in, (38) 509.
black neck or wilt disease affecting, (34) 649.	nocturnal cooling, (39) 114.
China, varieties at Wisley, (33) 536. cut, preservation, (31) 837.	of Mars, (32) 210.
cut, preservation, (31) 837.	optical properties, (33) 19.
fungus disease affecting, (26) 551. Fusarium disease of, (32) 48.	penetrating radiation in, (34) 614.
rusarium disease of, (32) 48.	physics of, (28) 617; (39) 616. pressure waves in, (26) 118.
manual, (28) 438. mildew affecting, (32) 544.	propagation of sound in, (35) 618.
woody, identification, (29) 77.	radiation in, (33) 806; (38) 210.
woody, notes, (31) 578.	radioactive products in, (30) 619.
Asterula chamaecyparisii n.sp., description, (27)	radium emanations of, (31) 20, 511; (33) 211.
149.	revolving fluid in, (38) 511. solar, motion of, (31) 615.
Asthenia, infectious, of fowls, (39) 291.	solar, motion of, (31) 615.
Astragalinus tristis, destruction of grain aphids by,	stories of, (35) 115.
(29) 452. Astragalus—	structure in clear weather, (27) 815. thermal state of, (31) 20.
bisulcatus, toxicity, (37) 780.	thermodynamics of, (32) 210.
mollissimus, description, (39) 386.	transparency for ultraviolet radiation, (38) 511.
mollissimus, histology, (38) 481.	upper-
spp., notes, (32) 778.	haze of, (29) 314.
toxicity, (26) 432.	ionization, (36) 419. paper on, (27) 316.
Astrobla—	paper on, (27) 310.
pectinata, analyses, (28) 463.	windy, Döppler's principle, (38) 510.
pectinata, culture experiments, (30) 632. triticoldes, culture in Hawaii, (32) 729.	Atmospheric-
Astyage —	circulation and radiation, treatise, (34) 414. (39) conditions, effect on hardness of rain water, (29)
lineigera, notes, (33) 658.	122.
punctulata n.sp., notes, (37) 359.	conditions, relation to downy mildew, (26) 550.
Astyeus immunis, notes, (34) 652.	electricity—see also Electricity.
Asymplesical india n.sp., description, (36) 557.	as affecting plants, (40) 424.
Asyndesmus lewisi, feeding habits, (29) 51.	during solar eclipse, (38) 510.
Ataxia crypta, notes, (38) 363. Atelenevra spuria, life history, (33) 860.	problems, (35) 419.
Atelocera strictica, notes, (28) 654.	impurities, effect on vegetation, (26) 230; (30) 32.
Atemoya-	molsture, see Humidity. nitrogen, utilization, (27) 520.
a new fruit for the Tropics, (31) 47.	noises. (34) 117.
asexual propagation, (32) 143.	noises, (34) 117. optical disturbance of 1912-13, (31) 615.
Athalia—	optical disturbances, (38) 511.
flacca, notes, (38) 164.	polarization-
spinarum, biology, (33) 746. spinarum, notes, (31) 548.	facts and theories, (27) 316.
Athene noctua, economic importance, (29) 651.	from great heights, (38) 811.
Athesapeuta oryzae n.sp., description, (35) 365.	pollution— in England, (35) 15.
Athletes—	in Great Britain, (35) 420.
and nonathletes—	investigations, (34) 716.
as affected by breakfast and caffein, (39) 68.	investigations, (34) 716. measurement, (28) 717; (40) 209.
metaholism of, (33) 263.	pressure, see Barometric pressure.
training, (30) 465.	refraction at Mount Hamilton, (36) 19.
Athyrosis, fetal, in pigs, (37) 278.	studies, (28) 213.
Athysanus—	transparency for radiation, (31) 212. turbidity, effect on solar radiation and skylight
n.sp., description, (34) 255 spp, notes, (27) 858.	polarization, (29) 314.
and a monoral (with con-	* Automatically South and

Atmospheric—Continued.	Autographa—Continued.
variations, relation to organic evolution, (26)	californica, see Alfalfa looper.
272.	precationis, remedies, (26) 250. Autolactotherapy, notes, (33) 477.
water vapor, data on, (37) 314. Atmospherics, neglect of, (32) 25.	Autolysis—
Atoposoma variegatum, studies, (28) 560.	effect on cholesterol, (29) 309.
Atoxyl, use against—	studies, (39) 607, 608.
catarrhal fever in cattle, (31) 381.	Automeris janus, notes, (38) 159
dourine, (26) 881; (27) 284.	Automobile—
equine influenza, (32) 379. surra, (29) 883.	for soil cultivation, description, (27) 293. moving machines, descriptions, (27) 485.
Atractodes tenebricosus, notes, (33) 862.	registrations, licenses, and revenues, (35) 585;
Atractonomus mali, notes, (30) 53; (32) 849; (40) 60.	(37) 590.
Atriplex—	Automobiles—
canescens, localization of betain in, (27) 203.	effect on road surfaces, (29) 388. relation to good roads, (29) 291.
halimoides, analyses, (27) 469.	use in stream measurement, (33) 777.
hortensis, agglutinating properties, (31) 774. hortensis, insect and arachnid enemies of, (29)	Autoparasitism in Cassytha melantha, (34) 626.
853.	Autoserotherapy—
leptocarpa canescens, culture experiments, (30)	in veterinary practice, (30) 385.
632.	investigations, (31) 876.
seed, impermeable, viability, (35) 740.	Autotherapy, notes, (27) 684; (29) 175.
semibaccata, seeding on ranges, (30) 35.	Autovaccines in wound treatment, (10) 883 Auxanometer, description, (36) 226.
spp., analyses, (33) 466. vesicaria, analyses and digestibility, (26) 872;	Auximones—
(32) 167.	bacterial test for, (34) 325.
Atropa belladonna, breeding experiments, (30) 631.	effect on plant growth, (37) 719.
Atropin—	effect on soil bacteria, (37) 517.
detection in water, (34) 410.	formation, (36) 825.
effect on absorption of sugar, (28) 763. effect on milk secretion, (28) 175.	Auxoamylases— nitrogenous, notes, (38) 311.
Atta—	notes, (37) 204.
insularis, notes, (27) 756; (28) 855.	studies, (40) 504.
insularis, notes, (27) 756; (28) 855. insularis, remedies, (35) 761.	Avalanches—
spp., control in Argentina, (26) 452.	control in Switzerland, (29) 842. in Northern Cascades, (26) 241.
texana, occurrence in Louisiana, (38) 564.	Avens—
texana, studies, (27) 203.	elatior—
Attagenus— plebius, life history, (38) 557.	culture under dry-land conditions, (31) 429.
plebius, notes, (37) 567.	germination tests, (28) 327; (29) 143.
undulatus, studies, (37) 356.	fatua—
Attelabidae, notes, (30) 856.	eradication, (27) 435. geographical distribution, (26) 334.
Atvidaberg Dairy Bacteriological Institution, report, (35) 379.	germination studies, (31) 624.
port, (35) 379.	germinative qualities, (29) 135, 538.
Auchmeromyia luteola n.g. and n.sp., notes, (26)	relation to cultivated outs, (32) 131.
559. Auchmeronyids, studies, (30) 458.	studies, (29) 337.
Auction marketing, (40) 489.	flavescens, culture in New Zealand, (29) 428. nuda crosses, inheritance in, (40) 629.
Aucuba—	seedlings, transmission of light stimuli in, (28)
japonica, blackoning of leaves, (30) 524. pectins of, (29) 608.	529.
peculis of, (29) 608.	spp., classification, (36) 834.
Audubon, biography of, (39) 654. Augite decomposition by soil bacteria and yeast,	spp., studies, (27) 237.
(31) 121.	Avenarius carbolineum oil as a wood preserva- tive, (27) 542.
Augomonoctenus libocedrii n.g. and n.sp., descrip-	Averrhoa spp., asexual propagation, (32) 143.
tion, (40) 761.	Avian—
Aujeszky's disease—	costodes, studies and bibliography, (26) 561.
in Brazil, (28) 184. in mules in Florida, (34) 275.	ova, change in rate of growth, (37) 772.
notes, (31) 579; (33) 179.	Aviguiture school of in Rio de Janeiro (20) 104
Aulacaspis—	
	Aviculture, school of, in Rio de Janeiro, (30) 194.
major n.sp, description, (37) 158	Avocado—
manzanitae n.sp., notes, (29) 356.	Avocado— unthracnose, notes, (27) 750. burk beetle in Hawaii, (34) 59.
manzanitae n.sp., notes, (29) 356. pentagona—see also Diaspis pentagona.	Avocado— anthraenose, notes, (27) 750. bark beetle in Hawaii, (34) 59. fungus rot, description, (38) 454.
manzanitae n.sp., notes, (29) 356. pentagona—see also Diaspis pentagona.	Avocado— unthraenose, notes, (27) 750. burk beetle in Hawaii, (34) 59. fungus rot, description, (33) 454. industry, dovelopment, (26) 743.
manzanitae n.sp., notes, (20) 356. pentagona—see also Diaspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755.	Avocado— anthraenose, notes, (27) 750. bark beetle in Hawaii, (34) 59. fungus rot, description, (33) 454. industry, dovelopment, (26) 742. membracid, notes, (30) 864.
manzanitae n.sp., notes, (20) 336. pentagona—see also Diaspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rosae, see Rose scale.	Avocado— anthraenose, notes, (27) 750. bark beetle in Hawaii, (34) 59. fungus rot, description, (33) 454. industry, dovelopment, (26) 742. membracid, notes, (30) 864.
manzanitae n.sp., notes, (29) 356. pentagona—see also Diaspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rosae, see Rose scale. Aulacophora foveicollis, notes, (27) 53.	Avocado— anthruenose, notes, (27) 750. bark beetle in Hawaii, (34) 59. fungus rot, description, (33) 454. industry, development, (26) 743. membracid, notes, (30) 854. root disease, notes, (27) 445. root rot, notes, (37) 246. tea, recipe, (40) 864.
manzanitae n.sp., notes, (20) 356. pentagona—see also Diaspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rosae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aulax scabiosae, parasitized by Pediculoïdes ven-	Avocado— unthraenose, notes, (27) 750. burk beetle in Hawaii, (34) 59. fungus rot, description, (38) 464. industry, dovelopment, (26) 743. membracid, notes, (30) 864. root disease, notes, (27) 445. root rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264.
manzanitae n.sp., notes, (29) 356. pentagona—see also Diaspis pentagona. notes, (28) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rosae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aulax scabiosae, parasitized by Pediculoides ventricosus, (27) 665.	Avocado— anthraenose, notes, (27) 750. bark beetle in Hawaii, (34) 59. fungus rot, description, (33) 464. industry, dovelopment, (26) 743. membracid, notes, (30) 854. root disease, notes, (37) 246. root rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados—
manzanitae n.sp., notes, (20) 356. pentagona—see also Diaspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rosae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aulax scabiosae, parasitized by Pediculoïdes ventricosus, (27) 565. Aulets spp., notes, (30) 357. Aurochs—	Avocado— unthraenose, notes, (27) 750. burk beetle in Hawaii, (34) 59. fungus rot, description, (33) 454. industry, dovelopment, (26) 743. membracid, notes, (30) 854. root disease, notes, (27) 445. root rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analyses, (32) 761; (40) 763.
manzanitae n.sp., notes, (29) 356. pentagona—see also Dinspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rosae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aular scabiosae, parasitized by Pediculoïdes ventricosus, (27) 565. Aulets spp., notes, (30) 357. Aurochs— extermination, (28) 466.	Avocado— unthraenose, notes, (27) 750. burk beetle in Hawaii, (34) 59. fungus rot, description, (38) 494. industry, development, (26) 743. membracid, notes, (30) 854. root disease, notes, (27) 445. root rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analysos, (32) 761; (40) 763. breeding experiments, (37) 142.
manzanitae n.sp., notes, (29) 356. pentagona—see also Dinspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rossae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aular scabiosae, parasitized by Pediculoïdes ventricosus, (27) 665. Auletes spp., notes, (30) 357. Aurochs— extermination, (28) 466. old pictures of, (28) 365.	Avocado— unthraenose, notes, (27) 750. burk beetle in Hawaii, (34) 59. fungus rot, description, (33) 454. industry, dovelopment, (26) 743. membracid, notes, (30) 864. root disease, notes, (27) 445. root rot, notes, (37) 246. taa, recipe, (40) 804. weevil, notes, (28) 357; (39) 264. Avocados— analysos, (32) 761; (40) 763. breeding experiments, (37) 142. budded, tests, (36) 537. budding, (32) 143.
manzanitae n.sp., notes, (29) 356. pentagona—see also Dinspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rossae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aular scabiosae, parasitized by Pediculoïdes ventricosus, (27) 665. Auletes spp., notes, (30) 357. Aurochs— extermination, (28) 466. old pictures of, (28) 365.	Avocado— anthraenose, notes, (27) 750. burk beetle in Hawaii, (34) 59. fungus rot, description, (38) 494. industry, dovelopment, (26) 743. membracid, notes, (30) 854. root disease, notes, (27) 445. root rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analysos, (32) 761; (40) 763. breeding experiments, (37) 142. budded, tests, (36) 537. budding, (32) 143. cold storage of, (32) 439.
manzanitae n.sp., notes, (29) 356. pentagona—see also Dinspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rossae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aular scabiosae, parasitized by Pediculoïdes ventricosus, (27) 665. Auletes spp., notes, (30) 357. Aurochs— extermination, (28) 466. old pictures of, (28) 365.	Avocado— unthraenose, notes, (27) 750. burk beetle in Hawaili, (34) 59. fungus rot, description, (33) 454. industry, dovelopment, (26) 743. membracid, notes, (30) 854. root disease, notes, (27) 445. root rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analyses, (32) 761; (40) 763. breeding experiments, (37) 142. budded, tests, (36) 537. budding, (32) 143. cold storage of, (32) 439. composition and nutritive value, (33) 362.
manzanitae n.sp., notes, (29) 356. pentagona—see also Dinspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rossae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aular scabiosae, parasitized by Pediculoïdes ventricosus, (27) 665. Auletes spp., notes, (30) 357. Aurochs— extermination, (28) 466. old pictures of, (28) 365.	Avocado— anthraenose, notes, (27) 750. burk beetle in Hawaii, (34) 59. fungus rot, description, (38) 454. industry, development, (26) 743. membracid, notes, (30) 854. root disease, notes, (37) 445. root rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analysos, (32) 761; (40) 763. breeding experiments, (37) 142. budded, tests, (36) 537. budding, (32) 143. cold storage of, (32) 439. composition and nutritive value, (33) 362. crown gall affecting, (28) 447.
manzanitae n.sp., notes, (29) 356. pentagona—see also Dinspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rossae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aular scabiosae, parasitized by Pediculoïdes ventricosus, (27) 665. Auletes spp., notes, (30) 357. Aurochs— extermination, (28) 466. old pictures of, (28) 365.	Avocado— unthraenose, notes, (27) 750. bark beetle in Hawaii, (34) 59. fungus rot, description, (33) 454. industry, dovelopment, (26) 743. membracid, notes, (30) 864. root disease, notes, (27) 445. root rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analyses, (32) 761; (40) 763. breeding experiments, (37) 142. budded, tests, (36) 537. budding, (32) 143. cold storage of, (32) 439. composition and nutritive value, (33) 362. crown gall affecting, (28) 447. culture, (33) 342; (35) 542; (38) 541.
manzanitae n.sp., notes, (29) 356. pentagona—see also Diaspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rosae, see Ross scale. Aulacophora foveicollis, notes, (27) 53. Aulars scabiosae, parasitized by Pediculoïdes ventricosus, (27) 656. Auletes spp., notes, (30) 357. Aurochs— extermination, (28) 466. old pictures of, (28) 365. Aurora— noteworthy, (26) 614. of August 26, 1916; (37) 115. of August 1917, (38) 210. of September 30, 1916; (36) 419. Auroral sound, notes, (31) 212.	Avocado— anthraenose, notes, (27) 750. burk beetle in Hawaii, (34) 59. fungus rot, description, (38) 464. industry, development, (26) 743. membracid, notes, (30) 864. root disease, notes, (27) 445. root rot, notes, (27) 246. taa, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analyses, (32) 761; (40) 763. breeding experiments, (37) 142. budded, tests, (36) 537. budding, (32) 143. cold storage of, (32) 439. composition and nutritive value, (33) 362. crown gal affecting, (28) 447. culture, (33) 342; (35) 542; (38) 541. culture—
manzanitae n.sp., notes, (29) 356. pentagona—see also Dinspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. rosae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aular scabiosae, parasitized by Pediculoides ventricosus, (27) 665. Auletes spp., notes, (30) 357. Aurochs—extermination, (28) 466. old pictures of, (28) 365. Aurora—noteworthy, (28) 614. of August 26, 1916; (37) 115. of August, 1917, (38) 210. of September 30, 1916; (36) 419. Auroral sound, notes, (31) 212. Auroras—	Avocado— unthraenose, notes, (27) 750. burk beetle in Hawaii, (34) 59. fungus rot, description, (33) 454. industry, dovelopment, (26) 743. membracid, notes, (30) 854. root disease, notes, (27) 445. root rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analyses, (32) 761; (40) 763. breeding experiments, (37) 142. budded, tests, (38) 537. budding, (32) 143. cold storage of, (32) 439. composition and nutritive value, (33) 362. crown gall affecting, (28) 447. culture— and marketing, (26) 841. and uses, (30) 144.
manzanitae n.sp., notes, (29) 356. pentagona—see also Diaspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rosae, see Ross scale. Aulacophora foveicolis, notes, (27) 53. Aular scabiosae, parasitized by Pediculoïdes ventricosus, (27) 656. Auletes spp., notes, (30) 357. Aurochs— extermination, (28) 466. old pictures of, (28) 365. Aurora— noteworthy, (26) 614. of August, 1917, (38) 210. of September 30, 1916; (36) 419. Auroral sound, notes, (31) 212. Auroras— device for observing radiants, (38) 511.	Avocado— unthraenose, notes, (27) 750. bark beetle in Hawaii, (34) 58. fungus rot, description, (33) 454. industry, development, (26) 743. membracid, notes, (30) 864. root disease, notes, (27) 445. root rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analysos, (32) 761; (40) 763. breeding experiments, (37) 142. budded, tests, (36) 537. budding, (32) 143. cold storage of, (32) 439. composition and nutritive value, (33) 362. crown gall affecting, (28) 447. culture— and marketing, (26) 841. and uses, (30) 144. experiments, (27) 142; (32) 742; (37) 144;
manzanitae n.sp., notes, (29) 356. pentagona—see also Dinspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rosae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aular scabiosae, parasitized by Pediculoïdes ventricosus, (27) 665. Auletes spp., notes, (30) 357. Auletes spp., notes, (30) 357. Aurochs— extermination, (28) 466. old pictures of, (28) 335. Aurora— noteworthy, (28) 614. of August 26, 1916; (37) 115. of August 26, 1916; (37) 115. of September 30, 1916; (36) 419. Auroras— device for observing radiants, (38) 511. notes, (34) 413, 614.	Avocado— unthraenose, notes, (27) 750. burk beetle in Hawaii, (34) 59. fungus rot, description, (33) 454. industry, dovelopment, (26) 743. membracid, notes, (30) 854. root disease, notes, (27) 445. root rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analyses, (32) 761; (40) 763. breeding experiments, (37) 142. budded, tests, (36) 537. budding, (32) 143. cold storage of, (32) 439. composition and nutritive value, (33) 362. crown gall affecting, (28) 447. culture— and marketing, (26) 841. and uses, (30) 144. experiments, (27) 142; (32) 742; (37) 144; (40) 339.
manzanitae n.sp., notes, (20) 356. pentagona—see also Dinspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rosae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aulax scabiosne, parasitized by Pediculoïdes ventricosus, (27) 665. Auletes spp., notes, (30) 357. Auletes spp., notes, (30) 357. Aurochs— extermination, (28) 466. old pictures of, (28) 365. Aurora— noteworthy, (28) 614. of August 26, 1916; (37) 115. of August, 1917, (38) 210. of September 30, 1916; (38) 419. Auroral sound, notes, (31) 212. Auroras— device for observing radiants, (38) 511. notes, (34) 413, 614. Australia, tropical, settlement, (38) 812.	Avocado— unthraenose, notes, (27) 750. bark beetle in Hawaili, (34) 59. fungus rot, description, (33) 454. industry, dovelopment, (26) 743. membracid, notes, (30) 854. rot disease, notes, (27) 445. rot rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analyses, (32) 761; (40) 763. breeding experiments, (37) 142. budded, tests, (36) 537. budding, (32) 143. cold storage of, (32) 439. composition and nutritive value, (33) 362. crown gall affecting, (28) 447. culture— and marketing, (28) 441. and uses, (30) 144. experiments, (27) 142; (32) 742; (37) 144; (40) 339. in Florida, (38) 642. Florida and West Indies, (37) 144.
manzanitae n.sp., notes, (29) 356. pentagona—see also Dinspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. rosae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aular scabiosae, parasitized by Pediculoides ventricosus, (27) 665. Auletes spp., notes, (30) 357. Aurochs— extermination, (28) 466. old pictures of, (28) 365. Aurora— noteworthy, (26) 614. of August, 1917, (38) 210. of September 30, 1916; (36) 419. Auroral sound, notes, (31) 212. Auroras— device for observing radiants, (38) 511. notes, (34) 413, 614. Australia, tropical, settlement, (38) 812. Autoagglutinn in human serum, (39) 186. Autoclave for use in field laboratories, (40) 843.	Avocado— unthraenose, notes, (27) 750. bark beetle in Hawaili, (34) 59. fungus rot, description, (33) 454. industry, dovelopment, (26) 743. membracid, notes, (30) 854. rot disease, notes, (27) 445. rot rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analyses, (32) 761; (40) 763. breeding experiments, (37) 142. budded, tests, (36) 537. budding, (32) 143. cold storage of, (32) 439. composition and nutritive value, (33) 362. crown gall affecting, (28) 447. culture— and marketing, (28) 441. and uses, (30) 144. experiments, (27) 142; (32) 742; (37) 144; (40) 339. in Florida, (38) 642. Florida and West Indies, (37) 144.
manzanitae n.sp., notes, (29) 356. pentagona—see also Diaspis pentagona. notes, (26) 247, 452, 655; (27)556; (30) 655. parasites of, (34) 456. remedies, (32) 755. rosae, see Rose scale. Aulacophora foveicollis, notes, (27) 53. Aular scabiosae, parasitized by Pediculoïdes ventricosus, (27) 656. Auletes spp., notes, (30) 357. Aurochs— extermination, (28) 466. old pictures of, (28) 365. Aurora— noteworthy, (26) 614. of August 28, 1916; (37) 115. of August 28, 1916; (37) 115. of September 30, 1916; (38) 419. Auroras— device for observing radiants, (38) 511. notes, (34) 413, 614. Australia, tropical, settlement, (38) 812. Autoragiutinin in human serum, (39) 186.	Avocado— unthraenose, notes, (27) 750. burk beetle in Hawaii, (34) 59. fungus rot, description, (33) 454. industry, dovelopment, (26) 743. membracid, notes, (30) 854. root disease, notes, (27) 445. root rot, notes, (37) 246. tea, recipe, (40) 864. weevil, notes, (28) 357; (39) 264. Avocados— analyses, (32) 761; (40) 763. breeding experiments, (37) 142. budded, tests, (36) 537. budding, (32) 143. cold storage of, (32) 439. composition and nutritive value, (33) 362. crown gall affecting, (28) 447. culture— and marketing, (26) 841. and uses, (30) 144. experiments, (27) 142; (32) 742; (37) 144; (40) 339.

Avocados-Continued.	Azoturia in horses, prevention, (26) 75.
freezing-point lowering in cell sap, (36) 343.	Azotus—
fungus disease affecting, (26) 841.	chionaspidis n.sp., description, (31) 459. marchali, notes, (27) 556.
heat injury, (39) 151. history in California, (36) 641.	Babcock—
host plant of fruit fly, (26) 758.	glassware, examination, (30) 178, 664.
imported, for California, (30) 740.	glassware, testing, (33) 383. test—
improvement, (38) 842. insects affecting, (27) 756; (39) 264, 862.	bottles, calibration, (31) 875.
	bottles, calibration, (31) 875. directions, (27) 375; (32) 870, 871.
now beetle affecting, (28) 151. new, descriptions, (29) 436, 838.	effect on dairy industry, (27) 283. error in, (26) 371; (27) 500; (28) 207.
of Mexico. (40) 246, 342.	
of Mexico. (40) 246, 342. oil content, (36) 138. oil of, chemical constants, (40) 803.	modified, for ice cream, (31) 210.
oil of, chemical constants, (40) 803.	modified, notes, (27) 499.
papers on, (39) 243. preservation in salt water, (32) 451.	modified, for ice cream, (31) 210. modified, notes, (27) 499. notes, (28) 473; (30) 570, 875; (31) 873; (33) 383; (36) 674.
propagation, (26) 336; (35) 539.	sampling for, (30) 274.
propagation and grafting, (29) 231.	sampling for, (30) 274. studies, (30) 810. use, (33) 676; (37) 175, 875.
recipes, (28) 660, 863. studies, (25) 437.	165001, 1170, (20) 11.
top-working, (30) 939. varietal standardization, (36) 537.	Bahesia-
varietal standardization, (36) 537.	in cattle in Panama, (39) 84
varieties, (34) 835; (35) 448; (36) 641; (37) 144, 243.	notes, (27) 784.
varieties for California, (37) 345.	relation to anaplasmosis, (29) 584.
varieties for Florida, (37) 345.	studies, (29) 882.
variety, new, (10) 151. Avondale Forestry Station, report, (30) 45.	bovis in Netherlands, (40) 557. caballi, description, (31) 382.
Axonopus semialatus, notes, (26) 361.	canis, culture in vitro, (30) 481.
Axonopus semialatus, notes, (26) 361. Ayres, B., biographical skotch, (10) 109.	Babesiasis— and anaplasmosis, differentiation, (26) 584.
Azalea— indica, dispuses and pests of, (30) 247.	canine, in Porto Rico, (31) 781.
indica, leat gill affecting, (29) 48. lace bug, see Stophanitis pyrioides.	in Australia, (30) 82.
lace hug, see Stephanitis pyrioides.	in Yucatun, (27) 782.
leaf skeletonizer, notes, (33) 252. occidentalis, description, (39) 386.	status and control, (37) 480. transmission by ticks, (29) 584.
Azaleas, handbook, (26) 337.	Babul—
Azo dyes -	beetles affecting, (27) 863. pods, analyses, (27) 469.
purification, (40) 808. use against tuberculosis, (33) 481.	tree, description, (38) 45.
Azos, notes, (27) 52.	Baby beef, see Beef, baby.
Azochis gripusalis, notes, (26) 147; (28) 858; (30) 454. Azoimid, assimilation by plants, (26) 32.	Baccha— clavata, notes, (29) 355.
Azolla, assimilation of nitrogen by, (29) 133.	lemur, notes, (29) 455.
Azotobacter— activity in relation to soil condition, (34) 813.	Bacilli— acid-fast—
as affected by carbon disulphid and toluci, (40)	differentiation, (31) 478.
513.	in feces of vertebrates, (31) 875. in lungs of camels, (30) 679.
heyerincki, notes, (28) 721. chroococcum—	in milk. (31) 584.
as affected by ultraviolet rays, (29) 130.	Bang-Stribolt, notes, (28) 480.
biology and taxonomy, (27) 421. composition of cells, (31) 121.	Gaertner group, in animals, (39) 389, 488. Gaertner group, in rats and mice, (30) 355.
evtological studies. (33) 329.	nonlactose-fermenting, in flies, (30) 757. paratyphold and pestifer, agglutination, (27)
development as affected by radioactivity,	paratyphoid and pestiler, agglutination, (27, 888.
growth in bacterized peat, (31) 826.	pathogenic, detection in water and sewage, (38)
in Java soils, (30) 218.	188.
in Russian soils, (38) 428.	pathogenic, disinfection by einchona alkaloids (40) 478.
nitrogen assimilation by, (33) 427. nitrogen fixation by, (27) 517; (33) 427.	Bacillosis, paracolon, in calves, (33) 182.
pigment of, (32) 90.	Bacillus— abortus—
review of investigations, (38) 426. sources of energy for, (28) 323.	and related bacteria, studies, (40) 184.
sources of energy for, (28) 323. studies, (28) 524.	biology, (27) 885; (31) 182.
development (27) 221	characteristics, (29) 779. cultivation, (40) 479.
growth, (27) 828.	detection in animals, (33) 278.
studies, (25) 524. cultures, effect on growth of crops, (28) 814. development, (37) 221. growth, (27) 828. in Danish forest soils, (34) 814. Hawaiian soils, (36) 215. Indian soils, (31) 731. limed graphory soils, (40) 214	detection in milk, (34) 679. gas production by, (35) 785.
Indian soils, (31) 731.	in arthritis of colts, (31) 887.
	blood and milk of affected animals, (33,
soils of foreign countries, (35) 320. media for, (35) 226.	679. certified milk. (37) 881.
morphological and cultural studies (32) 33	certified milk, (37) 881. milk, (29) 282, 305, 500, 778; (31) 79; (32) 674, 677; (33) 679, 774, 875; (38) 286.
nitrate production by, (31) 421.	674, 677; (33) 679, 774, 875; (38) 286. swine, (36) 483.
nitrate production by, (31) 421. nitrogen fixation by, (29) 227; (32) 29, 515; (33) 823; (34) 422; (37) 129.	inoculation of cattle with, (29) 779.
nitrogen release by, (34) 627. soil inoculation with, (40) 617, 832.	inoculation of cattle with, (29) 779. isolating and recovering (40) 479.
soil inoculation with, (40) 617, 832. spp., nutrient medium for, (27) 729.	lipolyticus in milk, (37) 173. lipolyticus, notes, (38) 882. massive cultures of, (37) 687.
stimulation by noisonous substances, (27) 131.	massive cultures of, (37) 687.
studies, (29) 630; (39) 619, 722, 723.	notes, (29) 779; (30) 586.
symbiosis with water plants, (38) 419. symbiotic relation with algae, (40) 130.	pathogenic action of, (26) 586.
Azotogen—	massive cultures 0, (37) 637. notes, (29) 779; (30) 586, (27) 477. pathogenication of, (26) 586. pathogenicity, (40) 583. pathogenicity for human beings, (36) 277.
inoculation experiments with, (40) 823. notes, (26) 723; (27) 322.	pertotoxin production by, (30) 280.
tests, (26) 521, 617; (29) 733; (32) 433.	peptotoxin production by, (30) 280. persistence in inoculated animals, (29) 282

Bacillus-Continued.	Bacillus-Continued.
abortus—continued. relation to abortion in sheep, (30) 684.	bulgarious—continued. organisms in commercial preparations, (33)
relation to abortion in women, (37) 78.	875. tests of strains, (34) 574.
relation to joint-ill, (39) 892. studies, (29) 80; (33) 879; (36) 780; (39) 83,	use in cheese making, (31) 772; (32) 776.
289, 391. virulence, (29) 677; (35) 885.	variability of, (31) 175.
aceris n.sp., description, (29) 157.	burgeri n.sp., description, (35) 451. capsici n.sp., studies, (40) 157.
acidi lactici— in Stilton cheese, (28) 879.	carotovorus, notes, (31) 641; (35) 750; (10) 841. casei filans, notes, (28) 879.
variation with respect to gas formation,	casei proteolyticus, development in cheese, (20)
(30) 180. aerogenes capsulatus—	881. chauvaeui affecting hogs, (31) 479.
in mules, (27) 787. in Washington market milk, (32) 269.	cholerae suis— in Dorset-Niles serum, (29) 82.
amaracrylus, dehydration of glycerin by, (35)	notes, (26) 785.
164. amylobacter on blighted potatoes, (32) 544.	citrimaculans n.sp., description, (38) 552.
amylovorus—	cloacae on green vegetables, (40) 658.
description, (33) 447. leaf invasions by, (34) 647.	coagulans n.sp., description, (34) 78.
longevity, (36) 50. migration in host tissues. (29) 449.	as affected by acids, (10) 991. as test organism for disinfectants, (20) 903.
longevity, (36) 50. migration in host tissues, (29) 449. notes, (29) 49, 848; (31) 346, 644, 746, 843; (33) 348; (34) 247, 648, 747; (37) 755; (40)	causing broncho-pneumonia in calves, (39)
53, 251, 348.	290. coli communis—
pear stocks resistant to, (36) 51. relation to aphids, (34) 452.	action on glucose and mannitol in presence
relation to apple collar rot, (34) 157. studies, (29) 348, 649; (34) 247; (35) 351, 548,	of peptone, (38) 709. in milk, (32) 577.
studies, (29) 348, 649; (34) 247; (35) 351, 548, 848; (36) 50, 351; (40) 746.	in swine, (40) 784. in water supplies, (31) 718.
transmission by aphids, (37) 151, 157.	organism resembling, in condensed milk,
transmission by bees, (36) 59. treatment, (36) 347.	(26) 81. relation to broncho-pneumonia, (36) 384.
anthracis as affected by— serums and leucocytes, (26) 175.	survival of pasteurization by, (32) 775.
ultraviolet rays, (31) 379.	destruction by electricity, (35) 176.
anthracis— detection in cerebrospinal fluid, (31) 578.	detection in water, (28) 509. determination in ice cream, (32) 415; (34)
effect on sheep, (29) 582.	165.
hemolytic powers, (31) 878. notes, (29) 378.	determination in water, (35) 287; (37) 188. Endo medium as a test for, (34) 167.
spores, resistance to heat, (35) 487. symptomatici and allied organisms, gas pro-	freezing, (40) 181. from horse, cow, and man, (36) 379.
duction by, (36) 880. symptomatici, fermenting capacity, (27)	hydrogen-ion concentration by, (34) 524.
182.	importance in judgment of water, (34) 389. in butter. (31) 576.
apiovorus n.sp., description, (31) 542. apiovorus n.sp., notes, (34) 244.	in butter, (31) 576. eggs, (27) 61; (31) 571.
asteracearum n.sp., description, (27) 547.	fresh and decomposing manure, (39) 23. milk, (40) 376.
atrosepticus— and B. melanogenes, relation, (39) 148.	milk, significance, (37) 874. itinerary in butter manufacture, (39) 78.
description, (36) 648. notes, (40) 844.	longevity, (26) 781; (38) 389, 488. notes, (26) 846; (27, 751; (38) 351.
aurantinus n.sp., description, (34) 78.	on coconut paim, (34) 241.
avisepticus-	on green vegetables, (40) 658. relation to coconut bud rot, (34) 442; (35)
affecting man, (39) 186. studies, (40) 685, 882. toxins of, (39) 892.	353, 850.
toxins of, (39) 892. var. in fowls, (32) 783.	relation to diarrhea in calves, (26) 381. relation to slime formation in soils, (29) 723.
baccarinii, organism resembling, (30) 353.	thermal death point, (39) 78.
bipolaris septicus, (40) 183. bipolaris vars., notes, (28) 281.	cuniculicida, isolation from house fly, (38) 362. cyanogenes, relation to blue milk, (32) 775.
bombycis, relation to septicemia in silkworms, (30) 54.	cypripedii n.sp., description, (26) 650. delbruecki, use in bread making, (33) 864.
botulinus—	de Loutraz, studies, (40) 552. dianthi (?) on sugar beets, (33) 743.
development in corn and apricots, (37) 165. development in vegetable medium, (33) 866.	diphtheriae, destruction by periodol, (39) 80.
effect of heat on. (40) 558	dysenteriae— as affected by metamorphosis of house
isolation, (39) 783. relation to forage poisoning, (37) 179; (38) 383, 384; (39) 387.	flies, (29) 357.
383, 384; (39) 387. studies, (40) 176.	destruction by periodol, (39) 80. enteritidis—
DOVISODTICUS, notes. (28) 284.	accidental infection by, (36) 350. as a cause of infectious diarrhea in calves,
Bridré-Sívori, affecting pigs, (40) 683. bronchicanis, studies, (27) 187.	(35) 488.
Dronenise Deletis	occurrence in calves, (27) 289. relation to croupous enteritis in cattle, (28)
lesions produced by, (34) 480.	886.
filterability, (33) 483. lesions produced by, (34) 480. notes, (27) 782; (30) 579. relation to dog distemper, (28) 682; (29) 682.	spontaneous occurrence in mice, (26) 176. studies, (33) 178. erysipelatis, detection after vaccinating, (29)
Suidles, (31) 479; (39) 289.	176.
bulgaricus— as a starter for lacto, (30) 61.	erysipelatis suis
dried cultures of, (31) 773.	effect of mixed and secondary infection in, (26) 185.
effect on milk, (39) 486. effect on typhoid bacillus in milk, (27) 176.	heat resistance of precipitingeens. (29) 882.
in Emmental cheese, (31) 477.	studies, (27) 384. types, (29) 882.

Bacillus-Continued.	Bacillus-Continued.
erysipelatis, toxins contained in, (28) 676.	paratyphosus B—continued
extorquens— decomposition of silicates by, (31) 121.	in pigeons, (34) 83. in swine, (40) 784.
n.sp., notes, (29) 316.	notes, (30) 786.
n.sp., notes, (29) 316. faecalis alkaligenes, studies, (31) 479. fornationus p.sp., description, (20) 851; (40) 159	studies, (33) 178.
farnetianus n.sp., description, (26) 851; (40) 159. fluorescens liquefaciens, notes, (28) 473. gallinarum, studies, (40) 685.	paratyphosus—
gallingrum studies. (40) 685.	relation to abortion in mares, (31) 381. studies, (39) 587.
	perfringens—
gortynae, notes, (30) 551. gunmificans, notes, (28) 651. histolyticus, biochemistry, (39) 887.	notes, (39) 890.
gummilicans, norcs, (28) 551.	studies, (38) 503, 504.
hoplosternus n.sp., description, (38) 162.	pertussis, lesions produced by, (34) 480. pestis, development in bedbugs, (33) 747.
ichthyosmius n.sp., description, (37) 686. iviae n.sp., studies, (29) 845.	pestis, longevity in fleas, (33) 749.
Koch's, method of entering the body, (29) 884.	petroselini n.sp., description, (35) 454. phlei, notes, (28) 481.
Inctis acidi, studies, (40) 377.	phytophthorus—
lactis erythrogenes, effect on milk, (26) 775;	notes, (31) 641; (40) 847.
(30) 411. lactis fermentens, studios, (29) 776.	studies, (39) 456.
lactis viscosus, notes, (27) 474.	pollacii n.sp., description, (26) 851; (40) 159 poncei n.form, description, (40) 164.
lathyri—	Preisz-Nocard-
n.sp., relation to sweet pea streak disease, (29) 352	diagnostic value, (29) 281.
relation to sweet pen streak disease, (32) 446.	from equine, bovine, and ovine abscesses, (35) 574.
studies, (33) 547; (37) 155.	notes, (28) 182, 782.
levans, notes, (26) 563.	prodigiosus—
liparis parasitizing gipsy moth, (38) 159. lipolyticus—	destruction of paraffin by, (32) 523. notes, (28) 241.
pathogenicity, (39) 289.	relation to rubber spotting, (29) 451.
studies, (40) 184.	protous vulgaris, notes, (29) 64.
lymantriae— destructive to gipsy moth, (30) 54.	pseudopyogenes lactis in milk, (33) 115. pseudotetanicus, death rate as affected by tem-
parasitizing gipsy moth, (38) 159	perature changes, (40) 313.
lymphangiticus, notes, (31) 478.	pullorum, relation to fowl typhoid bacillus.
mallei— as affected by calcium hypochlorite, (40)	(32) 478.
478.	pyocyaneus— effect on denifrification, (27) 424.
morphology and biology, (31) 579.	in pupae and imagines of infected house
notes, (28) 887.	flies, (26) 61.
mangierae n.sp., description, (34) 447. manihotis, notes, (35) 245.	in swine, (40) 784. respiration, (31) 827.
megatherium, aerotropic growths, (27) 829.	pyogenes—
melanogenes—	affecting pigs, (30) 484.
notes, (27) 446; (32) 239, 544. treatment, (29) 549.	relation to contagious abortion, (29) 80. relation to eye disease in cattle, (37) 691.
melitensis—see also Bacterium melitense, and	suppuration due to, (37) 276; (38) 585.
Micrococcus melitensis.	pyrameis 1 and 11, notes, (30) 551.
studies, (39) 289. melolonthae—	radicicola—sec also Nodule bacteria. cultures, preparation, (39) 723.
relation to septicemia in cockchafers, (30)	fixation of nitrogen by, (29) 629, 733.
54.	groups of, (33) 823.
studies, (38) 162. melonis as affected by cold, (34) 538.	growth as affected by hydrogen-ion concen- tration. (39) 26.
minimus mammae, hygienic importance, (33)	tration, (39) 26. in soils, (29) 423, 515.
175.	isolation from soils, (32) 727; (33) 121.
Morgan's, in flies, (30) 757. morulans—	nitrogen assimilation by, (33) 426. notes. (26) 521: (39) 338.
n.sp., description, (38) 250.	notes, (26) 521; (39) 338. of field peas, (33) 329.
n.sp., description, (38) 250. nitrate reduction by, (37) 544 musac, description, (31) 715. musac, notes, (20) 345; (27) 50, 449.	of soy beans, studies, (33) 134; (36) 848. specialization of forms, (29) 733. studies, (32) 33, 727; (35) 729; (39) 116. testing cultures of, (29) 30.
musae, notes, (20) 345; (27) 50, 449	studies. (32) 33. 727; (35) 729; (39) 116.
mycolues, notes, (20) 747.	testing cultures of, (29) 30.
n.spp., descriptions, (26) 581; (28) 628. n.spp. in Brindra cheese, (33) 278.	radiobacter in Java soils, (30) 218. Reading, in wounds, (40) 679.
n.spp. on orchids, descriptions, (40) 159.	rhisiopalnile suis, relation to polyarthritis in
necrophorus—see also Necrobacillosis.	sheep, (31) 286.
uflecting cuttle, (30) 881. discusses, puthology, (30) 590.	sheep, (31) 256. saccharalis n.sp., description, (35) 505.
in swine, (40) 784.	
notes, (28) 285; (33) 774.	septicaemiae ranarum n.sp., notes, (30) 851. septicus insectorum, notes, (32) 62.
necrosis	smegmatis, acid-produess of strains, (38) 485.
lesions, (39) 683. organism resembling in rabbits, (29) 677.	solanacearum—see also Bacterium solanacea- rum.
nicotionae and B. solanacearum, identity, (30)	description and treatment, (29) 847.
541.	notes, (26) 649; (27) 854; (28) 243, 446; (29)
oedematis maligni, notes, (30) 890.	426; (30) 48, 749, 847; (31) 127; (32) 00, 230: (39) 550, 551: (40) 348.
of Group IV, studies, (31) 479.	studies, (27) 650.
oedematous, pathogenicity, (37) 377. of Group IV, studies, (31) 479. of Schmorl, studies, (28) 676; (29) 478. oleae, freatment (27) 251.	rum. description and treatment, (29) 847. notes, (26) 649; (27) 854; (28) 243, 446; (29) 423; (30) 48, 744, 847; (31) 127; (32) 50, 239; (39) 550, 551; (40) 348. studies, (27) 650. variability, (29) 136. virulence against Nicotiana, (33) 446.
omnivorus, notes, (40) 844.	virulence against Nicotiana, (32) 446. solaniperda, notes, (26) 846.
ovisepticus, studies, (38) 887.	solanisaprus, notes, (36) 250.
paratuberculosis, notes, (30) 583.	sorghi (?) on Sudan grass, (33) 851.
paratyphoid equine, studies, (39) 492. paratyphoid-like, from a dog, (26) 280.	B. alvei, and B. megaterium, identity, (36)
paratyphosus B—	380.
nnomalous strain of, (32) 678. food poisoning by, (34) 503.	studies, (37) 853. toxin of, (38) 466.

Bacillus—Continued. sp. affecting garle, (30) 449.	Bacillus—Continued. welchii—continued.
spongiosus, notes, (28) 746.	toxin, action of antiseptics on, (39) 185.
sporogenes	toxins of, (38) 378, 581, 783.
as an indicator of manurial pollution in	Bacon-
milk, (34) 272	black pigment areas in, (35) 376. curing and marketing, (29) 773. curing, cooperative, in England, (27) 676.
biochemistry, (38) 483. detection in milk and water, (33) 875.	curing and marketing, (29) 773.
studies, (38) 503, 504.	curing on the farm, (27) 279; (30) 316, 373.
spp., absorption in intestinal canal, (28) 882.	factories, cooperative—
spp., ammonifying power, (31) 317. spp., distribution by flies, (28) 756.	in Denmark, (27) 590. in Victoria, (27) 373.
spp., distribution by mes, (28) 756.	in Victoria, (27) 373.
spp., notes, (26) 847, 880. spp., occurrence in sugar, (26) 505.	industry in New South Wales, (28) 874. price in England, (38) 90.
spp., on vegetables in Ontario, (37) 150.	wrapped cured, inspection in Texas, (29) 61.
spp., physiological studies, (27) 226.	Bacteria—
spp., production of toxins by, (26) 184.	absorption in intestinal canal, (28) 882.
spp., relation to— foul brood of bees, (27) 563.	absorption of congo red by, (29) 528. acid agglutination, (27) 384.
white scours in calves, (26) 286.	acid-fast, anaphylaxis from, (30) 151.
subtilis—	acid-fast, studies, (33) 769. acid-rennet, in udder of cows, (33) 175.
in condensed milk, (29) 778.	acid-rennet, in udder of cows, (33) 175.
in conjunctival sac of horses and bovines, (26) 176.	action of blood from different species on, (40) 236, action of dyes on, (39) 412.
isolation from cheese, (26) 479.	activity during infection, (26) 174.
potassium requirements, (39) 619.	activity in forest soils, (29) 325.
proteolytic activity, (35) 201.	aerobic spore-bearing nonpathogenie, studies,
rôle in utilization of organic compounds by	(35) 378.
plants, (37) 223. suipesticus—	agglutinating, biochemical activity, (38) 191. anaerobic, see Anaerobes.
effect on rabbits, (29) 288.	and algae, symbiosis, (28) 31.
immunity of rabbits to, (26) 184.	and plants, symbiosis between, (36) 632.
suipestifer—	and tropical plants, symbiosis, (28) 35.
agglutinins for, in hog cholera serum, (36) 280.	as affected by—
notes, (28) 183; (40) 783.	cold, (34) 538. freezing, (40) 180.
studies, (39) 188.	illuminating gas, (39) 632
voldagsen, notes, (29) 883. suisepticus—see also Bacterium suisepticus.	illuminating gas, (39) 632 metamorphosis of house flies, (20) 357
suisepticus—see also Bacterium suisepticus.	pressure, (38) 581.
significance in hog cholera, (31) 680. synxanthus in milk, (34) 78.	radioactive minerals, (27) 826. radioactivity, (30) 524.
tabificans—	radium emanations, (31) 821.
description and treatment, (28) 847.	spices, (35) 557; (38) 469. sterilized soils, (28) 324.
notes, (30) 47.	sterilized soils, (28) 324.
treatment, (31) 243. tetani, studies, (39) 389.	tobacco smoke and methyl iorlid vapor, (39)
thuringiensis n.sp., notes, (35) 253.	527. ultraviolet rays, (26) 431; (36) 520.
tracheiphilus—	volatile conifer products, (32) 615.
notes and treatment, (28) 746. studies, (27) 45; (36) 249. transmission by insects, (35) 546.	as an index to age of butter, (31) 576.
STUDIES, (27) 45; (36) 249.	as cause of strawberry-like odor in milk, (26) 371.
tuberculosis, see Tubercle bacilli.	Bulgarian group, morphology and biochemistry (35) 10.
tuberculosis ovis, notes, (28) 182.	butyric-acid-forming, in spoiled flour, (26) 63.
tuberculosis ovis, notes, (28) 182. tubilex n.sp., description, (26) 847.	carbohydrate decomposing, detection in soils,
typhi-exanthematici, isolation from body louse,	(31) 313.
typhi gallinarum alcalifaciens—	cellulose-destroying, characteristics, (29) 817. cellulose-digesting, isolation, (31) 827.
biochemical and agglutinating properties,	changes in the animal hody (31) 877
(38) 788.	chemical action of, (30) 10.
studies, (30) 385.	chemistry of, (32) 78.
typhi suis as a cause of meat poisoning, (32) 84.	election and collulose in, (36) 501.
as affected by metamorphosis of house flies,	chemical action of, (30) 10. chemistry of, (32) 78. chitin and cellulose in, (38) 501. classification, (26) 276; (37) 220, 819. classification and nomenclature, (40) 521.
(29) 358.	coli-aerogenes, differentiation, (31) 136; (37) 506.
as test organism for disinfectants, (29) 803.	coll group, selective action of media on, (27) 177.
culture media for, (40) 677. destruction by periodol, (39) 80.	coli group, variation, (27) 177.
destruction in sour milk, (40) 476.	colon type— in bovine feces, (32) 175.
longevity in water, (38) 488.	in oat hay, (36) 280, 580.
occurrence on vegetables, (26) 661.	in surface water, (36) 284.
persistence in pupae and imagines of house flies, (26) 251.	on grains, (33) 631.
vaccines, studies, (40) 286.	colon-typhoid, affecting birds, (40) 685. counting, (33) 82.
viability in ice cream, (34) 256. viability in milk, (26) 776. viscosus-panis, studies, (40) 360.	counting in tomato products, (39) 13.
viability in milk, (26) 776.	cultures, tests, (32) 320.
Viscosus-panis, stridies, (40) 360.	death rates as affected by temperature changes,
voldagsen— and B. suipestifer, relationship, (31) 87.	(40) 313. decomposition of silicates by, (29) 316.
as cause of meat poisoning, (32) 84.	denitrifying, physiology, (27) 424.
notes, (31) 680.	denitrifying sulphur, physiology, (28) 35.
organism resembling, in man, (29) 882, 883, relation to hog cholera, (28) 183; (29) 482;	destruction—
(32) 83.	by leucocytes, (27) 882.
vulgare, penetration of egg shells by, (29) 765.	by leucocytes, (27) 882. in milk, (28) 675. of cellulose by, (26) 825; (28) 627.
welchii	of mice and rats by, (26) 579.
and blackleg bacillus, resemblance, (38) 587	of mice and rats by, (26) 579. of paraffin by, (32) 523.
antitoxin for, (38) 379. cultures, hemolysis, (39) 580.	with hydrocycnic acid gas, (35) 53.
in butter, (31) 576.	determination in— cream, (34) 612.
in pigeons, immunization, (37) 781,	ice cream, (34) 165; (38) 75.
studies, (38) 483, 503, 504.	meat, (31) 854.

Bacteria—Continued. development as affected by radioactivity, (28)	Bacteria—Continued. nitrogen-fixing—continued.
731.	potash requirements, (27) 226 preparation, (32) 433.
diastase and invertase activity, (36) 31. dissemination by flies, (27) 58; (28) 356; (30) 658. dissemination by roaches, (30) 156.	nitrogen metabolism, (39) 110. nodule—
distribution by cleam separators, (32) 268. distribution in New York soils, (26) 719.	as affected by manganese, (34) 31. as affected by phosphorus, (37) 828.
effect on— availability of phosphates, (28) 815.	classification, (32) 33. for legumes, (35) 322.
catalase production in milk, (29) 717. cycle of hog cholera, (31) 680.	forms of, (32) 327. of Leguminosae, (32) 727.
fermentation of tea, (32) 111. gram size and moisture content of soils, (29)	physiological studies, (32) 727. relationships among, (33) 823.
20. milk held at low temperature, (31) 373.	studies, (36) 517. testing cultures of, (29) 30.
nitiogen content of soils, (31) 731. phosphoric soild in soils, (26) 817; (31) 721.	nomenclature and classification, (39) 124, 82 of enteritidis group, variability, (28) 780.
sowage, (34) 591. soil phosphorus, (36) 515. solubility of potash and phosphoric acid,	fresh and decomposing manure, (39) 28. infectious diseases, (40) 180, 284.
(29) 315. soluble phosphorus of manures, (26) 723.	root nodules of legumes, (26) 824. udder and genital organs of the cow, (39) 388.
fat splitting by, (2n) 370. fecal, determination, (2n) 161.	on green vegetables, (40) 658. oxidation of manganese by, (32) 514. parasitic on Elodea leaves, (26) 552.
forniation of— calcium carbonate by, (26) 618.	parally phoid-enterthidis— cause of fish poisoning, (34) 459.
creatinin by G33 725.	differentiation, (**) 2-1. studies, (37) 275, 660, 781.
gas-producing, detection, (34) 732. gas-producing, in milk, (26) 576. gas production by, in raw and pasteurized milk,	pathogenic— conservation by flies, (30) 552.
(37) 874. green fluorescent, of maple sap, (26) 825.	in candy, (34) 365. review of investigations, (28) 178.
growth in— arsenic solutions, (35) 281.	persistence and vitality on alfalfa seed, (20) \$20.
protein-free media, (39) 888. raw and pusteurized milk, (36) 475. sterilized and unsterilized soil decoctions,	production of— humus by, (38) 329.
(28) 329.	hydrocyanic acid by, (30) 802. pioteolytic, of man and animals, (26) 581
halophytic and lime-precipitating, notes, (33) 630. hematoxins and antihematoxins of, (32) 78	pure-line concept, (36) 826. purple sulphur, physiology of, (31) 32.
hemophilic, growth, (30) 668. hemorrhagie septicenna group, (40) 685.	reducing and oxidizing properties of, detection, (26) 201. relation to—
identification, (27) 381. immunity of plants to, (33) 740.	heet blight, (34) 350.
importance in digestive processes, (31) 772. in alimentary canal of fleas, survival. (31) 353.	citrus gummosis, (29) 247. congulation of lates, (25) 331. coconut hud rot, (27) 847. humus and fertilizers, (28) 727. iodin compounds, (20) 123
cheese, studies, (27) 284. Don curd, (26) 779.	coconut hud rot, (27) 847. humus and fertilizers, (28) 727.
flesh of normal slaughterhouse animals, (26)	odin compounds, (29) 133. organic soil constituents, (29) 817.
house files, (26) 251. intestinal tract of calves, (35) 282.	plant diseases, (27) 41; (31) 745. soils, (27) 728. wilt diseases, (29) 243.
milk, see Milk. muscles, (26) 176.	resistance to—
normal udders, (27) 280; (28) 275. old eggs, (26) 108.	disinfectants, (26) 478. germicides, (36) 177; (37) 176.
prepared feeding stuffs, (32) 75. soils, see Soil bacteria. Stilton chass. (32) 879	respiration in soils, (27) 122. review of investigations, (30) 11. relain
Stilton cheese, (28) 879. water, see Water. intestinal, effect on purins, (33) 263.	rôle in— cheese tipening, (27) 74; (31) 477. reducing wine acidity, (35) 113.
intestinal, relation to diet, (40) 807. intracellular digestion, (36) 379.	slinge fermentation, (36) 802. soil fertility, determination, (26) 123.
invasion of animal parasites by, (28) 681. killed by heat, investigations, (31) 183.	root tubercle, specialization of forms, (29) 733 saprophytic, relation to animal life, (28) 570.
legume—	sensitized and nonsensitized, immunization with, (37) 780.
and nonlegume plants, symbiosis, (37) 819. behavior in acid and alkali media, (37) 422.	serum-grown, use in producing immune serum (35) 679.
fixation of nitrogen by, (20) 629.	sewage, relation to shellfish pollution, (27) 212 slime-forning, in milk, (29) 580.
limitation of in soils, (29) 122. lipolytic power on esters and fats, (29) 177.	spore-forming— function in soils, (35) 523
micro-calorimeter for, (30) 66. microscopic examination, (32) 578.	in soils, (36) 517. of the appary, (37) 59.
morphology and physiology, (26) 276. nitrate-reducing, (27) 226; (31) 324.	staining, inhibitory action of serum, (37) 478. stimulation by polyonous substances, (27) 131.
nitrilying— action of oligodynamic elements on, (33) 422.	storage of oxygen by, (28) 329. studies, (27) 780. sulphyr physiology, (28) 728
in sand cultures, (27) 634. rôle in decomposition of manure, (35) 426. nitrogen collecting, handbook, (29) 824.	sulphur, physiology, (28) 728. sulphur, physiology and distribution, (33) 23. surviving pesteurization, (29) 73; (32) 775.
nitrogen-fixing— action of oligodynamic elements on, (38) 428.	symbioss— in Rubiaceae, (32) 327.
as affected by manganese, (33) 820. in Rubiaceac leaves, (27) 225.	with Ardisia crispa. (29) 30.
of manure, (38) 27. physiology and biology, (38) 426, 427.	with plants, (20) 545. treatise, (27) 575; (29) 422; (31) 80. use against field mice, (31) 57.

Bacteria—Continued.	Bacteriology-Continued.
use of stains in study of, (29) 630.	review of literature, (27) 77.
variation in. (32) 220.	soil—
viability in water, (38) 488. viability of, (26) 819.	course in, (28) 332.
yeasts, and molds, treatise, (27) 727.	notes, (27) 516, 621.
Bacterial—	laboratory guide, (27) 728. laboratory guide, (27) 728. notes, (27) 518, 621. studies, (27) 517, 720. treatise, (28) 34. studies, (31) 277. tortholy, (32) 271. (30) 130. (30) 283
antiferments, nature of, (35) 382.	treatise, (28) 34.
antigens, dried, (40) 678. antigens, preparation, (40) 478.	textbook, (32) 371; (36) 130; (39) 283.
cells, treatise, (27) 476; (28) 425. cultures, commercial, tests, (27) 31.	treatise, (26) 174, 276, 882; (28) 675; (31) 177
cultures, commercial, tests, (27) 31.	textbook, (32) 371; (36) 130; (39) 283. treatise, (26) 174, 276, 882; (28) 675; (31) 177 875; (34) 876; (36) 177, 574.
cultures, mass, on solid media, (40) 805. cultures, system of, notes, (40) 881.	Bacteriotoxins— effect on plants, (28) 732.
diseases as affected by Roentgen rays, (38) 481.	effect on soil organisms, (28) 628.
diseases in rats, (27) 754.	in soils, (35) 626.
emulsions, determination of turbidity, (37) 14.	Bacterium—
infections, chemotherapy, (37) 274. infections, insect carriers of. (30) 153.	aerogenes, longevity in water, (38) 488. angulatum n.sp., description, (40) 849.
species, recognition, (40) 288. spores, resistance to heat, (35) 487.	aptatum n.sp., description, (30) 350.
tubercles in leaves. (29) 30.	astheniae infecting fowls, (39) 291. azophile n.sp., nitrogen fixation by, (38) 27.
vaccine therapy, studies, (30) 779.	beticolum—
vaccines, standardization, (30) 780.	inoculation experiments with, (34) 845.
viruses, inefficiency, (27) 754. Bactericidal tests in vitro, (37) 274.	notes, (33) 147.
Bacterin therapy, notes, (32) 79.	studies, (35) 454. bipolaris septicus, organism resembling, (26)
Bacterins—	185.
nature and use, (26) 580.	briosianum n.sp., description, (26) 650; (40) 159 briosii, notes, (20) 246; (30) 450.
polyvalent, use, (30) 180. use in treatment of wounds, (26) 580; (27) 576.	campestre, studies, (29) 45; (39) 149.
Bacteriocatalysis, studies, (39) 388.	campestre, studies, (29) 45; (39) 149. case, studies, (29) 279.
Bacteriological -	castamicolum n.sp., description, (33) 440.
bouillons, analyses, (40) 310. counts, agar v. gelatin plates in, (35) 525. counts, limit of colonies in, (35) 525.	cattleyae n.sp., description, (26) 851; (40) 159. chromoflavum n.sp., notes, (28) 276.
counts, limit of colonles in, (35) 525.	citrarefacions
culture media, see Culture media.	n.sp., description, (37) 154. notes, (38) 354; (39) 252. citri, see Citrus canker.
standard for ice creams. (28) 166.	citri, see Citrus canker.
studies of nitrogen fixation, (26) 521.	citriputeale n.sp., description, (29) 650; (30
culture media, see Culture media. institute at Bern-Liebefeld, report, (28) 372. standard for ice creams, (28) 166. studies of nitrogen fixation, (26) 521. tests in soils and manure, (26) 322. tests of methods of cleaning. (30) 390.	652.
Bacteriologists, American, Society of. (26) 575.	coli apium n.sp., description, (37) 360. deliense n.sp., notes, (29) 136.
Bacteriology-	droserge, notes, (29) 580.
agricultural—	eurydice, relation to foul broad of bees, (27)
in Italy, (39) 99. laboratory manual, (27) 423.	563. fluorescens, notes, (26) 846.
progress in, (28) 523. treatise, (27) 329; (30) 631; (35) 328; (39) 430.	guntheri, development in fresh and sterilized
treatise, (27) 329; (30) 631; (35) 328; (39) 430.	milk, (32) 75.
application to dairy industry, (33) 277.	hartlebi, physiological studies, (27) 226. herbicola lubrum, notes, (27) 313.
applied, treatise, (40) 577. bibliography, (29) 626.	hyacinthi, studies, (27) 45.
dairv—	hydrogen-oxidizing, in swamp soils, (36) 116.
handbook, (27) 74. investigations, (27) 376. treatise, (30) 378, 677; (32) 577.	invertons in sugar, (38) 806. krameriani n.sp., description, (26) 851; (40) 159
treatise, (30) 378, 677; (32) 577.	lachrymans n.sp., description. (34) 443.
exercises in, (31) 376. experimental, textbook, (27) 76.	lactis acidi—
household, textbook. (29) 298.	as affected by other microorganisms in milk (32) 76.
hydrogen-ion concentration in, (37) 506.	effect on typhoid bacillus in milk, (27) 178
in plant pathology, (39) 247. index catalogue, (32) 578.	fermenting capacity, (26) 708. fermenting milk with, (39) 486.
international catalogue, (28) 34; (35) 574; (39)	itinerary in butter manufacture, (39) 78.
100	notes, (27) 474.
laboratory guide, (28) 332, manual, (32) 33. methods of pure culture study in, (39) 9, 828. of blood, (27) 224. blue milk. (32) 775.	physiology of, (26) 776.
methods of pure culture study in. (39) 9, 828.	resistance to posteurization, (33) 675. studies, (28) 276.
of blood, (27) 284.	thermal death point, (39) 78.
bubble fountains, (35) 860	lactis aerogenes— in bottled milk, (37) 273.
bubble fountains, (35) 860. canned foods, (40) 764.	notes, (30) 652.
Cheddar cheese, (28) 78. cream ripening, (34) 672. dried soils, (29) 325. eggs, (27) 374; (31) 171; (33) 764.	lactis album, itinerary in butter manufacture
dried soils. (29) 325.	(39) 78. lactis viscosum, occurrence in soil, (40) 214.
eggs, (27) 374; (31) 171; (33) 764.	magnicalum nen description (98) E4
eggs and egg products, (21) of; (28) to4.	mallel, studios, (32) 372.
fermentation and putrefaction, (28) 563. food, (29) 563; (32) 558.	marvacear um-
100d and water, treatise, (32) 311.	method of infecting cotton, (27) 247. notes, (28) 647; (34) 043; (35) 652; (36) 541 studies, (36) 648.
ice cream, (34) 165.	studies, (36) 648.
microsporidiosis in bees, (27) 459. milk, (29) 775.	marginale n.sp., description, (39) 455
paper dishes, (32) 856.	melitense, notes, (27) 379.
sausage and similar goods, (32) 252,	matthiolae n.sp., description, (27) 851. melitense, notes, (27) 870. melitensis, see Micrococcus melitensis and Ba- cilius melitensis.
soils, (33) 513, 823. soils, laboratory manual, (33) 791.	cillus melitensis. montemartinii n.sp., notes, (26) 845.
sugar cane products, (32) 22.	mori
water, treatise, (29) 814.	notes, (27) 50; (34) 649. (?) on beets, (33) 742. studies, (31) 347; (36) 751; (38) 651.
papers on, (29) 676. papers on, from Rockefeller Institute, (33) 279.	(1) On Deets, (33) 742. studies, (31) 347- (20) 751- (20) 851
	namenant fart axit (00) tort (00) our

Bacterium—Continued.	Bacterium-Continued.
mycoides, proteolytic activity, (40) 721. n.sp. on sugar cane, (33) 444.	as affected by X-rays, (39) 453.
n.spp., descriptions, (28) 628; (30) 747. n.spp. in Brindza cheese, (33) 278.	inoculation experiments, (28) 447; (29) 449; (30) 751.
n spp. on orchids, descriptions, (10) 159.	notes, (27) 649; (28) 446, 651; (29) 46, 547;
nectarophilum n.sp., description, (39) 252. of contagious abortion, occurrence in milk, (27)	notes, (27) 649; (28) 446, 651; (29) 46, 547; (30) 453; (31) 641; (34) 247, 249, 844; (35) 454; (37) 245, 249, 252; (40) 158, 751.
2 81.	on sugar beets, (33) 147.
oncidil, notes, (26) 650. orientale n sp., description, (26) 779.	resistance of Prunus to, (36) 352. studies, (36) 541; (38) 648, 852.
phaseoli— as cause of bean stem disease, (38) 148.	undescribed pathogenic, in milk, (26) 87; (27) 576.
notes, (31) 542; (37) 840.	vascularum—
studies, (28) 846; (39) 354, 455. pickensi n.sp., studies, (39) 686.	description, (31) 745. on sugar cane, (39) 551, (40) 157
pitymysi n.sp., description, (36) 852. prodigiosum, injurious to rubber, (28) 552.	studies, (33) 852.
pruni—	viridilividum— n.sp., studies, (33) 742.
notes, (40) 638. on peach, (39) 151.	viscosum equi n.sp. in foals, (39) 656.
on peach, (39) 151. studies, (34) 218.	vitians n.sp., description, (39) 455.
treatment, (37) 842. (Pseudomonas) erodii n.sp , investigations, (32)	xanthochlorum n.sp., notes, (26) 847. xanthochlorum, notes, (27) 248.
53. pseudopestis murium—	Bactrocera— cucurbitae, see Dacus cucurbitae.
n.sp., notes, (29) 58.	spp., danger of introduction, (39) 467.
rôle in goiter in rats, (31) 451. pseudozoogloene n.sp., description, (31) 150.	Badgers, relation to Rocky Mountain spotted fever, (27) 479.
pullorum— and B. sanguinarium, comparative studies,	Baeus auraticeps n.sp., description, (35) 365.
(37) 82, 483.	as fuel for sugar refineries, (34) 487.
description, (31) 484. fermenting properties, (38) 180.	as paper making material, (26) 213, bibliography, (27) 717. burning in boiler furnaces, (26) 384.
fermenting properties, (38) 180. in chicks, (34) 387, 881.	burning in boiler furnaces, (26) 384.
eggs, detection, (31) 683. eggs and its significance in food poisoning,	drying experiments, (26) 90. fertilizing value. (35) 337.
(35) 264, 481, 683, fresh eggs, (31) 171, fowls, (38) 889.	fertilizing value, (35) 337. fuel value, (36) 685. heat of combustion, (27) 717.
fowls, (38) 889.	heat value of, (30) 891.
fowls, detection, (34) 189, 275. fowls, diagnosis, (31) 683.	paper, microscopic characteristics, (27) 315. Bagniesiella diantherae n.sp., description, (26) 853.
infection, (40) 685. infection, agglutination test for, (34) 784;	Bagrada—
(39) 791.	hilaris in South Africa, (40) 648. picta, notes, (27) 53.
intradermal test, (36) 884. notes, (28) 887.	Bag-shelter caterpillars, injurious to horses, (26) 456. Baguisanon, lawaan, culture in Philippines, (30) 230.
studies, (38) 281; (40) 882.	Bagworm—
pyogenes in polyarthritis of swine, (36) 280. radicicola—see also Bacillus radicicola.	common eastern, notes, (28) 853. control by parasites, (40) 855.
forms of, (32) 727. studies, (36) 517.	fungus disease, studies, (27) 758; (29) 45.
saccharum officinarum n.sp., (35) 317.	injurious to okra, (29) 653. notes, (26) 147; (28) 155, 353; (34) 756.
sanguinarium, fermenting properties, (38) 180. savastanoi—	Bain, S. M., biographical sketch, (40) 200. Bake oven, electric, notes, (34) 460.
dissemination, (27) 652. notes, (28) 54.	Bakeries— cellar, in Paris, (31) 259.
sepedonicum, studies, (33) 146.	economy and system in, treatise, (26) 762.
solanacearum—see also Bacillus solanacearum. description, (31) 745.	inspection, (26) 868; (29) 661; (31) 359, 658; (32) 162.
description and treatment, (30) 50. notes, (29) 646; (40) 348.	inspection in— Indiana, (34) 861.
on ponnuts, (34) 52. studies, (33) 741; (38) 250.	Montana, (33) 67,
treatment, (39) 50.	New York City, (28) 566. North Dakota, (33) 753.
wild hosts of, (36) 215. spp., descriptions, (29) 345.	Virginia, (29) 567, 766; (31) 462; (32) 661. sanitary standard for, (32) 661.
spp., enect on denimination, (27) 421.	Bakerophoma sacchari—
spp. in confunctival sac of horses and bovines, (26) 176.	n.g. and n.sp., notes, (37) 148. notes, (38) 550.
spp., notes, (26) 779, 847, 881; (28) 276; (29) 243. stewarti—	Bakers' goods— adulteration and misbranding, (28) 65.
description, (31) 745.	examination, (28) 459; (32) 162.
notes, (36) 55. studies, (40) 816.	methods of analysis, (31) 809. Bakers—
suisepticus—see also Bacillus suisepticus. opsonic power of serums against, (27) 285.	manual and record book for, (40) 863. training school for, (26) 262.
syncyaneum, infection of milk with, (26) 87.	Bakery—
tabacum— n.sp., notes, (38) 150.	experimental, work of, (31) 359. products, fermentation losses in, (34) 660.
studies, (38) 852.	refuse, analyses, (30) 868.
translucens n.sp., description, (38) 548.	Bakhar, analyses and preparation, (34) 711. Baking—
in rabbits, (36) 653. infection of man with, (33) 450.	army, manual, (37) 63. handbook, (35) 859. industry, (40) 460.
lesions produced by. (34) 580.	industry, (40) 460.
notes, (26) 461. transmission by flies, (33) 456,	leavening agents for, (33) 66. oven temperatures in, (31) 359.
528 31—26†——5	

Baking powder—	Banana—Continued.
Baking powder— albumin in, (29) 866. alum, use, (26) 564. analyses, (33) 461; (36) 662. as learning agents, (23) 66	leaf— diseases, notes, (38) 651.
analyses, (33) 461; (36) 662.	diseases, notes, (38) 651. roller, studies, (26) 857.
as leavening agents, (33) 66.	spot disease, notes, (36) 347. meal—
analyses, (33) 461; (36) 662. as leavening agents, (33) 66. egg albumin in, (32) 356, 762; (36) 561. examination, (29) 866; (30) 667; (31) 760; (40) 412, 508, 658, 712. notes, (32) 300.	analyses, (34) 256; (40) 173.
508, 658, 712.	analyses and digestibility, (28) 464.
notes, (32) 300. studies, (35) 802, 860.	as substitute for flour, (33) 361. digestibility, (30) 62.
Baking soda, effect on vitamin content of bread, (36)	for pigs, (29) 572.
465.	moth, biology and remedies, (38) 59.
Baking, temperatures for, (34) 69; (35) 268. Bakli, notes, (29) 443.	Panama disease— studies, (37) 843.
Balance, automatic, for metabolism experiments,	treatment, (35) 153. root borer, see Cosmopolites sordidus.
(33) 167.	root borer, see Cosmopolites sordidus.
Balanimus—see also Chestnut weevils. caryae, notes, (38) 762.	root disease, studies, (34) 50. rot in India, (35) 458. rot, notes, (36) 449.
caryae, studies, (38) 157.	rot, notes, (36) 449.
proboscideus, notes, (26) 753.	skins, analyses, (38) 626. stalks, analyses, (38) 626.
spp., notes, (40) 259. Balanitis in sheep, (29) 783.	stalks as source of potash, (36) 820.
Balata, harvesting and preparation, (27) 542. Balclutha punctata, life history, (35) 553.	starch, studies, (31) 828.
Ball bearings, history and use, (31) 487.	Trinidad disease, description, (31) 745. water tily as a duck food, (30) 545.
Balloon—	weevil, notes, (36) 158; (37) 161.
ascensions, sounding, (27) 316.	wilt or Panama disease, studies, (38) 757.
experiments, (31) 213. Balloons—	Bananas— acidity, (32) 110: (37) 714.
use in meteorology, (35) 618.	acidity, (32) 110; (37) 714. analyses, (26) 68; (32) 761.
use in upper air exploration. (30) 416.	analyses and lood values, (39) 471.
Ballovia cistipennis n.g. and n.sp., notes, (27) 558. Balsa wood—	and banana flour, composition, (34) 460. as food, (26) 563.
properties, (35) 241. survey in Central America, (40) 542.	as host of Mediterranean fruit fly, (34) 655.
survey in Central America, (40) 542.	ash analyses, (29) 861. bacteriological studies, (28) 564.
Balsam— bark, use for paper specialties, (36) 417.	bagworm affecting, (26) 857.
bark, use for paper specialties, (36) 417. Canadian volume tables, (26) 443.	breaking of pseudostems, (27) 143.
fir, clearing out, (40) 842.	coconut scale affecting, (30) 157. commercial products from, (32) 854.
fir, clearing out, (40) 842. fir, growth in Adirondacks, (38) 847. fir, reproduction by layering, (28) 344. methods of analysis, (27) 205. plant louse, see Mindarus abietinus. plants as affected by vaseline oil, (28) 825.	composition and culinary properties. (32) 253.
methods of analysis, (27) 205.	composition and culinary properties, (32) 258. cooking, (26) 260. culture, (31) 48; (32) 45; (38) 43; (40) 863.
plant louse, see Mindarus abletinus.	culture, (81) 48; (32) 45; (38) 43; (40) 863. culture—
reproduction, (39) 145. Balsamorrhiza sagittata, resin secretion, (39) 224.	and uses, (28) 743.
Balsamorrhiza sagittata, resin secretion, (39) 224. Bamboo—	experiments, (27) 143; (28) 142; (38) 845; (40)
as source of paper pulp, (27) 647; (28) 645.	339. in Fiji, (29) 642.
borer, notes, (34) 754.	in Guam, (30) 41. digestibility, (26) 563.
borer, shot-hole, notes, (29) 458.	digestibility, (26) 563. dried—
culture experiments, (34) 232. disease, description, (36) 251.	analyses, (29) 361.
grass, analyses, (30) 565.	analyses, (29) 361. studies, (34) 256.
grass as forage crop, (38) 827. method of working, (39) 246.	Surinam, food value, (26) 68. drying in Hawaii, (39) 208.
notes, (29) 330.	effect on composition of urine, (31) 761.
of Andes region of South America, (34) 742. Philippine, (40) 745.	fertilizer experiments, (37) 215.
propagation and description, (38) 751.	for livestock, (27) 171. fumigating with hydrocyanic acid gas, (29) 234.
scale, soft, in California, (35) 358.	nandbook. (30) 741.
seed, analyses, (29) 463. smut in United States, (36) 653.	Hua Moa variety, tests, (38) 740. insects affecting, (27) 453, 857; (39) 557; (40) 453. nematodes affecting, (36) 347.
studies, (30) 239.	nematodes affecting, (36) 347.
Banana—	notes, (30) 345.
anthracnose, notes, (29) 547. blackhead, notes, (40) 750.	nutritive value, (36) 863; (39) 872; (40) 67. of Hawaii, (38) 541.
borer, see Cosmopolites sordidus.	of Philippines, (35) 647.
bread, notes, (26) 260. bunches, wrappers for, (29) 234.	origin, (31) 237.
disease	planting experiments, (30) 841. pollination experiments, (31) 535.
in Barbados, (34) 841. Cuba, (34) 847.	recipes, (28) 660; (30) 165.
Cubs, (34) 847. Salaver Islands, (37) 556.	reducing and nonreducing sugars in, (29) 503.
Salayer Islands, (37) 556. notes, (28) 345; (28) 349, 443, 545, 743; (30) 652, 747; (32) 548, 751, 752. studies, (36) 352.	ripening studies, (28) 565; (29) 462; (32) 455. varieties, (27) 842.
652, 747; (32) 548, 751, 752.	varieties for Philippines, (29) 839.
treatment, (36) 347.	Bankers— Varieties in Seychelles, (29) 839.
diseases	associations, agricultural committees, (27) 399.
descriptions, (29) 350; (31) 244; (36) 452.	relation to farmers, (33) 490.
descriptions, (29) 350; (31) 244; (36) 452. in Jamaica, (34) 348; (35) 458. notes, (27) 50, 449, 750; (29) 650; (36) 46; (39)	reform in United States, treatise, (28) 191.
455, 457, 849,	system of France, history and development,
studies, (38) 848. treatment, (29) 749.	(28) 294.
eelworm disease, notes, (40) 750.	Bankipur Agricultural Experiment Station, (30) 229 Banks, cooperative, organization, (32) 391, 489.
eelworm disease, notes, (40) 750. flour, analyses, (26) 260; (39) 870.	Banks, cooperative, organization, (32) 391, 489. Banksia intergrifolia, food plant of purple scale,
flour, notes, (40) 863. food products, manufacture and use, (29) 461.	(26) 756. Banteng and zebu, zoological relationship, (34) 466.
fruit fly, danger of introduction, (39) 467.	Bantengs, measurements, (27) 672.
fungus disease in Oaxaca and Tabasco, (35) 458.	Baoanusia africana, n.sp., description, (36) 260.

Baobab bank, fiber from (37) 534.	Barley-Continued.
Bardarea Dardalea, eradication, (37) 742.	as affected by—
Barberries, hybridization experiments, (30) 329. Barberry—	aluminum, (40) 125. boron, (39) 429.
Japanese, leaf hopper on, (33) 58.	cyanamid and dicyanodiamid, (40) 724.
pyralid, notes, (26) 855.	disinfectants, (26) 820.
relation to black stem rust of grains, (37) 552. relation to grain rust, (26) 142, (30) 149.	frost, (27) 560. greenhouse temperature, (37) 533.
Barbituric acid—	poisons, (39) 224.
as precipitant for furfural, (36) 318.	poisons, (39) 224. smelter wastes, (37) 526.
assimilation by plants, (26) 32. Barèges water, sulphur in, (40) 779.	soil disinfectants, (31) 621. soil volume and available plant food, (31)
Baridius orenivora, notes, (40) 754.	132.
lorata, notes, (27) 54.	water level, (26) 620. as beriberi preventive, (28) 761.
portulicae n.sp., description, (35) 365. spp., notes, (30) 357.	green manure, (39) 31.
spp., notes, (30) 357.	substitute for oats, (29) 36. supplement for wheat in bread making
torquatus, noies, (36) 354. traegardhi, noies, (27) 53.	(37) 263.
traegardhi, notes, (27) 53. Barit, notes, (26) 361; (30) 230.	Asplund variety, (40) 626.
Barium-	awned and awnless, transpiration, (29) 135. bacteria affecting malting process, (27) 313.
action on Spirogyra, (37) 130. arsenate, analyses, (26) 65.	bacterial blight—
carbonate as cause of toxicity in flour, (33) 64.	dissemination, (37) 839.
chlorid	notes, (35) 845. studies, (38) 548.
absorption by Aragallus lamberti, (28) 527. action on humus, (39) 514.	bacterial disease, notes, (36) 845.
as coagulant for rubber latex, (26) 141.	beardless, culture. (32) 598.
dosage, (28) 677. detection, (28) 409.	beer varieties, studies, (39) 232. bleached with sulphur, notes, (27) 566.
detection in water, (34) 410.	blindness, notes, (36) 541.
effect on—	blowings, analyses, (27) 774. bran, analyses, (26) 266, 714, 770; (27) 570; (31) 467; (36) 765; (38) 368.
guinea pigs, (26) 432.	467: (36) 765: (38) 368
nitrogen-lixing bacteria, (38) 428. plant growth, (40) 819. Spirogyra, (38) 27. wheat, (40) 515. hydrate, diffusion in soils, (29) 128. hydrate, diffusion handling (20) 805.	bran, methods of analysis, (29) 311.
Spirogyra, (38) 27.	bread, making, (30) 159. breeding, (26) 431; (32) 38; (40) 523.
wheat, (40) 515.	breeding—
	and improvement in Sweden. (39) 833.
in plants, (30) 502; (38) 409.	experiments, (27) 734; (28) 828; (29) 138; (30) 633; (33) 331, 432; (37) 33, 827; (39)
in plants, (30) 502; (38) 409. soils, (31) 720. tobacco, (31) 715.	126; (40) 233, 524.
	brewing, dissemination in Germany, (27) 639.
weeds, (20) 432. ions, effect on the heart, (27) 780. oxid, fixation of nitrogen by, (29) 822. phytate, composition, (31) 708. polysulphid, fungicidal value, (33) 347.	bushel weights, (37) 889. by-products, analyses, (38) 67.
ovid fixation of pitrogen by (20) 822	ahanastanistise (20) 20
phytate, composition, (31) 708.	Chinese, varieties, (29) 530.
polysulphid, fungicidal value, (33) 347.	765: (39) 370. (40) 571.
removal from brines, (36) 809. relation to loco-weed disease, (27) 580.	classification. (27) 31; (38) 833.
Saits, ellect on—	cold resistance of, (30) 524.
activity of lipase, (31) 264.	Chinese, valieties, (29) 530. Chinese, valieties, (29) 530. chop, analyses, (28) 464; (31) 863; (34) 169; (36) 765; (39) 370, (40) 571. classification. (27) 31; (38) 833. cold resistance of, (30) 524. coloring matanals in, (32) 59. composition, (31) 431; (32) 760.
nodule production in vetch, (32) 728. separation from—	composition as a Tected by—
calcium and magnesium, (26) 204.	composition is infected by— companion et op., (26) 617. environment, (32) 431. fertilization and soil preparation, (34) 230 irrigation, (28) 332. composition at different stages, (39) 836. correlation in, (30) 235, 830; (32) 433; (37) 141. cost of production, (26) 94; (29) 690; (32) 530 594, 688; (33) 830; (35) 691. cost of production in—
calcium and strontium, (26) 201. sulphate as soil disintectant, (31) 621.	fertilization and soil preparation, (34) 230
sulphur, insecticidal value, (34) 61. sulphur preparation, tests, (33) 330, 340.	irrigation, (28) 332.
sulphur preparation, tests, (33) 339, 340.	correlation in. (30) 235, 830; (32) 433; (37) 141.
toxicity toward plants, (30) 128; (38) 628.	cost of production, (26) 94; (29) 690; (32) 530
Bark- beetle, European, notes, (28) 57.	594, 658; (33) 830; (35) 691. cost of production in—
breths	Austria, (28) 594.
identification, (29) 859.	Great Plains area, (33) 231.
injurious to rubber, (27) 468. injurious to tropical plants, (30) 660.	covered smut, description and treatment, (26)
neinaloges associated with, (33) 750.	critical period of growing season, (39) 811.
notes, (32) 448, 552; (34) 857. of Canada, (38) 163; (40) 552. of Japan, (20) 560.	culture, (27) 337; (30) 434; (32) 132, 760; (34) 1\$8 694; (38) 636; (39) 834.
of Japan, (20) 560.	culture-
orchard, studies, (31) 852. studies, (28) 561.	and use, (39) 533. continuous, (27) 831, 832; (29) 227; (30) 124 (35) 30; (37) 445; (39) 530, 635; (40) 824.
borers killing healthy fir trees, (37) 465.	(25) 30: (27) 445: (29) 530, 635: (40) 824
ringing, ellect on sap descent, (32) 523.	experiments, (26) 38, 329, 737; (27) 232, 233,
ringing, effect on trees, (38) 128. structure, notes, (27) 347.	335, 530, 638; (20) 138, 225, 426, 427, 630, 632,
use for paper specialties, (36) 417.	430, 481, 526, 528; (33) 280, 328, 481, 633, 880
Barley—	(34) 137, 228; (35) 228; (36) 32, 33, 436, 830
acidity in, estimation, (40) 611.	(37) 436, 438, 734, 823, 825; (38) 132, 133, 134,
amylase of, studies, (31) 609. analyses, (26) 266, 363, 369, 770; (27) 170, 461, 359; (28) 464; (29) 270, 367, 470; (30) 434; (31) 864; (34) 667; (36) 65.	227, 437, 632; (40) 731, 734, 735.
639; (28) 464; (29) 270, 367, 470; (30) 434; (31)	experiments in Canada, (40) 228.
864; (34) 667; (36) 65.	(35) 30; (37) 445; (39) 530, 635; (40) 824. experiments, (26) 88, 329, 737; (27) 232, 233, 325, 530, (38; (20)) 138, 225, 426, 427, 630, 632, 736; (30) 33, 133, 231; (31) 44; (82) 36, 132, 430, 431, 526, 528; (33) 229, 323, 431, 633, 830; (37) 436, 438, 734, 823, 825; (38) 132, 133, 134, 334, 631, 632, 634, 830; (39) 124, 125, 126, 128, 227, 437, 632, (40) 731, 734, 735. experiments in Canada, (40) 228. experiments in Unicalland, (40) 230.
and oats— comparative growth in nutrient solutions,	experiments in Rhodesia, (40) 825.
(40) 134.	for chicken feed, (38) 827.
comparative yields, (40) 135, 328, and peas as hay crop, (89) 333.	IOF Day, (39) 125. for winter forege (38) 735.
and wheat, hybrid between, (34) 389.	for hay, (39) 125. for winter forage, (38) 735. in Argantina, (87) 823.

Barley-Continued.	Barley-Continued.
culture—continued. in Indiana, (40) 735.	germination—continued. tests, (29) 223; (31) 733; (37) 239.
Iowa, (39) 135	tests in hydrogen peroxid, (27) 201.
Mexico, (32) 131. Michigan, (39) 320	germinative ability and vegetative force, (29) 740.
New Mexico, (40) 18.	germ-ripening experiments, (26) 130.
New South Wales, (38) 231. North Dakota, (40) 736	grades of, (32) 138. grain—
southern Idaho, (36) 227. Texas Panhandle, (29) 429; (35) 440.	amino acid in, (33) 665. development, studies, (27) 836.
Washington, (37) 334.	morphology, (32) 823.
western Nebraska, (35) 438. Wisconsin, (31) 134.	grass— analyses, (28) 463; (30) 565
Wyoming, (38) 527. on moor soils, (30) 229; (38) 132; (39) 428, 437;	smut, infection of wheat by, (26) 845.
(40) 523.	green, analyses, (29) 467; (30) 565 green manuring experiments, (37) 734.
relation to rainfall, (33) 715.	ground, analyses, (26) 363, 468, (27) 570. ground, digestibility, (37) 677.
under dry farming, (26) 828; (30) 435; (36) 528, 529; (37) 329; (39) 131.	growing with—
under irrigation, (34) 528. cytological studies, (26) 325.	legumes, (40) 822. soy beans, (39) 741.
decomposition in soil, (40) 214.	growth as anected by—
decorticated or sterilized, relation to beriberi, (35) 167.	alkali salts, (34) 125. Azotobacter, (28) 814.
depth of sowing tests, (27) 835.	Azotobacter, (28) 814. calcium ovid, (40) 124. concentration of nutrient solution, (35) 436.
development as affected by iron, (30) 728. development of grains, (32) 121.	
dietary qualities, (39) 666. diseases—	electricity, (30) 827. fertilizer salts. (29) 329.
in Egypt, (30) 747. notes, (33) 146; (35) 245. studies, (28) 844; (30) 846.	electricity, (30) 827. electricity, (30) 827. fertilizer salts, (29) 329. meteorology, (29) 510. radioactivity, (28) 731. spacing, (31) 328.
studies, (28) 844; (30) 846.	spacing, (31) 328,
treatment, (31) 446; (35) 544; (36) 247, 845. distance experiments, (30) 732.	
dynamiting and subsoiling experiments, (32)	acid soil, (40) 324. artificial light, (28) 735. association with weeds, (38) 734.
528. ears, abnormal, notes, (29) 446.	association with weeds, (38) 734. heated soils, (31) 216.
effect on—	etariligad ealle (31) 336
companion crop of peas and beans, (32) 515. milk and butter, (34) 570. milk secretion, (34) 269; (36) 173; (40) 878.	water culture, (33) 223.
milk secretion, (34) 269; (36) 173; (40) 878.	volcanic ash, (29) 726; (32) 36. water culture, (33) 228. hall injuries to, (33) 127. hardiness, relation to sap density, (39) 430.
milling quality of wheat, (29) 866. electroculture, (27) 231; (39) 230; (40) 428.	Heiminthosporium diseases of, (29) 645.
embryo and alcurone layer, studies, (26) 229. embryo, morphology, (37) 127.	history of, (31) 131. hordein and wheat gliadin, relationship, (31)
embryo, morphology, (37) 127. enemies of, (29) 555.	377.
eosin, for pigs, (27) 570. fall-sown, in Maryland and vicinity, (36) 736.	hull content, determination, (26) 132. humin nitrogen content, (40) 510.
feed—analyses, (26) 165; (29) 367; (31) 467; (40) 571.	hybrid, mosaic-like splitting in, (40) 825. hybridization experiments, (28) 431, 828; (36)
analyses, (26) 165; (29) 367; (31) 467; (40) 571. and screenings, analyses, (40) 571. description, (40) 72. [eeding value, (34) 867; (38) 474, 879; (40) 72, 771. fertilizer experiments, (26) 231, 329, 423, 424, 522, 527, 335; (27) 32, 125, 530, 628, 638, 831; (28) 34, 724, 725, 726, 736, 816; (29) 22, 126, 227, 625, 727, 731, 736, 796; (30) 125, 229, 235, 324, 335; (31) 31, 37, 123, 217, 330, 421, 828, 829; (32) 431, 519; (33) 219, 227, 326, 625, 632; (34) 132, 517, 518, 622, 630, 724, 820; (33) 30, 325, 326, 425, 520; (36) 217, 529, 626, 726, 818; (37) 34, 229, 436, 438, 823; (38) 122, 726, 820; (39) 428, 530, 622, 623, 624, 726; (40) 515, 523, 621, 733, 735, 824, 825, fields, weed control in, (40) 536. flour, analyses, (34) 164; (38) 666. flour for bread making, (40) 67, 360, 556, 657. flour, recipes, (39) 267; (40) 67. following alfalfa, (39) 436. for cows fed alfalfa, (30) 575. Geoica squamosa on, (40) 752.	436,
feeding value, (34) 867; (39) 474, 879; (40) 72, 771.	hybrids, dominant and recessive characters in, (28) 197; (30) 33.
fertilizer experiments, (26) 231, 329, 423, 424, 522, 527, 535; (27) 32, 125, 530, 628, 638, 831; (28) 34.	hybrids, notes, (29) 735. improvement, (28) 828; (29) 532; (32) 630; (37)
724, 725, 726, 736, 816; (29) 22, 126, 227, 625, 727,	731.
31, 37, 123, 217, 330, 421, 828, 829; (32) 431, 519;	improvement in Canada, (37) 831. inheritance in, (37) 332.
(33) 219, 227, 326, 625, 632; (34) 132, 517, 518, 622, 630, 724, 830; (35) 30, 325, 328, 425, 520;	inheritance of albinism in, (31) 329. inoculation experiments, (28) 426; (35) 32.
(36) 217, 529, 626, 726, 818; (37) 34, 229, 436, 438,	insects affecting, (29) 555.
624, 726; (40) 515, 523, 621, 733, 735, 824, 825,	integumentary system in relation to perme- ability, (40) 519.
fields, weed control in, (40) 536.	integumentary system in relation to perme- ability, (40) 519. irrigation experiments, (28) 130, 132; (29) 182, 632; (30) 34; (31) 328; (32) 37, 225; (33) 225, 827; (37) (40, 92), (31) 328; (32) 37, 225; (33) 225, 827; (31) (40, 92), (32) 328; (32) 37, 225; (33) 225, 827; (32) 440, 920; (33) 328; (32) 37, 225; (33) 325; (33)
flour for bread making, (40) 67, 360, 556, 657.	(37) 640, 822.
nour, recipes, (39) 267; (40) 67. following alfalfa. (39) 436.	late blight, studies and bibliography, (29) 750. leaf blight, notes, (27) 45.
for cows fed alfalfa, (33) 575.	
gorm mean amaryses, (ou) (ou.	notes, (28) 149, 150, treatment, (31) 147, (33) 846, lime and marl for, (40) 322, liming experiments, (29) 223; (35) 429; (36) 27; (37) 733; (38) 22; (39) 530; (40) 134.
germinated, maltase in, (35) 414. germinating, enzymatic peptolysis in, (32) 130.	lime and marl for, (40) 322.
germinating power as affected by age, (27) 740.	(37) 733; (38) 22; (39) 530; (40) 134.
germination, (29) 629. germination and growth as affected by ammo-	biology of, (31) 50.
nium sulphate, (40) 218. germination as affected by—	description and treatment, (26) 341.
calcium cyanamid, (33) 818.	Infection experiments, (30) 240. investigations, (28) 545. notes, (29) 150; (30) 241, 448.
depth of planting, (36) 437. fertilizers, (29) 327.	notes, (29) 150; (30) 241, 448.
fungicides, (29) 346.	treatment, (26) 546; (27) 246, 848; (28) 445, 646; (31) 147, 342; (33) 846; (37) 247.
hot water treatment, (30) 449. silver nitrate, (34) 31.	malt, starch-forming enzym of, (33) 312. maltase content, (31) 204.
silver nitrate, (34) 31. stimulants, (26) 131. temperature, (30) 531.	meltad englycee (20) 187
germination—	malting power, (39) 232. meal, analyses, (26) 267, (66; (34) 469; (40) 571.
at different dates after threshing, (40) 443. in mercury vapor light, (30) 827.	measure of enzymic strength, (40) 612. Michigan Winter, (40) 233.

Barley—Continued.	Barley—Continued.
middlings, analyses, (31) 663; (33) 371; (35) 867; (39) 370.	selection experiments, (37) 32; (40) 233.
mildew, relation to light, (30) 747.	selection of varieties, (28) 633. selective permeability, (37) 25.
milling experiments, (40) 556.	Septoria disease, (36) 48.
milling value and use, (38) 663.	shorts, analyses, (27) 170; (33) 568; (35) 562; (37)
mosaic inheritance in, (30) 335.	471.
mutation in pure line of, (30) 36.	Smut—
new form, description, (30) 526. new two-rowed winter variety, (30) 36.	as affected by date of planting, (31) 50.
nitrogen distribution in, (36) 269.	effect on horses, (27) 882. in Dutch East Indies, (38) 448.
nutrition, studies, (31) 729.	smuts—
nutritive value and use, (32) 760.	cause and treatment, (30) 47.
of Khorassan, (37) 446.	description and treatment, (38) 548.
on alkalı soils as affected by copper and zinc, (39) 619.	life history and treatment, (28) 445.
pedigreed, in Wisconsin, (40) 624.	notes, (28) 544; (35) 348. treatment, (27) 137, 445; (28) 51; (31) 344;
pedigreed, yields, (31) 134.	(39) 248, 353, 533, 851; (40) 156, 346.
phenological observations, (40) 811.	son moisting removal by, (40) 480.
phosphoric acid exchange in, (28) 818.	spring v. fall sown, (39) 836.
phosphorus content, (27) 461. plant, relation to reaction of nutrient solution,	sprouts, analyses, (31) 73. starch, gelatinization point, (30) 10.
(40) 324.	starch, studies, (31) 828.
planting and harvesting dates, (26) 533.	statistical notes, (40) 626.
plat tests, technique, (40) 227.	straw-
pollination, (36) 527.	analyses, (28) 768.
potash lime for, (26) 526. potassium and phosphorus requirements, (37)	composition and digestibility, (34) 565. lime and phosphorus content, (26) 873.
34.	streak disease, treatment, (32) 145, 341.
powdery mildew infection of, (33) 244.	stripe, notes, (32) 544.
prevention of beribert by, (31) 762.	stripe, treatment, (39) 851.
prices and shrinkage, (34) 337. production in—	substitute in malting operations, (40) 808.
Bohemia, (32) 827.	susceptibility to mildew, (29) 844. Svalof golden, notes, (30) 230.
Chile, (39) 231.	Svalof golden, notes, (30) 230. Swiss types, (27) 338.
Bohomia, (32) 827. Chile, (39) 231. 1911, (26) 595.	tables for wagonloads, (32) 42. tannin in seed coats, (27) 730. thrips affecting, (28) 452. transformation of nitrogen by, (29) 133.
Russin, (26) 20 i. Spain, (28) 736. United Kingdom, (26) 793.	tannin in seed coats, (27) 730.
United Kingdom (26) 793	transformation of nitrogen by (20) 133
protein, nutritive value, (26) 155; (39) 665,	treatise, (30) 230.
protein, nutritive value, (26) 155; (39) 665. protein substances of, (33) 310.	
quality as affected by weather, (26) 415. rate of sowing tests, (27) 335, 531, 638, 639.	v. spring wheat, (40) 443.
rate of sowing tests, (27) 335, 531, 638, 639.	Varieties, (26) 39, 233, 629, 632, 733; (27) 32, 137,
ratio of grain to straw, (36) 218. refuse, analyses, (39) 167.	v. normly meat for pigs, (29) 671. v. spring wheat, (40) 443. varieties, (26) 39, 233, 629, 632, 733; (27) 32, 137, 324, 337, 530, 531, 538, 637, 638, 736, 834; (28) 432, 532, 827; (29) 138, 222, 225, 425, 428, 530, 630, 736; (30) 135, 229, 235, 434, 435, 525, 828, 829; (31) 829; (32) 36, 224, 334, 431, 433, 527, 528, 529, 530, 730, 731, 827; (33) 33, 34, 330, 431, 631, 632, 633; (34) 135, 227, 229, 629, 733, 734, 735; (35) 30, 32, 29, 29, 526, 637, 826; (36) 32.
relation between size of seed and yield, (26) 434.	630, 736; (30) 135, 229, 235, 434, 435, 525, 828,
relation of tops to roots, (31) 733.	829; (31) 829; (32) 36, 224, 334, 431, 433, 527,
relative yielding capacity, (40) 625.	528, 529, 530, 730, 731, 827; (83) 33, 34, 330, 431,
right- and left-handedness in, (27) 236; (30) 335. rod-row tests, technique, (38) 429.	1 031, 032, 033; (34) 135, 221, 228, 028, 135, 134, 135, 136, 138, 138, 121, 228, 028, 136, 138, 138, 138, 138, 138, 138, 138, 138
rolled—	735; (35) 30, 33, 228, 229, 526, 637, 526; (36) 32, 33, 34, 36, 132, 138, 227, 335, 435, 437, 529, 634, 735, 830; (37) 29, 30, 32, 33, 132, 135, 227, 228,
analyses, (36) 765.	735, 830; (37) 29, 30, 32, 33, 132, 135, 227, 228,
feeding value, (39) 776, 783.	230, 330, 332, 334, 436, 438, 530, 640, 641, 823,
rout—	824, 825; (38) 30, 131, 134, 333, 433, 632, 634, 636, 736, 830, 832; (39) 533.
development, (26) 327. development of seedlings, (30) 136.	varieties—
development with other crops, (26) 129.	for Alaska, (39) 125, 126.
system, (32) 634.	California, (26) 233.
rotation experiments, (29) 227; (40) 331, 733.	Montana dry lands, (35) 735.
rust spores in seeds of, (30) 241.	moor culture, (39) 438. New South Wales, (27) 338; (38) 528.
description, (35) 47.	the Dakotas and Montana, (38) 230.
in Canada, (34) 51.	Utali dry lands, (38) 230.
notes, (26) 143; (37) 153.	identification, (38) 833.
rye stalk disease affecting, (26) 546, secondary rootlets, (46) 32.	in Argentina, (40) 234, 625. new Swedish, (39) 833.
seed-bed preparation, (33) 230.	resistant to rust, (30) 230.
seed—	I voriativ-
cleaning, (40) 40.	characteristics, (31) 228. tests, (39) 128, 129, 130, 227, 228, 333, 334, 336, 337, 435, 436, 437, 735, 737, 738; (40) 31, 32, 135, 228, 230, 233, 332, 431, 523, 626, 728, 730, 731, 732, 733, 735, 825.
conts, permeability, (34) 626.	1 10515, (39) 128, 129, 130, 227, 228, 330, 339,
disinfection, (31) 738, 840. migration of reserve material to, (34) 35,	31, 32, 135, 228, 230, 233, 332, 431, 523, 626,
729.	728, 730, 731, 732, 733, 735, 825.
resistance to desiccation, (40) 39.	1 6865. 66011110 66. (40) 227.
treatment, (39) 238.	volume weight and grain characteristics, (37)
viability as affected by age, (31) 624. seeding—	643. water requirements, (29) 826; (32) 127; (34) 720;
denths (40) 997	(38) 227.
experiments, (29) 224, 225, 426; (30) 333; (31)	water requirements in India, (27) 429.
experiments, (29) 224, 225, 426; (30) 333; (31) 328, 330; (32) 528, 530, 531; (36) 134; (37) 226, 733; (80) 130, 227, 228, 336; (40) 228.	weed seeds in, (32) 833.
226, 733; (39) 130, 227, 228, 336; (40) 228.	wheat midge on, (39) 159.
in furrows, (36) 831. tests under irrigation, (39) 133.	wild, eradication, (39) 842, winter, northern limits in United States, (37) 533.
seedlings—	winter, notes, (28) 432.
absorption of nitrogen by, (35) 434.	xenia in, (40) 826. Field as affected by—
as affected by aluminum, (39) 115.	yield as affected by—
growth in nutrient solutions, (38) 736.	antagonism between anions, (33) 323. pasturing, (30) 633.
seeds— absorption of water by, (28) 226.	source of seed, (26) 829.
migration of reserve material to, (32) 399.	sulphur, (35) 529.

Barley—Continued. yield of plump v. shrunken seed, (27) 734.	Bassides in British Museum, revision, (51, 653 Bassus—
yield on alf. lfa stubble, (33) 828.	carpocapsae n.sp., description, (35) 202
yields, (27) 734; (29) 138; (40) 735.	coleophorae n.sp., description, (34) 156. earmoides, parasitic on bud moth, (31) 250
yields— determination, (37) 634.	gibbosus, notes, (36) 655.
in Australia, (38) 133.	laetatorius, notes, (28) 254.
in relation to ruinfall, (34) 319. Barn—	sp., parasitic on Syrphidae, (26) 349. Basswood—
and field experiments in 1917, (39) 398.	forcing experiments, (38) 413.
conveniences, descriptions, (27) 90. trusses, stresses in, (36) 399.	planting, (32) 853. Bast-fiber industry in Dutch East Indus, (35) 527.
Barnacle way-scale notes, (28) 453.	Bastol, analyses, (27) 371.
Barns— cattle and sheep, plans, (31) 488.	Bastol, notes, (30) 202, 711. Bat guano—
circular, construction, (27) 589; (40) 90.	analyses, (27) 824, 825; (29) 516; (31) 724; (33) 821; (35) 127, 328, (38) 23.
concrete, for cold climate, (38) 292. construction, (37) 886, 887.	821; (35) 127, 328, (38) 23. analyses and fertilizing value, (36) 525.
dairy—	deposits in Cuba, (27) 118.
construction and equipment, (31) 892.	deposits in Mexico, (26) 623. examination, (36) 319.
plans, (32) 470. ventilation, (29) 474.	fertilizing value, (27) 825; (29) 129; (33) 517. of Cuba and Isle of Pines, (33) 24.
disinfection, (29) 885.	of Cuba and Isle of Pines, (33) 24.
for prairie farms, (35) 689. framing, (26) 398.	of Porto Rico, (39) 426. Bat, new—
framing, (26) 398. plans, (26) 894; (28) 291; (36) 399. plans and descriptions, (27) 89.	from Mexico, (37) 757. from Porto Rico, (35) 460. Bathing in Greal, Sall, Lake, metabolic effects, (31) 763; (33) 367; (35) 767. Bathyrheometer as anemometer, (38) Si2. Bathythrix tibials n.s.p., description, (38) 565.
plans and descriptions, (27) 89. plans and specifications, (29) 390; (33) 783.	Bathing in Great Salt Lake, metabolic effects, (31)
plans and specifications, (29) 390; (33) 783. sanitary, construction, (27) 89.	763; (33) 367; (35) 767.
sanitary, relation to clean milk, (29) 500. ventilation, (32) 284; (33) 891.	Bathythrix tibialis n.sp., description, (38) 565.
Barnyard—	Ratocara—
grass, analyses, (34) 39. grass, Japanese, culture experiments, (27) 735.	hector, injurious to kapok, (26) 354. rubra in Tortola, (39) 862. rubra, notes, (26) 151; (40) 655. Batrachedra riloyi, see Pyroderces rileyi.
manure, see Manure,	rubra, notes, (26) 151; (40) 655.
millet, notes, (26) 362. Barometric pressure—	Batrachedra rucyl, see Pyroderces rucyl. Bats—
and carbon dioxid excretion, relationship, (30)	eradication of mosquitoes by, (31) 62.
563. et Weshington D. C. (34) 117	injurious to kapok, (26) 354. of California, (40) 853.
at Washington, D. C., (34) 117. djurnal variations, (27) 316; (28) 213; (32) 810.	relation to rables, (27) 285. Batteries, dry, care of, (26) 686.
effect on— carbon dioxid excretion in man, (29) 569.	Batteries, dry, care of, (26) 686. Battle fields, leveling, (38) 690.
metabolism, (31) 362. plant growth, (36) 730.	Bauhinia esculenta, notes, (29) 362.
plant growth, (36) 730. in absolute units, (31) 212.	Bavarian— cereal breeding station in Weihenstephan, (33)
in Italy, (35) 618. in soils, (26) 323.	831.
in soils, (26) 323.	Moorculture Station, report, (26) 830. Bay—
of western and equatorial Africa, (34) 208. relation to—	flea louse, notes, (37) 157.
sun spots, (38) 115,	swamp, analyses, (26) 612.
temperature, humidity, and latitude. (34) 413.	tree, culture for oil, (35) 449. trees, culture experiments, (38) 542; (40) 339.
water level, (39) 17.	Bdella cardinalis, notes, (27) 861.
wind velocity, (40) 715. units, conversion, (31) 615.	Bdellolarynx sanguinolentus, life history, (35) 856.
variations in United States, (37) 807.	Beach fog and fracto-cumulus, (34) 118.
Barrel, standard, Federal law, (37) 832. Barrels, wooden, tests, (31) 144.	Beachflies breeding in dead crabs, (39) 861. Beam ends, protection from decay, (26) 541.
Barrels, wooden, tests, (31) 144. Bartonella bacilliforms—	Bean-
asexual cycle, (34) 858. notes, (31) 847; (37) 377.	and corn silage, analyses, (39) 773. anthracnose—
Bartramia longicauda, notes, (27) 355 Baryconus oecanthi, notes, (31) 650.	notes, (33) 432; (37) 652; (38) 848.
Baryscapus sp., notes, (29) 658.	relation to temperature, (34) 541. resistant varieties, (34) 644; (35) 348; (40) 643.
Basalt, ground, effect in water culture, (28) 817.	resistant varieties, (34) 644; (35) 348; (40) 643. studies, (39) 354, 455, 745. treatment, (34) 746; (35) 652; (36) 748; (38)
Basedowsan, nature and use, (26) 580. Basella rubra, leaf disease of, (31) 56.	249.
Bases—	aphis, see Aphis rumicis.
absorbed, determination in soils, (30) 215.	bacteria as affected by acidity, (39) 722. bacteria, notes, (39) 338. bacteriosis in Indiana, (39) 52.
effect on seed germination, (26) 131. natural, treatise and bibliography, (32) 201. nutrient and nonnutrient, effect on plant	bacteriosis in Indiana, (39) 52.
growth, (30) 128.	bacteriosis. studies, (34) 746. beetle, studies, (37) 465.
organic, occurrence in rabbit meat, (26) 563.	
plant, studies, (31) 309.	blight of Dacteriosis, notes, (37) 150.
reactions of ions and molecules. (37) 201.	blight, studies, (28) 846; (39) 354, 455.
reactions of ions and molecules, (37) 201. Basi from sugar cane, (29) 118.	blight, studies, (28) 846; (39) 354, 455. blight, treatment, (34) 746; (35) 652; (36) 748. Cercospora disease, notes, (39) 453.
Basi from sugar cane, (29) 118. Basic compounds, effect on plants and microorgan-	blight, studies, (28) 846; (39) 354, 455. blight, treatment, (34) 746; (35) 652; (36) 748. Cercospora disease, notes, (39) 453. diseases—
Basi from sugar cane, (29) 118. Basic compounds, effect on plants and microorganisms, (27) 228. Basic slag, see Phosphatic slag.	blight of patcerosis, notes, (37, 160, blight, studies, (28) 846; (38) 354, 455. blight, treatment, (34) 746; (35) 652; (36) 748. Cercospora diseases, notes, (39) 453. diseases— and pests in greenhouses, (38) 750. bibliography, (39) 455.
Basi from sugar cane, (29) 118. Basic compounds, effect on plants and microorganisms, (27) 229. Basic slag, see Phosphatic slag. Basiclomycetes, culture experiments, (32) 341.	blight, studies, (28) 846; (39) 354, 455. blight, treatment, (34) 746; (35) 652; (36) 748. Cercospora disease, notes, (39) 453. diseases— and pests in greenhouses, (38) 750. bibliography, (39) 455. description and treatment, (37) 245.
Basi from sugar cane, (29) 118. Basic compounds, effect on plants and microorganisms, (27) 229. Basic slag, see Phosphatic slag. Basidiomyoetes, culture experiments, (32) 341. Basilona imperialis, notes, (26) 656, 856. Basket willows, see Willows.	blight, studies, (22) 846; (39) 354, 455. blight, treatment, (34) 746; (35) 652; (36) 748. Cercospora disease, notes, (39) 453. diseases— and pests in greenhouses, (38) 750. bibliography, (39) 455. description and treatment, (37) 248. in Colorado, (39) 52. in New York, (37) 840.
Basi from sugar cane, (29) 118. Basic compounds, effect on plants and microorganisms, (27) 229. Basic slag, see Phosphatic slag. Basidiomycetes, culture experiments, (32) 341. Basilona imperialis, notes, (26) 656, 856. Basket willows, see Willows. Baskets, standard, (38) 40.	blight, studies, (22) 846; (39) 354, 455. blight, treatment, (34) 746; (35) 652; (36) 748. Cercospora disease, notes, (39) 453. diseases— and pests in greenhouses, (38) 750. bibliography, (39) 455. description and treatment, (37) 248. in Colorado, (39) 52. in New York, (37) 840.
Basi from sugar cane, (29) 118. Basic compounds, effect on plants and microorganisms, (27) 229. Basic slag, see Phosphatic slag. Basidomycetes, culture experiments, (32) 341. Basilona imperialis, notes, (26) 656, 856. Basket willows, see Willows. Baskets, standard, (38) 40. Basset hounds, tricolor inheritance, (38) 269. Bassla— Bassla—	blight, studies, (22) 846; (39) 354, 455. blight, treatment, (34) 746; (35) 652; (36) 748. Cercospora disease, notes, (39) 453. diseases—
Basi from sugar cane, (29) 118. Basic compounds, effect on plants and microorganisms, (27) 229. Basic slag, see Phosphatic stag. Basidiomyoetes, culture experiments, (32) 341. Basilona imperialis, notes, (26) 656, 856. Basket willows, see Willows. Baskets, standard, (38) 40. Basset hounds, tricolor inheritance, (38) 259.	blight, studies, (22) 846; (39) 354, 455. blight, treatment, (34) 746; (35) 652; (36) 748. Cercospora disease, notes, (39) 453. diseases— and pests in greenhouses, (38) 750. bibliography, (39) 455. description and treatment, (37) 248. in Colorado, (39) 52. in New York, (37) 840.

D Continued	Deems Continued
Bean—Continued. fly—see also Phorbia fusciceps.	Beans—Continued. Asiatic, description, (31) 739.
notes, (29) 657; (30) 458; (32) 350. Philippine, studies, (40) 457. Fusarium disease as affected by soil tempera-	assimilation of nitrogen by, (26) 32.
Philippine, studies, (40) 457.	bacterized peat for, (39) 116.
ture, (39) 147.	behavior of organic substances in, (39) 526. Bengal—
growing contest, notes, (29) 94.	as green manure, (36) 737.
growing contest, notes, (29) 94. hay, analyses, (31) 740.	notes, (31) 864.
lands, semiannual cropping, (37) 829. leaf-beetle—	or Mauritius, as a cover crop, (34) 736. black, from Venezuela, tests, (33) 536. black-cye, as orchard intercrop, (39) 47. bonavist, lablab, or hyacinth, (34) 436.
notes, (29) 652,	black-eve, as orchard intercrop. (39) 47.
on cowpeas. (34) 254; (40) 860.	bonavist, lablab, or hyacinth, (34) 436.
leaf roller, notes. (29) 652; (35) 355.	breeding experiments, (27) 528; (29) 433; (30) 343; (32) 540; (33) 635; (39) 747; (40) 524, 740.
leaf spot, treatment, (32) 843. maggot—see also Phot bia fusciceps.	broad, culture experiments, (32) 132.
in Chile, (40) 648.	bush, lime-magnesia requirements, (29) 520.
in Chile, (40) 648. notes, (26) 753; (35) 363. meal, analyses, (26) 468, 660; (29) 367; (32) 465.	bushel weights, (37) 889.
meal, effect on milk and butter, (34) 570.	Californian, composition, (39) 266. Canada, culture experiments, (31) 829.
mosaic disease, notes, (37) 751.	canning, (39) 165, 717.
oil, constants of, (35) 611.	canning wastes, purification, (39) 717.
Orobanche disease, (39) 52. pests, treatment, (33) 231.	catalytic fertilizers for, (27) 629. color inheritance in, (40) 536.
plant, relation to reaction of nutrient solution,	composition at different stages, (39) 836.
(40) 324.	correlation studies, (36) 826.
pod blight, investigations, (38) 449. pod borer, notes, (27) 155.	cost of production, (30) 830.
pods, analyses, (26) 665.	creeping, notes, (31) 631. cull, analyses, (27) 170.
pods, individuality as compared with that of	cull, for fattening steers, (40) 768.
the plant, (40) 31. refuse, analyses, (26) 714.	culture, (26) 393; (32) 226; (37) 136, 195, 232, 343, 641, 642.
root diseases, studies, (36) 248.	culture—
rust	and harvesting for drying, (37) 642.
and spot diseases, (39) 249. control, (40) 845.	and narvesting for drying, (37) 642. and use in Trinidad, (40) 763. experiments, (30) 237, 830; (31) 732; (33) 31; (35) 141; (36) 32, 340; (37) 742; (38) 830; (39) 128, 333, 437, 632.
description, (32) 238.	(35) 141; (36) 32, 340; (37) 742; (38) 830;
description, (32) 238. notes, (29) 150; (31) 746; (37) 453. resistance to, (38) 149.	(39) 128, 333, 437, 632.
resistance to, (38) 149.	101 5660, (37) 430.
susceptibility, studies, (39) 852. sclerotinia diseases, (40) 49.	in Antigua, (36) 735. Arkansas, (39) 635.
seed, preservation and treatment, (28) 846.	Arkansas, (39) 635. California, (39) 233. Colorado, (39) 31.
seedlings—	Dutch East Indies, (30) 697.
as affected by cerium chlorid, (31) 326. correlation in, (37) 630.	Dution East Indies, (30) 697. greenhousers, (38) 749. Michigan, (39) 320. Montana, (33) 526. New Mexico, (40) 18. Northwest, (30) 138; (38) 434. Nyasaland, (26) 829. Philippines, (39) 444.
primordial leaves in, (36) 221.	Michigan, (39) 320.
stimulation by Roentgen rays, (30) 729.	Montana, (33) 526.
seeds, large v. small, (31) 634. slug, notes, (40) 56. starch, studies, (31) 828. stem disease, notes, (36) 748; (39) 354.	Northwest. (30) 138; (38) 434.
starch, studies, (31) 828.	Nyasaland, (26) 829.
stem disease, notes, (36) 748; (39) 354.	Philippines, (39) 444.
stem maggot, notes, (30) 160.	Rhodesia, (27) 32, 637.
stem disease, studies, (38) 148. stem magget, notes, (38) 160. strew, analyses, (26) 665. straw, composition and digestibility, (34) 565.	Philippines, (39) 444. Porto Rico, (36) 341. Rhodesia, (27) 32, 667. project work in, (33) 792.
straw, composition and digestibility, (34) 565.	under dry farming, (36) 528, 529; (37) 329. under shade, (27) 741.
strings and stems, analyses, (38) 626. sun scald, studies, (39) 455.	cumulative influence of starvation in, (27) 636;
thrips—	(28) 331.
internal parasite of, (26) 858.	description, (30) 828.
notes, (38) 258. on olive, (38) 157. studies, (28) 249.	dietary deficiencies, (37) 163. doubling cotyledons and leaves in, (36) 331.
studies, (28) 249.	drying, (37) 509.
tubercies, analyses, (21) 802.	effect on— companion crop of barley, (32) 515.
weevil— biology and control, (39) 363.	intestinal flora, (40) 867.
control, (39) 664.	intestinal flora, (40) 867. soil fertility, (27) 138.
in Vermont, (40) 50.	
Mexican, notes, (34) 857. notes, (34) 754; (37) 262; (40) 50, 64, 266, 861. remedics, (40) 553.	environment of pods and seeds in, (39) 738. environmental changes in, (30) 343. ere, culture experiments, (29) 830.
remedics, (40) 553.	ere, culture experiments, (29) 830.
studies, (36) 855; (40) 553. weevils in Hawailan Islands, (40) 266.	factors affecting weight, (30) 433. feeding value, (27) 378.
weevils in South Africa, (40) 861.	fertility in relation to ovules per pod, (38) 29.
Beans-	fertility in relation to ovules per pod, (38) 29. fertilitzer experiments, (26) 630, 631, 727, (27) 32, 137, 421; (28) 236, 735; (29) 731; (30) 627; (31) 421; (33) 326; (34) 27, 722; (35) 425; (37) 742;
abortiveness in relation to position in pod,	137, 421; (28) 236, 735; (29) 731; (30) 627; (31) 421; (32) 326; (34) 27 723; (35) 425; (37) 742;
(36) 838. absorption of ultraviolent rays, (39) 733.	(40) 134.
adzuki, see Adzuki beans.	(40) 134. fertilizing value, (32) 216, 630, 828. field, (40) 435.
agglutinin from, (37) 81. analyses, (26) 267, 770; (31) 740; (37) 268, 343;	neid, (40) 435. field—
(39) 773.	analyses, (26) 363,
as affected by	critical period of growing season, (39) 811.
alkali salts, (39) 720. bog water, (29) 733.	culture, (33) 231; (39) 441, 834. culture experiments, (32) 132, 431.
copper fungicides, (28) 247.	culture in Canada, (33) 432.
copper functicides, (28) 247. fertilizers, (29) 339. pod position, (34) 134. as dry-farm crop, (39) 736.	depth of sowing tests, (27) 835.
pod position, (34) 134.	description and agricultural value, (36) 635. graphic summary of seasonal work, (39) 495.
	tests in Montserrat. (40) 228.
forage crop. (37) 640.	varieties, (27) 334; (32) 37, 132; (33) 432.
host plant of red spider, (32) 157.	variety tests, (39) 128.

T	Deems Continued
Beans—Continued. fodder, of India, (40) 231.	Beans—Continued. native, substitutes for in food of French Army,
forcing experiments, (38) 443.	(40) 557.
forcing with radium, (28) 825 French, varieties at Wisley, (33) 536.	natural selection in, (28) 430; (29) 139.
French, varieties at Wisley, (33) 536.	navy— antineuritic value as affected by heat and
from Sudan, analyses, (29) 569. from various countries, analyses, (40) 557.	alkalis, (40) 565.
fruit thinning experiments, (27) 741.	ash analyses, (29) 861.
garden— as an index to smoke injury, (31) 146.	dietary properties, (39) 266, 666. starch content, (35) 108.
culture, (30) 335.	variation in. (39) 330.
nodule bacteria of, (32) 33, 327. relation of mortality to seed weight, (30) 237.	nematodes affecting, (30) 448. nutritive value, (36) 63.
relation of mortality to seed weight, (30) 237.	nutritive value, (36) 63.
genetic studies, (32) 130. germinating, pentosans in, (27) 730.	of Burma, names and descriptions, (33) 229. oil content, (27) 717.
germination as affected by—	phosphorus content, (21) 461.
fertilizers, (29) 327.	plant nutrients removed by, (29) 837. Porto Rico, culture experiments, (31) 829
metallic compounds, (29) 528. Roentgen rays, (28) 128.	potash lime for. (26) 526.
sait concentration, (39) 732.	potash lime for, (26) 526. preparation and use, (32) 253.
germination in—	preservation, (38) 266. preservation by pressure, (32) 416. production in Spain, (28) 736. Rangoon, examination, (30) 258.
hydrogen peroxid, (27) 201. mercury vapor light, (30) 827.	production in Spain. (28) 736.
glucosid formation by, (36) 329.	Rangoon, examination, (30) 258.
green, as meat substitute, (38) 166. ground, analyses, (26) 715; (31) 65. growth as affected by—	red spider attacking, (39) 05.
growth as affected by—	relation— between weight and germinability, (30) 522.
fertilizer salts, (29) 329.	of tops to roots, (31) 733.
light, (28) 227.	of weight of seed to yield, (29) 522, 633; (31)
manganese salts, (32) 725.	824, salicylic acid reaction, (36) 63.
growth in— acid soil, (40) 324.	Sclerotinia libertiana affecting, (26) 647.
calcareous soils, (31) 627, 816.	seed-
relation to climate, (33) 116.	color variation in, (37) 334. disinfection experiments, (31) 738.
haricot, field tests in Fiji, (40) 231.	testing, (38) 41.
harvesting and storage, (38) 41. hemagglutinating and precipitating properties,	treatment, (39) 238; (40) 443. treatment with iron sulphate, (34) 528.
(30) 804.	treatment with iron sulphate, (34) 528.
history and phylogenesis, (38) 539. home-canned string, botulism caused by, (33)	selection experiments, (36) 735; (37) 32. small, seeding experiments, (35) 526.
866.	snap, Scierotinia blight of, (36) 647.
home drying, (38) 41.	soaking seed, (40) 727. southwestern, studies, (28) 639.
horse, see Horse beans. hybridization experiments, (29) 433.	stachyose in, (31) 13.
imported, inspection in France, (27) 310.	Stizolobium, culture in Porto Rico, (29) 631.
inheritance—	stored, variations in weight of, (31) 235.
in, (27) 740; (28) 740; (30) 343; (32) 538; (34) 146; (36) 729, 839.	string— canning, (39) 165,
of blossom color in, (30) 142.	canning, (39) 165. carbohydrates in, (31) 11.
eye pattern in, (36) 826.	drying, (37) 509. electroculture experiments, (40) 147.
habit in, (34) 41.	greenhouse, carbon dioxid for, (39) 38.
height in, (35) 836. seed color in, (38) 539.	response to carbon dioxid, (40) 820.
shape and size in, (36) 735. insects affecting, (33) 153; (39) 256. intoxication of horses by, (26) 887. irrigation experiments, (29) 638; (31) 732; (32)	susceptibility to anthracnose, (26) 747.
interception of horses by (26) 887	sword, as cover crop, (34) 736. sword, culture in Porto Rico, (29) 631.
irrigation experiments, (29) 638; (31) 732; (32)	tepary, see Tepary beans.
100, (00) 000.	tetracotyledonous race, (36) 522.
irrigation on sandy soil, (33) 287. jack, <i>see</i> Jack beans.	toxicity, (38) 539. translocation of mineral constituents, (34) 427.
kidney—	use by prehistoric Americans, (38) 167.
as forage crop, (38) 336. fertilizer experiments, (28) 735.	use in bread making, (40) 66.
xenia in, (31) 836.	varieties, (26) 631; (27) 32; (28) 533; (29) 222, 228,
lablab, analyses, (27) 68.	variation in due to fertilizers, (29) 435. varieties, (26) 631; (27) 32; (28) 533; (29) 222, 228, 426; (30) 829; (31) 732; (32) 630; (33) 33, 34; (35) 141; (36) 32, 437; (37) 32, 329; (38) 344, 432, 632, 750, 832; (39) 233.
Lima—	141; (36) 32, 437; (37) 32, 329; (38) 344, 432, 632, 750, 839, 730, 933
arsenical burn of, (31) 641.	varieties for Texas, (40) 729.
culture, (26) 539. downy mildew, (39) 52.	varieties tolerant to salt. (40) 435.
improvement by selection, (29) 540.	variety tests, (39) 128, 333, 434, 835; (40) 431, 730. velvet, see Velvet beans.
insects affecting, (35) 355; (37) 400. liming experiments, (40) 134.	water requirements, (32) 127; (34) 720; (38) 227.
liming experiments, (40) 134. limitation studies, (34) 146; (36) 839; (39) 747.	weight in relation—
Lyon—	number of pods per plant, (36) 826.
as cover crop. (31) 635; (34) 736.	white wax, seeding depths, (40) 227.
breeding experiments, (27) 338. culture experiments, (27) 336; (31) 829.	Windsor, as affected by sodium chlorid, (40)
culture experiments, (27) 336; (31) 829. hybridization experiments, (27) 338; (29) 228;	435. Wire frames for (33) 891
(31) 734; (34) 431; (35) 529. notes, (26) 362.	wire frames for, (33) 891. xenia in, (28) 431; (31) 224, 836.
notes, (26) 362.	Vield as affected by suitbuilt. (34) 726.
Madagascar, culture experiments, (38) 336, 527. marrow; elongation of hypocotyl, (28) 739.	Yokohama, culture experiments, (27) 335. Yokohama, yields, (29) 224.
membracid attacking, (40) 753.	Bear—
membracid attacking, (40) 753. microscopic character, (36) 714.	clover, effect on forest reproduction, (40) 842.
milling experiments, (40) 556. moth, yields, (39) 434.	grass as feeding stuff, (40) 277.
mungo, see Mungo beans.	græs, notes, (29) 441. River basin, hydrography, (32) 587.
mutation, (30) 329; (36) 138.	Valley, Calif., hydroelectric development, (28)
Natal sugar, culture experiments, (30) 632.	415

Beard grass, scented golden, analyses, (30) 565.	Beech-Continued.
Bears— grizzly and big brown, of North America, (38) 760.	snap disease, studies, (30) 653 timber estimating tables for, (36) 345.
host of spotted fever tick, (26) 64. Beauveria—	volume tables for, (30) 744. winter foliation, (36) 224.
(Botrytis) bassiana, notes, (32) 63.	wood-
peteloti n.sp., notes, (37) 467. (Sporotrichum) globuliferum, notes, (30) 459.	analyses and use as human food, (33) 866. as affected by ozone, (30) 711.
Beaver— fluke, studics, (33) 659.	Contornors cerebells on (39) 553.
mountain, habits and economic significance, (39) 759.	creosote, studies, (37) 114. creosote, toxicity to wood-destroying fungi, (37) 502.
mountain, notes, (37) 895.	soils, nitrification in, (40) 418. woods of United States, (30) 46.
Bedbugs— as affected by cold and starvation, (36) 53. biology, (28) 654; (31) 156.	yield tables, (27) 348.
	Beechut— cake, analyses, (26) 363.
destruction with cyanid gas, (36) 456.	oil, manufacture and use, (38) 806. Beechnuts, analyses and feeding value, (31) 365.
destruction with cyanid gas, (36) 456. eggs and larvae, vitality, (32) 348. fumigation experiments, (36) 53.	Beef—see also Cattle, beef. adulteration with horse meat, (34) 113.
host of kala-azar parasite, (28) 655. notes, (26) 759; (27) 55; (29) 454; (36) 153.	
	as polyneuritis preventive, (28) 761. baby, production, (29) 571; (31) 866; (37) 269, 366, 367; (40) 74, 367. brisket fat, digestibility, (36) 860
influenza, (40) 548. plague, (33) 747. poliomyelitis, (28) 753.	368, 367; (40) 74, 367.
relapsing fever, (36) 356. typhoid fever, (28) 251. remedies, (28) 555; (31) 353; (39) 762.	DV-Droducts, utilization and shiphuent, 1907 711
typhoid lever, (28) 251. remedies, (28) 555; (31) 353; (39) 762.	changes in during cold storage, (36) 759. chilled, discolored spots on, (28) 659. clubs, farmers', (39) 773.
summary of information, (39) 763. transmission of—	
diseases by, (26) 760; (31) 550, plague by, (38) 559.	cold storage, statistics, (28) 869.
trypanosomes by, (30) 853.	cold storage, statistics, (28) 869. cost of production, (28) 72. cost of production under semirange conditions,
Bedding— materials for live stock, (39) 621.	(31) 468. cured and salted, in United States, (38) 865. defrosting, (27) 470.
plants, propagation, (40) 247.	defrosting, (27) 470. dressed, exports from Argenting, (26) 768.
colony, temperature of, (31) 254, 553.	dressed, exports from Argentina, (26) 768. drying, (27) 279.
disease, notes, (36) 53, 258. diseases—	exports from Australia, (33) 268. extract, behavior of lactic acid in, (26) 408.
control by heating, (31) 255. in British Columbia, (32) 551.	extract, nutritive effects of, (26) 155. fat, accessory growth substance in, (38) 265.
Germany, (37) 460.	fat, accessory growth substance in, (38) 265. composition, (77) 499. detection in 11 1, (29) 788.
Germany, (37) 460. Massachusetts, (37) 855. New Jersey, (38) 865. Ontario, notes, (27) 458; (29) 57. Pennsylvania, (37) 459. notes, (26) 63, 151; (27) 359; (28) 562; (30) 759; (31) 553; (32) 754; (37) 162, 360. review of literature, (27) 60.	determinat on in lard, (21) 491.
Ontario, notes, (27) 458, (29) 57. Pennsylvania, (37) 459.	digestibility, (34) 364 rôle in glycogen formation, (31) 763.
notes, (26) 63, 151; (27) 359; (28) 562; (30) 759; (31) 553; (32) 754; (37) 162, 360.	rôle in glycogen formation, (31) 763. fresh, fumeric acid in, (31) 759. frozen for 18 years, (32) 559.
review of literature, (27) 60.	frozen, treatment and utilization, (35) 859. growers organization in Iowa, (29) 894.
studies, (37) 59. fly, life history, (29) 456. genus Andrena, notes, (40) 65.	imports—
moin—	from Argentina, (31) 95. into Great Britain, (27) 470; (30) 171.
bacterial diseases of, (26) 250. destruction by cold, (10) 760.	industry in—
fumigation, (40) 755.	Argentina, (28) 365; (29) 870. Pennsylvania, (26) 667. Philippines (28) 666
immunity to microbes, (27) 655. immunity to tuberculosis, (31) 155.	Pennsylvania, (26) not. Philippines, (26) 666. jerked, industry in Argentina, (31) 75. kidney, extractive material in, (26) 154. meal, notes, (29) 765. prices as affected by cold storage, (28) 871. prices in Ireland, (31) 96.
notes, (28) 352; (31) 352.	meal, notes, (29) 765.
parasites of, (26) 657; (40) 359.	prices as affected by cold storage, (28) 871.
immunity to turner cutosis, (21) 350. life history, (26) 349; (29) 859; (32) 151. notes, (28) 352; (31) 352. parisites of, (20) 657; (40) 359. paralysis, cutose, (38) 564. pastures, tests., (40) 65. solvend disease, (30) 665.	
Beech-	as affected by plane of nutrition, (33) 265. experiments, (28) 599.
absorption of nitrogen by, (26) 443. and oak, union of, (33) 343.	importance of silage in, (29) 69. in Argentina, (30) 171.
as affected by smoke, (31) 521.	importance of a slage in, (29 os. in Argentina, (30) 171. Florida, (27) 672. southern Texas, (30) 468. the South, (31) 74, 367. United States, (30) 467. notes, (32) 468. studies, (28) 572. products freezing and salting, in South Ame ri
canker, notes, (28) 446. coccus, felted, in Nova Scotin, (30) 358.	the South, (31) 74, 367.
density and porosity, (32) 47.	notes, (32) 468.
density and porosity, (32) 47. destructive distillation, (27) 745; (38) 808. diseases, notes, (27) 51; (32) 242. distillation value, (32) 48. testing experiments, (28) 425.	products, freezing and salting, in South Ameri ca, (31) 367.
distillation value, (32) 48. forcing experiments, (28) 435.	ca, (31) 367. proteins, studies, (39) 201.
grafting, (31) 443.	ratio of bone to meat, (40) 555.
growing with spruce and pine, (27) 542. gumming disease, (39) 254. historical sketch, (35) 241.	retail buying, (29) 194. scrap—
humus, effect on plant growth, (32) 618.	Scrap— Sanalyses, (26) 165, 362, 468, 568, 665; (37) 68, 570, 670, 774, 872; (28) 265, 464, 572, 689, 769; (29) 270, 271, 447, 666, 769; (30) 68, 169, 565, 868; (31) 73, 569, 663; (32) 169, 568, 667, 862; (33) 371; (34) 169, 263, 566, 665; (35) 867; (36) 667, 768.
leaf mold, fortilizing value, (29) 622. leafy twigs, preservation, (37) 837.	(29) 270, 271, 467, 666, 769; (30) 68, 169, 565, 868; (31) 73, 569, 663; (32) 169, 568, 667, 862;
mast, feeding value, (32) 566.	(33) 371; (34) 169, 263, 566, 665; (35) 867;
Orchestes, notes, (30) 53. periodicity in, (27) 426; (29) 442. red, studies, (28) 843. seedling mildow, notes, (26) 446.	tot growing chicks, (b) too.
red, studies, (26) 843. seedling mildow, notes, (26) 446.	for laying hens, (31) 569. v. cottonseed meal for chicks, (30) 571; (31)
seeds, germination tests. (27) 444.	473.

52831-26†----6

Beef-Continued.	Bees-Continued.
selection and cooking, (38) 567.	disease, unusual, (39) 566.
soups, condensed, examination, (31) 659.	diseases, studies, (39) 468. distribution of pear blight by, (33) 149.
storage in Philippines, (26) 262. studies of various cuts, (28) 163.	domesticating, (27) 564.
supply of United States, (29) 770.	Egyptian, bionomics, (38) 264
supply of United States, (29) 770. supply, world's, notes, (28) 72. tallow, determination in lard, (30) 110.	embryology, treatise, (34) 362. enemies of, (31) 553.
tailow, determination in lard, (30) 110.	enemies of, (31) 553.
temperatures for roasting, (35) 267. v. buffalo meat, nutritive value, (26) 355.	experimental work with, (38) 659. oyeless drone, (40) 759.
Beehive, Nicolson observatory, (40) 264.	feeding, (37) 467.
Beehives-	fertile-worker, notes, (27) 865; (30) 759. food consumed by, (31) 61.
cement, tests, (29) 653.	food consumed by, (31) 61.
heat insulators, (40) 64.	formic acid in, (32) 507. foulbrood, see Foulbrood.
Association of Ontario, report, (27) 759; (30) 59;	from west coast of South America, (37) 357.
(31) 554; (35) 262; (36) 659; (38) 264.	handhook (27) 759
associations of Ontario, (27) 39.	in Germany, (33) 296. in India, (39) 862.
Beekeeping—	in India, (39) 862.
and honey production, (39) 468, 565. as a school subject, (33) 791.	Indian, domestication, (37) 855. infectious diarrhea of, (37) 360.
experiments, (40) 759.	inheritance in, (29) 860; (33) 159.
extension work in, (38) 164.	insects affecting, (26) 63; (27) 459. inspection, (37) 262.
fairs and exhibitions concerning, (28) 796.	inspection, (37) 262.
for Connecticut, (39) 768.	inspection in Colorado, (27) 756.
for West Virginia, (40) 170. guide, (28) 257.	inspection law in Michigan, (31) 554. Isle of Wight disease—
handbook, (26) 253, 658; (29) 57; (33) 563; (34) 362, 556, 657; (38) 164; (40) 264. in Australasia, (38) 564.	notes, (37) 360; (39) 768, 869.
362, 556, 657; (38) 164; (40) 264.	studies, (27) 458, 761; (29) 761; (40) 65.
in Australasia, (38) 564.	loss from foulbrood and poor management, (28)
Historicals, (69) 305. British Columbia, (26) 151; (30) 856. British Guiana, (40) 358. Canada, (27) 356, 662; (36) 58, 158. Florida, (40) 358. Gerrany, (20) 359.	450. Malnighian tubules of hind intesting (38) 467
Canada, (27) 356, 662; (36) 58, 158.	Malpighian tubules of hind intestine, (38) 467. manipulation of wax scales, (28) 62.
Florida, (40) 358.	mason, notes, (33) 253.
Germany, (30) 759; (32) 759.	mason, treatise, (32) 758.
Germany, (30) 759; (32) 759. Guam, (32) 758; (36) 856. Illinois, (39) 661.	mason, treatise, (32) 758. mating, (38) 6:9. Megachile, pollination of alfalfa by, (31) 831. Melipona, dipterous enomies of, (31) 255.
Illinois, (39) 661. Indiana (27) 459	Melyona dipterous enemies of (21) 255
Indiana, (27) 452. Iowa, (30) 759.	Moka, notes, (27) 865.
Maine, (40) 264.	Moka, notes, (27) 865. mouth parts of, (35) 365. muscular coat of ventriculus, (40) 760.
Montana, (28) 352.	muscular coat of ventriculus, (40) 760.
North Carolina, (36) 555.	native, of Paraguay, (27) 564.
Oregon (32) 352	new species from Africa (20) 566
Maine, (40) 264. Montana, (28) 352. North Carolina, (36) 555. Ontario, (33) 159; (33) 264, 660; (40) 264. Oregon, (32) 352. Pennsylvania, (39) 869. Philippinas, (30) 469; (24) 635; (38) 460.	muscular cost of ventriculus, (44) 790. native, of Paraguay, (27) 564. new species, descriptions, (26) 63. new species from Africa, (39) 566. notes, (27) 662; (29) 761; (30) 554; (34) 796. odors emitted by, (37) 459. of genus Perdita, (39) 566. olfactory sense, (34) 758. on farms in United States, (31) 167. pages on (38) 556.
Pennsylvania, (39) 869. Philippines, (30) 442; (34) 635; (38) 460. Porto Rico, (26) 62; (31) 354; (33) 459. Rhode Island, (27) 857. Tennessee, (29) 468. Texas, (27) 864; (35) 262. Tunis, (26) 253; (27) 458. war time, (39) 566, 869; (40) 358. Wisconsin, (35) 261.	odors emitted by, (37) 459.
Porto Rico, (26) 62; (31) 354; (33) 459.	of genus Perdita, (39) 566.
HIDOS ISIAIO, (27) 557.	on forms in United States (21) 167
Texas, (27) 864: (35) 262.	papers on, (38) 256.
Tunis, (26) 253; (27) 458.	parasites of, (26) 882.
war time, (39) 566, 869; (40) 358.	pollination of—
	alfalfa by, (31) 134; (39) 661; (40) 264, 760. apples by, (31) 554. cotton by, (40) 458.
investigations, (29) 859; (32) 847. Mendelian methods in, (29) 860.	entton by. (40) 458.
monograph. (29) 761.	cranberries by, (26) 858; (30) 143; (31) 741.
notes, (26) 456; (27) 856; (28) 279; (29) 252; (30) 661; (31) 340, 354; (32) 448, 556, 852; (33) 98, 746; (34) 95, 758; (35) 461, 467, 499; (37) 360;	cranberries by, (26) 858; (30) 143; (31) 741. flowers by, (30) 454. plums by, (36) 536.
661; (31) 340, 354; (32) 448, 556, 852; (33) 98,	plums by, (36) 536.
(38) 660, 762.	prunes by, (36) 536. red clover by, (27) 359.
Pearce method, (39) 768.	sunflowers by, (32) 556.
relation to spraying, (35) 662. treatise, (36) 158; (37) 568, 769.	prevention of natural swarming, (33) 159.
treatise, (36) 158; (37) 568, 769.	protozoa affecting, (26) 457; (27) 459.
Beer— composition, (36) 864.	queen— artificial fertilization, (32) 453.
home manufacture, (40) 116.	candy for, (27) 865.
industry in Philippines, (29) 118. methods of analysis, (27) 205.	fertilization, (39) 264.
methods of analysis, (27) 205.	mating, (40) 055. notes, (33) 698.
osmotic pressure and electrical conductivity of, (30) 523.	1101es, (33) 098.
yeast—	rearing, (29) 57; (36) 857; (38) 865; (40) 65, 264 rearing and shipping, (34) 556. relation to fire blight, (35) 662; (30) 59; (38) 164
dried, for horses, (30) 175. dry, analyses and feeding value, (29) 467.	relation to fire blight, (35) 662; (30) 59; (38) 164
dry, analyses and feeding value, (29) 467.	relation to norticulture, (38) 264.
for cows, (32) 871.	removing from hollow trees, (35) 856. rôle in pollination, (38) 747; (40) 638, 655.
and their diseases, notes, (34) 656.	rôle in production of beet seeds, (30) 39.
and their management, handbook, (38) 364.	scent producing organ, (32) 352.
arsenic in, (36) 59.	segmentation of abdomen, (40) 170.
as affected by— arsenical sprays, (32) 244.	sense organs on mouth parts, (37) 360.
weather, (37) 854.	shipment, (40) 760. spider enemies of. (31) 159.
as carriers of—	swarming, (35) 365.
fire blight, (37) 53; (39) 251.	swarming, control, (26) 457.
pathogenic microorganisms, (31) 849. behavior in winter, (31) 254, 553.	transferring, (35) 467; (39) 566. treatise, (34) 362.
brood diseases of, (31) 655; (35) 761.	usefulness in agriculture, (27) 359.
census in Nebraska, (40) 194.	value in coffee pollination, (26) 63.
collection of pollen by, (28) 561; (34) 556. crossing experiments, (36) 258.	value in horticulture, (32) 853.
crossing experiments, (36) 258.	Wild—
digestion in, (30) 856.	of Iowa, (32) 853.

Bees-Continued.	Beet-Continued.
wild-continued.	pulp, dried-continued
pollination of alfalfa by, (26) 633.	digestibility (31) 766
relation of Nosema apis, (27) 761.	feeding value, (39) 783.
treatise, (35) 468.	for cattle, (27) 673; (28) 174.
treatise, (35) 468. wintering, (31) 158, 454; (36) 158, 855; (37) 360; (38) 355; (39) 264, 762; (40) 64, 547, 760.	feeding value, (39) 783. for cattle, (27) 673; (28) 174. notes, (27) 775.
(38) 358; (39) 264, 762; (40) 64, 547, 760.	puip
wintering in Canada, (36) 58. wintering in Ontario, (38) 564.	effect on milk, (28) 674. ensiled v. dried, for oxen, (32) 770.
Beeswax—	ensued v. dried, for oxen, (32) 770.
abnormal, notes, (27) 615.	feeding value, (26) 468; (33) 267; (39) 474.
analyses, (35) 203.	fermenting with lacto-pulp, (27) 170. for calves, (39) 382.
character of samples, (27) 208.	for dairy cattle, (30) 774.
character of samples, (27) 208. methods of analysis, (28) 511.	for livestock, (30) 868.
of Philippines, analyses, (36) 711.	moistened, for cows, (34) 773.
refractive index, (26) 509.	plain and molasses, for cows, (30) 176.
Beet—	residues for farm stock, (33) 267; (35) 373.
aphis—see also Sugar beet root louse.	root—
black, parasites of, (31) 757. black, studies, (31) 754.	gummosis, notes, (40) 844.
remedies, (29) 454.	knot, notes, (39) 52.
army worm, see Laphygma exigua. blight, causes, (27) 544. blight, studies, (34) 349.	rot, notes and treatment, (27) 47. scab, treatment, (33) 818.
blight, causes, (27) 544.	tumors, notes, (29) 153.
blight, studies, (34) 349.	rot, notes, (26) 446, 747.
caterpiliar, striped, studies, (29) 455.	rust, notes, (32) 750.
chips—	scab, studies, (33) 547.
analyses, (26) 266, 267, 363. dried, methods of analysis, (29) 311.	seed-
fermenting nower (31) 413	as affected by light, (29) 332.
fermenting power, (31) 413. storing with lactic acid ferments, (30) 614.	cultivation and harvesting, (26) 42.
curly leaf disease, studies, (38) 360.	determination of moisture content, (27)
curly lenf disease, studies, (38) 360. disease, new, in northern France, (36) 543.	from different size seed balls, germination,
diserses—	(31) 232.
in Sweden, (28) 847.	germination energy of, (29) 332, 538.
m Switzerland, (37) 47.	germination tests, (29) 740; (35) 442; (36)
notes, (30) 47, 148, 647; (31) 747.	339, 837; (37) 829.
studies, (26) 142.	germinative ability, (30) 439.
treatment, (30) 244; (39) 52.	growing in Canada, (34) 635.
dry rot, artificial infection with, (30) 648. extracts, effect on fat content of milk, (26) 673.	growing in Canada, (34) 635. meal, analyses, (26) 714. planting in sectional cylinders, (31) 633.
fly, see Pegomyia hyoscyami.	planting in sectional cylinders, (31) 633.
foliage, dried, acidity, (35) 770.	emoli valua (30) 30
foliage, dried, acidity, (35) 770. gummosis, notes, (33) 742.	rôle of bees in production of, (30) 39. small, value, (30) 39. soaked, germination, (27) 838.
neart rot, notes, (31) 344.	valuation. (38) 135.
juice, clarification, (31) 117.	valuation, (38) 135. silage, composition and digestibility, (31) 467.
juice, examination, (26) 505.	silage, nutritive value, (26) 360.
juice, viscous fermentation, (38) 317.	sugar-
leaf diseases, notes, (28) 649. leaf maggot, notes, (28) 752.	by-products, analyses, (39) 417.
leaf maggot, notes, (28) 752.	detection in cane products, (36) 112
leaf silage, analyses, (26) 770; (29) 307.	sugar industry— in Europe, (28) 336; (30) 614. 1910, (26) 439. 1913, (33) 615.
host plants, (37) 847.	1910 (26) 430
natural enemies, (33) 747.	1913. (33) 615.
notes, (26) 452.	Russia, (26) 693.
relation to curly top, (33) 743; (34) 646; (39)	Russia, (26) 693. United States, (26) 94; (28) 294, 335 (39) 237; (40) 139.
763.	(39) 237; (40) 139.
studies, (38) 360; (39) 464, 763.	notes, (28) 89.
leaves—	sugar manufacture—
analyses, (27) 570.	history, (27) 413. losses in, (26) 118.
dried, analyses, (26) 266, 362. feeding value, (33) 268.	progress in 1912, (30) 510.
fermenting with lacto-pulp, (27) 170.	treatise, (28) 413.
preservation with lactic acid starter, (31)	sugar—
407.	nitrogen content, (30) 529.
meal, analyses, (30) 16.	products, methods of analysis, (27) 205.
meal, manufacture and use, (29) 161; (30) 15.	products, polarization, (27) 813.
mildew, notes, (30) 748.	ratio of ash to organic nonsugars, (26) 711.
molasses, composition and use, (37) 416. nematodes—	raw, raffinose content, (20) 711. v. cane sugar for fermentation purposes,
rearing on agar, (33) 547.	(35) 718.
review of investigations, (28) 446.	sugarhouse waste, potash from, (37) 817; (39
studies, (27) 248.	808.
plant louse—	top silage, analyses, (20) 367.
in northern France, (30) 251.	tops—
life history, (31) 652.	analyses and feeding value, (34) 664.
pulp	and shocked corn, silage from, (28) 873.
analyses, (27) 570, 670; (28) 464; (29) 367, 467; (32) 862.	ensiling with lactic acid bacteria, (32) 567. for dairy cattle, (30) 473.
as affected by water and vinasse, (27) 210.	fresh and dried, analyses, (31) 864.
digestibility, (29) 367.	fresh and dried, analyses, (31) 864. tyrosinase, notes, (35) 414.
	webworm—see also Loxostege sticticalis.
analyses, (26) 72, 165, 362, 568, 665, 768; (27)	Hawaiian, notes, (29) 456.
371, 570, 774, 872; (28) 265, 364, 464, 669;	Hawaiian, studies, (26) 249.
(29) 270, 570, 666, 769; (30) 67, 68, 169, 371,	notes, (28) 158.
565, 868; (31) 73, 168, 366, 467, 668; (32) 169,	southern, studies, (26) 250.
160 062 271 467 566 665 767 (25) 272 274	spotted, studies, (29) 455. yellows, notes, (35) 245.
562, 867; (36) 167, 268, 667, 765; (37) 268, 471.	Beetle
pulp, Gried— analyses, (26) 72, 165, 362, 568, 665, 768; (27) 371, 570, 774, 872; (28) 265, 364, 464, 669; (29) 270, 570, 066, 769; (30) 67, 08, 169, 371, 565, 568; (31) 73, 168, 366, 467, 663; (32) 169, 259, 568, 667, 862; (33) 71, 371, 665; (34) 72, 169, 263, 371, 467, 566, 665, 767; (35) 378, 374, 562, 867, 768; (37) 268, 471, 767; (38) 67, 369, 572, 665; (39) 167, 270, 370, 773; (40) 72, 571, 664; (39) 167, 270, 370, 370, 376; (40) 72, 571, 664; (39) 167, 270, 370, 370, 376, 376, 376, 376, 376, 376, 376, 376	larvae, fumigation, (40) 256.
773; (40) 72, 571, 665.	mites, synopsis, (37) 858.

Destin	Desta Gentlemad
bark-boring, notes, (28) 456.	Beets—Continued. leaf growth and sugar formation, relationship,
cerambycid, injurious to figs, (26) 147.	(30) 638; (31) 834.
coccinellid—	liming experiments, (40) 134.
fumigation, (39) 463. parasitic on citrus mealybug, (26) 149.	methods of analysis, (31) 18.
hydrophilid, new, (40) 265.	methods of variety testing, (26) 436. mother, isolation of flower stalk, (33) 832.
in sugar plantations in Java, (35) 467.	muck and lime for, (40) 131.
injurious—	mulching v. clean culture, (33) 534
in Porto Rico, (31) 753 to babul, (27) 863.	nematodes affecting, (27) 352; (28) 547; (30) 244, nitrogen appropriation by descendants, (29) 832.
oconut palm, (29) 858; (33) 154; (39) 159. cotton in Arizona, (38) 61. fruit and flowers, (36) 654.	nitrogen content, (30) 209.
cotton in Arizona, (38) 61.	phosphatic fertilizers for, (35) 23.
	pollination of sugar beets by field beets, (26) 332.
persimmons, (27) 458. sugar cane, (28) 752; (29) 858. longicorn, in Australia, (36) 360.	nitrogen content, (30) 299. phosphatic fertilizers for, (35) 23. plant lice affecting, (28) 354. pollination of sugar beets by field beets, (26) 332. pollination studies, (36) 522.
Sugar cane, (28) 752; (29) 858.	potassium iei imzers (01, (20) 520.
of Philippines, (36) 257.	preservation by pressure, (32) 416. radioactive fertilizers for, (35) 628.
predaceous-	reducing sugars in. (36) 731.
as insect destroyers, (27) 560.	relative yielding capacity, (40) 625. resistance to cold, (39) 525.
packing for shipment, (26) 350.	root deformation affecting, (27) 544.
respiratory activity in sunlight, (34) 30. treatise, (40) 552.	root systems, (31) 515.
Beets-	Russian, sugar content, (26) 738.
anomalies in, (35) 436; (37) 28. as affected by—	seed production of different sizes, (30) 234 steamed, composition and digestibility, (31) 467.
fertilizers, (29) 332.	steaming and ensuing, (31) 467.
smoke and flue dust, (26) 38.	storage, formation of invert sugar in, (30) 15.
spacing, (31) 633. as source of alcohol, (36) 508.	storage, winter, (38) 442. sugar, see Sugar beets.
assimilation of carbohydrates by, (26) 828.	sugar content—
atavistic, composition, (29) 430.	in relation to weight, (35) 640. of root and character of descendants, (29)
breeding experiments, (35) 442; (39) 542. canning, (39) 165.	832.
canning, (39) 165. catalytic fertilizers for, (30) 627.	sulphur as fertilizer for, (28) 740; (30) 138; (34)
cell size in, (36) 229. characteristics and variations in, (28) 538.	top-dressing with sodium nitrate, (32) 323.
color zones in, (36) 837.	v. silage for milk production, (34) 670.
combined fungus attacks on, (35) 245. composition—	variability of descendants, (29) 832, 833. varieties, (26) 733; (32) 528; (36) 36, 837.
and yield as affected by sodium salts, (29)	wild, selection experiments, (31) 330.
420.	yields, (28) 533.
as affected by fertilizers, (28) 124. of offspring of, (29) 833; (31) 529.	yields in relation to rainfall, (34) 319. Befri, culture, (32) 225.
cooperative experiments, (29) 138.	Don't, outstire, (da) and.
cooperative experiments, (29) 138. crude fat of, (28) 201. culture, (26) 393.	culture, (30) 335; (32) 226. culture experiments, (30) 229, 632.
culture experiments, (29) 331; (34) 228,	culture experiments, (30) 229, 632.
culture experiments, (29) 331; (34) 228. culture for feeding purposes, (32) 220. Cytospora batata attacking, (39) 456.	culture in Philippines, (26) 361. culture under dry farming, (30) 435.
Cytospora batata attacking, (39) 456.	hay, analyses, (26) 362.
determination of marrow content, (26) 117. dry matter content, (26) 436.	hay, ground, analyses, (34)767. varieties, (30) 229, 434.
effect on-	Beggiatoa spp., investigations, (28) 728.
following crop, (32) 223; (40) 624, milk, (34) 671.	Begonia-
soil moisture, (34) 17.	flowers, abnormal, studies, (34) 225.
electrical stimulation, (26) 136; (40) 428.	leaf blight nematode, (36) 52. spot disease, notes, (27) 848.
fermenting power, (31) 413. fertilizer experiments. (26) 43, 522, 817, 819:	Behar hairy caterpillar, notes, (27) 54.
(27) 125, 137; (28) 723, 735; (29) 23, 25, 127,	Behenic acid, notes, (31) 312.
632; (30) 124, 435; (31) 29, 31, 38, 820; (33)	Belah as lignum vitæ substitute, (40) 640. Belascaris marginata, studies, (40) 186.
fertilizer evperiments, (26) 43, 522, 817, 819; (27) 123, 137; (28) 723, 735; (29) 23, 25, 127, 632; (30) 124, 435; (31) 29, 31, 36, 820; (33) 219; (34) 431, 517, 582, 622, 723; (33) 126, 218, 325, 425, 427, 519; (36) 132, 217; (38) 218, 820; (20) 120	Belgian League of Family Education, (40) 639.
(39) 130.	Belladonna—
field, see Mangels. fodder, analyses, (26) 267.	alkaloids in, distribution, (31) 201. alkaloids in, selection for, (34) 237.
fodder, analyses, (26) 267. following alfalfa, (39) 130.	alkaloids in, variation, (30) 44.
food Value, (36) 863.	as affected by composition of soils, (34) 18.
for dairy cattle, (34) 873. fresh and ensiled, feeding value, (30) 371.	breeding experiments, (30) 631 breeding for atropin, (37) 44.
from same seed ball, characteristics, (31) 633.	culture, (36) 538.
fungicidal treatment, (29) 326. genetic studies, (27) 33.	improvement by selection, (32) 143; (35) 449. leaf miner, see Pogomyia hyosoyami.
germination as affected by fertilizers, (29) 327.	root disease, (40) 844.
green manuring experiments, (39) 31. growth as affected by—	seed, germination, (32) 626; (37) 545.
fertilizer salts, (29) 329.	Belle Fourche- project in 1917, (40) 391.
fertilizer salts, (29) 329. manganese salts, (32) 725.	reservoir as a bird reservation, (37) 353.
hail injury to. (35) 734.	Bellwort, seed formation in, (31) 225.
sulphur, (29) 215. hail injury to, (35) 734. in silage, (33) 468.	Belostoma (=Zaitha) flumineum, death feigning, (27) 457.
inheritance of— characters in, (29) 832.	(21) 407. Belts—
form and color in, (29) 332.	and milleys, selection (31) 500
shortened development, (39) 734.	pulling power, (29) 389.
inoculation, (29) 328. insects affecting, (26) 454; (31) 58; (32) 848.	pulling power, (29) 389. transmitting power, (28) 187; (30) 190. use and care, (30) 89, 498. Bembex spp., blonomics, (35) 468. Bembicini, revision, (40) 284.
invertase in. (34) 524.	Bembex spp., bionomics, (35) 468.
irrigation experiments, (32) 186; (33) 827.	Bembicini, revision, (40) 284.

Bengal—	Beriberi—Continued.
beans, destruction of scale insects by, (26) 534.	relation to—continued.
grass, culture, (37) 136.	experimental polyneuritis, (33) 167.
Veterinary Conege, report, (20) 373, (31) 177;	glands of internal secretion, (33) 365.
(32) 678. Benni seed, culture experiments, (32) 227.	vice diet (27) 461 · (28) 360 · (32) 67
Bent grasses, agricultural species, (39) 532.	oryzanin, (28) 168. rice diet, (27) 461; (28) 360; (32) 67. vitamin, (28) 261.
Benteak, notes, (29) 443.	white flour. (27) 868.
Benzaldehyde-	white flour, (27) 868. review of investigations, (34) 462; (36) 161, 363.
determination, (39) 807.	similarity to zeism, (31) 464.
determination in liquors and cordials, (26) 99.	studies, (26) 155, 871; (29) 664; (30) 63, 687; (31)
manufacture, (36) 300.	similarity to zeism, (31) 464. studies, (26) 155, 871; (29) 664; (30) 63, 687; (31) 463; (35) 666, 861; (40) 273, 363, 565, 662, 868.
Benzene-	theory of, (29) 169. treatise, (32) 858; (33) 365.
derivatives, insecticidal value, (37) 559.	treatise, (32) 858; (33) 365.
effect on—	treatment, (38) 782.
production of antibodies, (35) 781. soil microorganisms, (31) 27.	treatment with constituents of rice polishings,
soils, (37) 519.	(34) 367. Bermuda grass—
sterilization of soils by, (32) 816.	alkali tolerance, (29) 330.
Benzin—	as forage crop, (31) 829.
locomotive, tests, (30) 388.	as pasture crop, (37) 533.
petroleum, as vermifuge, (38) 884.	breeding experiments, (40) 624
petroleum, detection in ethyl alcohol, (29) 312.	culture, (29) 830.
v. turpentine for thinning paint, (33) 91.	culture and use, (37) 440.
Benzoic acid—	culture experiments, (34) 227. culture in cotton belt, (32) 534.
aerobic fermentation, (30) 28.	culture in Cotton Delt, (32) 534.
and gualacol solution, antiseptic value, (39) 885.	culture in Hawaii, (32) 730.
as fond preservative (30) 364	aradioation (20) 320: (20) 849
an guardon southon, amisepas varie, (39) 503. as addimetric standard, (28) 206; (31) 501. as food preservative, (30) 364. detection in cheese, (32) 313. detection in coffee, (27) 613. detection in (52) 508.	distribution, (26) 332. eradication, (29) 330; (39) 842. for cut-over lands, (39) 231.
detection in coffee, (27) 613.	giant, notes, (37) 29.
	have chloroform as treat of (21) 71
detection in foods, (27) 715; (28) 411. detection in milk, (26) 610; (28) 809.	hay, composition, (27) 668. hay, digestibility, (27) 669; (31) 863; (37) 168. hay, grades of, (34) 528.
detection in milk, (26) 610; (28) 809.	hay, digestibility, (27) 669; (31) 863; (37) 168.
determination, (26) 609; (28) 313; (39) 807.	hay, grades of, (34) 528.
determination in—	nay, mineral constituents, digestibility, (40) 769.
animal foodstuffs, (35) 112.	notes, (26) 361.
chopped meats, (33) 15.	pasture experiments, (40) 32.
prunes and cramberries, (33) 15.	root system, (36) 438.
effect on— bread fermentation, (27) 268.	seed, germination tests, (28) 534.
hitter and margarin (26) 778	Seed, sulphuric acid treatment, (40) 234.
butter and margarin, (26) 778. composition of urine, (31) 761.	Berocera madagascariensis, notes, (29) 855. Berry—
cyanogen formation in plants, (28) 527.	anthracnose, description, (31) 449.
hemolytic reaction, (36) 878.	baskets and containers, standards for, (35) 598.
meat, (29) 266.	diseases and pests in Baden, (31) 539.
metabolism of pigs, (30) 269.	diseases, notes, (27) 848; (30) 240, 746; (31) 841;
the animal organism, (32) 164.	(33) 444.
ın soils, (80) 610.	pigments, notes, (31) 728.
isolation from soil, (37) 710. manufacture, (36) 300.	wine, diminution of acidity in, (29) 117.
manuacure, (30) 300.	Berries, see Fruit, small, and Raspberry, Straw
methods of analysis, (33) 414. physiological effect, (27) 365.	berry, etc.
principle (30) 803	Berseem— as forage plant, (36) 167.
preparation, (39) 863. toxicity, (28) 661.	culture in
Benzol—	Egypt, (38) 338. India, (39) 230, 238. Italy, (39) 238. Rhodesia, (27) 32, 637. description and use, (30) 733.
derivatives, bactericidal action of, (31) 279.	India. (39) 230, 238.
detection in ethyl alcohol, (29) 312.	Italy. (39) 238.
injections, effect on formation of antibodies,	Rhodesia, (27) 32, 637.
(35) 679.	description and use, (30) 733.
Benzyl alcohol-	HOU'S. (29) 140.
antiseptic value, (40) 884.	varieties, (30) 434; (37) 233. yields in Australia, (38) 133.
utilization by plants, (36) 329. Berberidaceue, oils and alkaloids of, (36) 628.	Porneitie benneits n.m. studies (27) 91
Berecyntus n.spp., descriptions, (35) 761.	Besnoitia besnoiti n.g., studies, (37) 81. Bessey, C. E., biographical sketch, (32) 599.
Beriberi—	Betain—
among English soldiers, eradication, (35) 369.	as affected by microorganisms, (33) 312.
among Philippine scouts, (33) 261.	assimilation by plants, (26) 32.
among Philippine scouts, disappearance, (27)	effect on inversion of sucrose, (28) 613.
66.	extraction from molasses refuse, (26) 612; (28)
and cottonseed meal poisoning in pigs, (34) 474.	413.
cause and prevention, (29) 463. dietary factors in, (35) 167.	formation in animals nad plants, (30) 803.
dietary factors in, (35) 167.	in grape leaves, (27) 731.
disease resembling, in rice meal fed pigs, (33)	hops, (32) 502.
775. etiology, (26) 264; (28) 168, 185, 569, 763, 764; (30)	malt sprouts, (26) 24.
285; (31) 857.	rice polishings, (33) 167.
experimental, studies, (32) 563.	sugar boets, (28) 810. tobacco leaves, (28) 109. isolation from oat farina, (31) 309.
in Brazil, (34) 462.	isolation from oat faring. (31) 309.
infantile—	localization in plants, (31) 108.
in Manila, (29) 270.	localization in plants, (31) 108. studies, (26) 713; (27) 203, 204; (28) 312.
relation to milk, (30) 861.	Betel-nut palm-
treatment, (34) 662. notes, (33) 579; (34) 602; (40) 565.	Betel-nut palm— "band" disease, (37) 457. culture in North Kanara, (34) 239.
notes, (33) 579; (34) 662; (40) 565.	culture in North Kanara, (34) 239.
prevention, (28) 761; (31) 555, 762, 858; (32) 163;	diseases, notes, (36) 348, 449; (38) 647. plague, notes, (29) 446.
(35) 472,	Patel wine leaves and tracking (01) 100
prevention and treatment, (28) 764.	Betel-vine leaves, analyses and bleaching, (31) 108;
relation to— bacterial fermentation of rice, (29) 269.	(36) 110. Betic acid from Douglas fir resin, (30) 10.
diet, (26) 264; (29) 180, 460; (30) 367, 764; (31)	Betonica officinalis, betains in, (27) 204; (28) 312; (31)
761; (36) 264; (38) 268.	***

Betonicin—	Bibliography of—Continued.
notes, (28) 312. properties, (31) 309.	agriculture, (27) 299; (28) 488, 492; (29) 593. agriculture—
synthesis, (31) 310.	and rural life, (31) 692. elementary, (33) 95.
Better Farming Association of North Dakota, report, (28) 337.	in Abyssinia (30) 434
Betula—	in Abyssinia, (30) 434. Argentina, (27) 193; (32) 364. public schools, (26) 191, 593. United States, (32) 891.
in Minnesota, (39) 30.	public schools, (26) 191, 893.
lenta, twig canker affecting, (30) 543 Beverages—	Secondary (39) 692
adulteration, detection, (26) 312; (27) 207.	secondary, (39) 692. agronomy, (28) 638. air, bacterial analysis, (33) 611.
adulteration, detection, (26) 312; (27) 207. alcoholic, examination, (26) 69. analyses, (29) 362; (30) 165, 258; (32) 64, 456; (34) 67, 702; (39) 669.	air, bacterial analysis, (33) 611.
analyses, (29) 362; (30) 165, 258; (32) 64, 456; (34)	albumoses in body tissues and blood, (38) 366. alder flea-beetle, (39) 65.
and dishes of the old South, (31) 557.	Aleochara bilineata, (33) 862.
and vinegars, homemade, (40) 116.	alfalfa, (26) 632; (28) 737.
bottled, sugar substitutes in, (40) 68. carbonated, analyses, (28) 862.	alfalfa— crown gall, (40) 844.
carbonated, examination, (27) 665.	hopper, (32) 652.
carbonated, examination, (27) 665. detection of saccharin in, (26) 506. detection of saponin in, (27) 505.	hopper, (32) 652. seed, (32) 38.
examination, (26) 69, 157, 355; (27) 64; (28) 566,	algae, (28) 822. alkali salts, effect on crops, (34) 126.
862; (30) 666; (31) 67, 166, 358, 462, 557, 658	almonds, culture, (39) 846.
(36) 262.	amoebae, (27) 477.
handbook, (28) 163. infection by pathogenic bacteria, (35) 264.	ammonium phosphate, fertilizing value, (39) 624; (40) 221.
inspection in—	amphibians of Pennsylvania, (31) 648.
Alabama, (33) 66.	Amphistomum subtriquetrum, (33) 659.
Argentina, (26) 762. California, (30) 558.	anaphylaxis, (26) 481; (32) 79; (38) 181.
	anaplasmosis, (33) 281. anatomy, (32) 860.
Florida,	anatomy of vertebrates, (28) 668. anatomy, pathologic, (27) 576; (31) 277. anemia, pernicious, in horses, (33) 681; (35) 80.
North Dekote (28) 250 457	anatomy, pathologic, (27) 576; (31) 277.
South Dakota, (28) 661; (33) 67.	aneurism, verminous, in horses, (37) 82.
law in Wyoming, (27) 767.	animal—
Florida, (52) 04. Florida, (53) 765. France, (35) 765. North Dakota, (28) 259, 457. South Dakota, (28) 661; (33) 67. law in Wyoming, (27) 767. methods of analysis, (27) 499; (29) 412, 800; (32) 109; (33) 258.	breeding, (28) 492, 583, 667; (32) 860; (34)
	370. disonses (36) 479
nonalcoholic, hygienic notes, (32) 356.	diseases, (36) 478. ecology, (30) 454; (32) 549. heat and bio-energetics, (26) 265.
preparation, (32) 253. registration in North Dakota, (27) 165; (31) 657.	heat and bio-energetics, (26) 265.
temperature at ingestion, (31) 462.	hybrids, (26) 163. parasites affecting livestock, (33) 279.
nonalcoholic caroonated, examination, (34) 106. nonalcoholic, hygienic notes, (32) 356. preparation, (32) 253. registration in North Dakota, (27) 165; (31) 657. temperature at ingestion, (31) 462. treatise, (28) 565; (32) 162; (36) 63. turbidity, (36) 808. Bhindi hollworms attacking (38) 54	parasites of Colorado, (26) 865.
Bhindi, bollworms attacking, (38) 54.	parasites of man, (36) 152, 354.
Bhringi, description and culture, (40) 231.	parasites of Colorado, (26) 865. parasites of man, (36) 152, 854. production, (31) 467; (32) 566; (36) 468. regeneration, (28) 68.
Biblio-	animals—
abbreviatus, notes, (36) 552. albipennis, notes, (33) 253.	domestic, of ancient Egypt, (27) 371.
hortulanus, biology and remedies, (32) 248.	feeding under germ-free conditions. (34) 564.
johannis, larval and pupal stages, (39) 154.	wanderings of, (31) 57. Anoplocephalidae, (33) 863.
nervosus, notes, (32) 651. Bibliographical mediums, scientific, as affected by	Anteoninge, (40) 265
the war, (40) 304.	anthelmintics, (28) 80. anthocyanin, (33) 627; (37) 633. anthrax, (34) 781.
Bibliography of—	anthocyanin, (33) 627; (37) 633.
Abderhalden reaction, (36) 381.	anthrax serum. (40) 84.
Abderhalden's serodisgnosis, (32) 179. abnormal bone growth in absence of functioning testicles, (26) 471. abortion, (27) 581; (39) 83, 681.	anthrax serum, (40) 84. anthrax spores, disinfection, (31) 677.
ing testicles, (26) 471.	antibodies, late in precipitin reaction, (34) 878.
abortion, (27) 581; (39) 83, 681. abortion, epizootic, in mares, (30) 586.	ants, (40) 547. ants of Great Britain, (35) 262.
abortion in cattle, (29) 779; (31) 286; (82) 581;	aphids, (28) 252. aphids, alternate hosts, (39) 464.
(34) 880; (38) 588.	aphies, alternate flosts, (39) 464. aphies, woolly, (28) 252; (32) 849; (34) 651.
Abutilon moth, (30) 157. Acrididae of Minnesota, (31) 650.	apple—
African Coast fever, (28) 478.	bitter pit, (31) 244; (37) 456. maggot, (29) 561; (32) 155
Agchylostoma duodenale, (32) 759.	maggot, (29) 561; (32) 155 rust, (34) 54.
agricultural— and industrial education, (36) 291.	scab, (30) 848; (31) 645.
associations in Posen and West Prussia,	tree borer, roundheaded, (39) 684.
(34) 893.	apples—
college organization and administration, (35) 297.	abscission of flowers and fruits, (38) 745. cross pollination, (39) 645.
cooperation, (29) 90; (33) 91.	culture, (30) 739.
agricultural cooperation—	description of, (32) 744.
and marketing, (28) 593. in United States, (38) 595.	thinning experiments, (37) 449. aquiferous vessels in plants, (35) 224.
in various countries, (31) 389.	Argentine ant, (29) 563.
agricultural—	Argentine ant, (29) 563. army worm, (33) 58; (34) 455. army worm, fall, (30) 656.
credit, (32) 389, 489; (33) 787. credit and cooperation. (30) 296; (31) 490.	army worm, fall, (30) 656. arsenicals for protection of plants, (30) 236.
credit in Europe, (31) 389.	arterioscierosis in animis, (26) 375.
development of Minnesota, (33) 786.	Ascochyta, (28) 845. Ascochyta clematidina, (33) 650.
credit, (32) 589, 489; (33) 787. credit and cooperation, (30) 296; (31) 490. credit in Europe, (31) 389. development of Minnesots, (33) 786. education in Russia, (37) 793. engineering, (35) 94; (36) 400. labor, (31) 593. organizations, (30) 593.	Ascochyta ciematidina, (33) 650. asexual reproduction in monocotyls, (30) 532.
labor, (31) 593.	ash content of growing pigs, (32) 72.
organizations, (30) 598.	asparagus, (31) 739. asparagus beetle, 12-spotted, (29) 556. asparagus miner. (20) 558.
statistics, (40) 594. statistics, international, (33) 295.	expending Deetle, 12-spotted, (29) 556.

Bibliography of Continued	1.17
Bibliography of—Continued. associative action of bacteria with lactic	bliography of—Continued. buffalo gnats, (34) 756. Buprestus, (40) 266. butter, moldiness in, (32) 676. butter, rancidity, (39) 486. cabbate webworm in parted (27) 150
organisms, (29) 9.	Dunaio guats, (34) 756.
auchmeromyids, (30) 458.	buston moldings in (20) 270
Audubon, the naturalist, (39) 654.	butter remaidity (20) 496
avian cestodes, (26) 561.	cabbage webworm, imported, (27) 159.
Azotobacter chroococcum, (28) 524; (33) 329.	canno canker (20) 240
Azotobacter, inoculation of soil with, (40) 619.	cacao canker, (29) 249. cacao culture, (35) 145.
Bacillus cyanogenes, (32) 776.	cacao discases, (27) 751; (31) 347. cacti, (26) 530; (33) 134. cactus diseases, (34) 543. cactus insects, (28) 452.
bacillus of Preisz-Nocard, (34) 186.	cacti. (26) 530: (33) 134
Bacillus—	cactus diseases. (34) 543.
radicicola of field peas, (33) 330.	cactus insects, (28) 452
typhi gallinarum alcalifaciens, (30) 385.	caffein, (29) 265. caffein elimination, (27) 465. caffein toxicity, (27) 166.
typhosus in milk, (26) 777.	caffein elimination, (27) 465.
bacteria, (27) 780.	caffein toxicity, (27) 166.
bacteria, freezing, (40) 181. bacteria in intestinal tract of calves, (35) 282.	calcium—
bacteria in intestinal tract of calves, (35) 282.	and related elements in plants, (30) 523.
bacterial flora of large intestine of horses, (29)	content of cucurbits, (39) 747.
466.	cvanamid experiments. (27) 128.
bacteriology, (29) 626; (32) 578; (37) 311; (39)	Calliephialtes sp., (30) 361. Calosoma spp., (38) 61.
190.	Calosoma spp., (38) 61.
bacteriology—	canning and preserving, (38) 114.
agricultural, (28) 34, 524.	carbohydrates of mangold leaves, (28) 129. carbon nutrition of plants, (26) 822; (29) 324;
in dairy industry, (33) 277.	carbon nutrition of plants, (26) 822; (29) 324;
of eggs, (27) 73. Bacterium pruni, (34) 248. bagasse as a fuel, (27) 717.	(31) 426.
hagassa as a fuel. (27) 717	carotin-xanthophyll group in Chrysomelidae,
bakery inspection, (28) 566.	(34) 865,
bananas, changes in during rinening, (32) 455.	castration in rabbits, (34) 865.
bananas, changes in during ripening, (32) 455. bark beetles, Canadian, (40) 553.	caterpillar bacterial diseases, (32) 554.
barley, (32) 40.	
barley late blight, (29) 750.	Aberdeen-Angus, (33) 72. ancestry, (27) 172; (28) 467.
bases, natural, (32) 201.	breeding in Mecklenburg, (26) 273.
bats of California, (40) 853.	feeding, (37) 172.
bean diseases, (39) 455,	of Africa and Polynesia, (26) 472.
bark beetles, Canadian, (40) 553. barley late blight, (29) 750. bases, natural, (32) 201. bats of California, (40) 583. bean diseases, (39) 455. bean thrips, (28) 250. beans, Asiatic, (31) 740. bee diseases, Lise of Wight, (27) 458; (29) 762. bee diseases, (27) 60; (28) 562. beef industry in Argentina, (28) 365. bees, (28) 562; (34) 362. bees, embryology, (34) 362. bees, in relation to fire blight, (38) 164. beet root gummosis, (40) 844.	of eastern Europe, (28) 467.
beans, Asiatic, (31) 740.	red, of Denmark, (26) 667.
bee disease, Isle of Wight, (27) 458; (29) 762.	Cecidomyidae, British, (39) 866.
bee diseases, (27) 60; (28) 562.	Cecidomyidae, British, (39) 866. cedar rust, (28) 244.
beef industry in Argentina, (28) 365.	celery bacterial rot, (31) 542.
bees, (28) 562; (34) 362.	celery bacterial rot, (31) 542. celery heart rot, (34) 244.
bees, embryology, (34) 362.	cellulose decomposition in soils, (31) 25.
bees, in relation to are blight, (38) 164.	cellulose-destroying bacteria and molds, (28)
beet root gummosis, (40) 844.	628.
beet root gummosis, (40) 844. beet sugar industry, (28) 294. beet webworm, (28) 250.	cereal diseases, (30) 648, 847; (36) 542. cereal mildew, (40) 844.
best webwerm, (20) 200.	cereal mildew, (40) 844.
beet webworm, spotted, (29) 456. benzoic acid, (27) 366. benzoic acid and its sodium salt in animal nutri-	cereal rusts, (31) 147.
bongoic soid and its codium selt in animal nutri-	cereals—
tion, (32) 165. beriberi, (33) 365; (34) 462; (40) 566. blochemistry, (27) 821; (28) 807. blology, (28) 470; (28) 393, 765; (32) 166; (33) 167; (36) 366, 468. birds, (32) 447, 898; (33) 451, 553.	ground, in the diet, (29) 564. history of, (31) 131. winterkilling, (39) 441.
beriberi (32) 365: (34) 462: (40) 566	winterbilling (30) 441
biochemistry, (27) 821; (28) 607.	cerebro-spinal meningitis in horses. (26) 787.
biology, (26) 470; (28) 393, 765; (32) 166; (33) 167;	cerebro-spinal meningitis in horses, (26) 787. chalcidids injurious to forest seeds, (28) 657.
(36) 366, 468.	chavote, (30) 532,
birds, (32) 447, 898; (33) 451, 553.	chayote, (30) 532. Cheddar cheese, (30) 878.
DILUS	cheese, (26) 479.
as carriers of fungus diseases, (32) 56.	• • • • • • • • • • • • • • • • • • • •
British, feeding habits, (30) 249.	flavor, (31) 107, 477.
game, of California, (40) 646.	making, (40) 283.
of America, (38) 652. Colorado, (28) 855.	ripening, (29) 59; (31) 477.
Colorado, (26) 855.	SOIL, (34) 184.
Connecticut, (30) 454. Isle of Pines, (36) 653.	making, (40) 283. ripening, (29) 59; (31) 477. soft, (34) 184. chemistry, (27) 14; (29) 501; (33) 201; (34) 407 (36) 600; (37) 311, 501.
1816 OI PILIOS, (30) 000.	(30) 000; (37) 311, 501.
Isle of Fines, (as) 605. Michigan, (27) 550. parasites of, (39) 556. black scale, (28) 556. blood cells, (32) 874. blood of dynesfic animals. (38) 481.	chemistry— agricultural, (33) 801.
black scale (26) 556	nhydiel of vitel phanomene (30) 8
blood calle (22) 274	physical, of vital phenomena, (39) 8, technical, (32) 308.
blood of domestic animals, (38) 481.	Chermes. (34) 551.
blood of insects, (28) 853. blood sugar, determination, (40) 310. blueberries, (38) 43.	Chermes, (34) 551. Chermesidae, (40) 262.
blood sugar, determination, (40) 310.	cherries, (33) 440.
blueberries, (38) 43.	cherry gummosis. (29) 155.
	cherry gummosis, (29) 155. cherry leaf beetle, (35) 261.
Bordeaux mixture, (28) 537; (36) 549. botany, (26) 597; (27) 31; (29) 327, 626; (30) 223; (37) 630.	chestnut
botany, (26) 597; (27) 31; (29) 327, 626; (30) 223;	bark disease, (29) 553; (31) 751; (33) 448. blight, (31) 246; (32) 347; (35) 154.
(37) 630.	blight, (31) 246; (32) 347; (35) 154.
Botrytis cinerea on peony. (40) 844.	diseases, (27) 753. "chestnuts" of horses, (26) 672; (28) 772.
Botrytis, parasitic on pepper and lettuce, (28)	"chestnuts" of horses, (26) 672; (28) 772.
848.	cnicken cestode, (35) 683.
brachymelia in domestic animals, (26) 472.	chicory, (31) 336. chinch-bug fungus diseases, (26) 455. Chinch-bug fungus diseases, (26) 455.
bread making, (31) 657. breeding experiments with vegetables, (35) 341.	Chicagona (Manding) plants (20) 455.
preeding experiments with vegetables, (35) 341.	Chironomus (Tendipes) plumosus, (32) 554 Chlamydozoon bombycis, (26) 758.
British ornithology, (39) 555. broad-bean weevil, (27) 564.	chlorid of lime in conjustion (20) 519
Drugg-Dean Weevil, (21) 004.	chlorophyll (30) 311
broad-winged hawk, (26) 245. brown rot of fruits, (30) 352; (31) 749, 843.	chlorid of lime in sanitation, (29) 512. chlorophyll, (30) 311. chlorophyll formation in relation to light, (33)
brown-tail moth, fungus parasites, (31) 251.	29.
bud moth lesser (31) 252 758	chlorosis of plants, (28) 153.
bud moth, lesser, (31) 252, 756. bud variation in relation to fruit markings, (29)	chlorosis of plants, (28) 153. chondriosomes, (29) 217; (33) 631; (35) 635. chromosome theory of heredity, (35) 272.
147.	chromosome theory of heredity, (35) 272.
Buddlele and Cytisus, (40) 844.	chromosomes in wheat, (27) 636.

Bibliography of-Continued.	Bibliography of-Continued.
chrysanthemum leaf miner, (32) 452.	cranberry rootworm, (33) 457.
Chrysopidae of Japan, (30) 754.	cream bacteria, relation to keeping quality of
cigarette beetle, (40) 759. cinchona mopo seed bed disease, (34) 749.	butter, (39) 78.
citrus—	creosoting of hardwoods, (38) 893. Cronartium pyrnorme, (33) 449.
fruits, (26) 441; (28) 742; (30) 444; (33) 441.	crop centers of United States, (39) 735.
malnutrition diseases, (31) 237.	crop yield tests, experimental error, (39) 829. crossing-over, (35) 867.
scab, (27) 653. white fly, (32) 349.	Cryptorhynchus lapathi, (37) 465.
climate—	culinary literature, (31) 857.
changes in, (30) 815.	Curcuitonidae of North America, (27) 259.
of California (31) 213.	currents red (37) 834
of Michigan, (39) 320.	currant fruit fly, (38) 466. currants, red, (37) 834. Cuscuta, (35) 460.
climatology, (38) 317.	cuttings, stimulation of roof growth, (39) 827.
climax forests, (28) 842.	cyanogenesis under digestive conditions, (30) 682.
changes in, (30) 815. in relation to tropical agriculture, (30) 317. of California, (31) 213. of Michigan, (38) 820. climatology, (38) 317. climax forests, (28) 842. club root, (31) 642; (33) 52. Coccaceae, (34) 477. Coccidae, (38) 655. Coccidae of Porto Rico, (37) 158.	Cyanophyceae. (27) 780.
Coccidae, (36) 655.	Cylindrosporium on stone fruits, (31) 544.
Coccidae of Porto Rico, (37) 158. coccinellid larvae, (36) 658.	Cynipidae, gall making, of North America, (33) 857.
cocoa and chocolate, (26) 662.	cypresses, (33) 49.
coconut	cypresses, (33) 49. Cyrtidae, (40) 757.
bud rot, (32) 150. insects, (31) 58. palm diseases, (26) 60.	Cysticercus bovis as affected by freezing. (32) 880.
palm diseases, (26) 60.	Cysticercus ovis. (29) 888.
palms, (27) 146.	Cytisus and Buddleis, (40) 844
pests, (34) 740.	daffodils. (34) 741.
codling moth, (26) 757.	dairying, (32) 173, 566; (33) 578; (36) 468.
palm (196a98c, (20) 80. palms, (27) 146. pests, (34) 740. products, (39) 108. codling moth, (26) 757. coffee, (28) 438. coffee diseases, (35) 363.	daffodils. (34) 741. dairy husbandry. (28) 492. dairying. (32) 173, 566; (33) 578; (36) 468. dairying in Philippines. (39) 785.
coffee "brusca," (26) 450.	danying in western sideria. (20) 880.
conee diseases, (35) 450. coffee diseases, (35) 353. coffee industry in A byssinia, (37) 835. cold resistance in plants, (30) 333. colloidal chemistry, (38) 820. colloidal chemistry, (38) 109.	damping-off of coniferous seedlings, (31) 647. damsel flies, (39) 763.
cold resistance in plants, (30) 333.	death feigning in insects, (27) 458.
colloidal chemistry, (38) 820.	dendrology, (28) 240; (27) 846. diabetes, (32) 180.
confordat solutions, (30) 105.	dispetes, (32) 180.
colloids in biology and medicine, (27) 881. colon bacilli, survival of pasteurization by, (32)	diamino acids in the diet, (38) 569. Diapheromera femorata, (26) 148.
775.	diet, (27) 365.
color in relation to chemical constitution, (40)	diet deficiency diseases, (38) 569.
505. color inheritance in—	diet-essential substances, (39) 370. diet of children, (37) 671.
cattle and horses, (31) 266.	diet of Swiss workingmen, (34) 661.
horses, (30) 571.	dietary studies (30) 364,
mammals, (32) 466. plants, (27) 733.	dietetics, (29) 163. digitalis in pneumonia. (37) 375.
color of shank in fowls, (32) 263.	digitalis in pneumonia. (37) 375. Diplodia. (34) 242.
coloring matter of salted meats, (32) 455.	dipping, (34) 186.
community improvement clubs, (31) 690. conifer rusts, (40) 645.	diptera larvae, entomophagous, (30) 458. diptera, parasitic, (36) 359.
conservation of food supplies, (31) 535.	dipterous larvae, (26) 559.
cookery books, (29) 567.	disease—
cooking during early history of Rome, (33) 462. cooperative organizations, (32) 792.	resistance in apples, (29) 41. transmission, (30) 249, 553.
corn, (31) 331. corn billbug, southern, (37) 666. corn characters, (28) 534.	transmission by blood-sucking insects, (28)
corn billbug, southern, (37) 666.	756.
corn characters, (28) 534. corn culture, (34) 337. corn leaf beetic, southern, (33) 359. corn leaf blotch miner, (31) 159.	transmission by insects, (26) 150.
corn leaf beetle, southern, (33) 359.	diseases, (29) 652. diseases, insect borne, in Pan America. (34) 754.
corn leaf blotch miner, (31) 159.	ang distember, (28) (83).
corn, seed, from different parts of ear, (33) 636. cornstalk borer, lesser, (37) 852.	Dolichos lablab, (34) 437. dourine, (28) 478; (30) 85. drainage, (29) 785.
correlation—	drainage, (29) 785.
as a measure of relationships, (37) 621.	drainage of swamp lands, (35) 286.
in grains, (37) 141. in cats, (30) 38. of parts in cattle, (28) 68.	drought resistance in Hopi corn, (30) 436. drug action under pathological conditions, (26)
of parts in cattle, (28) 68.	71.
Corticium javanicum, (27) 746.	drug plants, (33) 242, 842; (34) 236.
Coryneum spp. on trees and shrubs, (37) 250. cost of living and wages, (31) 360.	drugs, dosage of, (31) 80.
cotton—	duodenal regurgitation, (34) 863. dust preventives, (30) 188. dwarf plants, (34) 336.
boll rots, (28) 648.	dwarf plants, (34) 336.
bollworm, pink, (38) 765; (39) 764; (40) 857.	early maturity in domestic animals, (26) 472. echinococcus disease, (27) 883.
culture in Egypt, (35) 137. diseases in West Indies, (33) 648.	ecological investigations, (31) 537.
Egyptian, (38) 533.	ecology of a cat-tail marsh, (32) 151.
insects in Africa, (31) 58. cottonseed products, toxicity, (35) 383; (39) 886.	economic associations of rural Poland, (31) 690 edaphism, (28) 718; (33) 322.
country—	education for the home, (33) 397.
churches, (29) 190.	educational system of Denmark, (35) 695.
life, (33) 593; (34) 635. life and rural schools, (28) 692.	egg— albumin. digestibility, (35) 862.
life, farm, and small town (36) 93	bacteriology, (35) 174.
cow testing associations, (29) 375. cowpea weavil, (28) 257. cows, form and function in, (30) 271. cranberries, (31) 742.	production, (32) 870; (34) 470.
cows. form and function in (30) 271	production, seeding for, (38) 577.
cranberries, (31) 742.	eggs, bacterial content and keeping quality, (32), 173.
cranberries, spoilage, (39) 749.	Eimeria spp. (30) 759

Dilliam phy of Continued	Dibliamonhouse Constituted
Bibliography of—Continued. electrical conductivity in plants, (33) 626.	Bibliography of—Continued.
elm aphids, (30) 854.	food poisoning, (30) 167.
elm bark beetle, (27) 658.	food-poisoning outbreaks, Gaertner-caused, (39) 488.
elm leaf beetle, (26) 147.	food requirements of men, (28) 260.
Emmental cheese, eve formation, (37) 876.	food supply of—
energy transformations in germinating seed, (36) 525.	Germany, (36) 263.
(36) 525.	Great Britain, (36) 263.
enteritis, paratuberculous, in cattle, (30), 583.	large cities, (27) 363.
entomological writings of E. T. Cresson, (36)	Germany, (36) 263. Great Britain, (36) 263. large cities, (27) 363. food utilization, (39) 364. foods, (26) 355; (27) 206; (29) 360; (33) 714. foods, dehydrated, (40) 864.
entomology, (28) 752; (30) 52, 534, 851; (31) 349.	foods dehydreted (40) 884
entomology	forest—
American economic, (38) 256.	area of New England, (39) 144.
applied, (32) 448.	botany of India. (33) 855.
Canadian, (26) 59; (27) 551; (31) 648; (33) 553; (35) 852; (38) 256.	charts or calendars, (33) 844.
medical, (32) 846.	90010gy, (35) 841.
North American. (26) 147.	ecology, (35) 841. legislation in America, (35) 42. planting, (32) 542.
Entomophthoreae, parasitism, (32) 245. Entorrhiza, (32) 749.	regulation, (32) 47.
Entorrhiza, (32) 749.	regulation, (32) 47. soils, (33) 720.
entozoa of Queensland, (39) 556.	taration, (39) 247. forestry, (26) 382, 442, 542; (27) 42, 147, 648; (29) 345; (30) 238, 844; (31) 239; (33) 541. forestry education, (36) 97.
enzyms as affected by mold fungi, (31) 730. enzyms in algae, (35) 25.	10 restry, (20) 382, 442, 542; (27) 42, 147, 548; (29) 345: (20) 238, 844: (21) 220: (22) 541
epithelioma contagiosum in fowls, (30) 885.	forestry education, (36) 97.
epithelium of uterine cornua of mammals, (28)	forests—
876.	climatic formations, (40) 152.
ermine moths, (28) 557.	methods of thinning, (28) 744.
Erysiphe graminis, (33) 847.	of Alabama, (29) 746. northern New England, (37) 651.
ethylene, effect on plants, (34) 626. eucalypts, (35) 842.	Philippines (28) 343
Eudenis naevana, (40) 356.	Philippines, (28) 343. Porto Rico, (36) 243.
European pine shoot moth, (32) 655.	formaidenyde in fumigants, (31) 414.
evaporation, atmospheric influence on, (33) 320. evolution, (27) 175, 733; (28) 370.	Formicidae, (29) 861.
evolution, (27) 175, 733; (28) 370.	fowl cholera, (27) 585; (31) 485. fowl pest, (28) 288.
evolution in Oenothera, (29) 321.	fowls engtony (40) 483
exosmosis from plant roots, (34) 827. farm homes, (26) 597.	freezing of plants. (27) 523; (32) 42.
farm produce, distribution between landlord	fowls, anatomy, (40) 483. freezing of plants, (27) 523; (32) 42. Frenatae, (26) 859.
farm produce, distribution between landlord and tenant, (31) 390.	irost, (34) 414.
18rm1ng, (34) 035.	fruit—
feather development, (27) 771; (28) 578. fecundity in fowls, (28) 577. feed unit system, (28) 74.	bud formation, (33) 44, 838.
feed unit system. (28) 74.	culture, (26) 741; (27) 144. fly, Mediterranean, (28) 62; (32) 656; (34)
reeding experiments, (30) 370.	856.
feeding experiments with lambs, (31) 667.	scale control in Italy, (29) 854.
feeding of school children, (33) 365, 864.	tree leaf-roller, (27) 161.
feeding stuffs—	trees, variability of yield, (38) 744.
digestibility, (26) 73. effect on digestive tract, (32) 367.	fruits, seedless, (31) 35. functional adaptation of the skeleton, (35) 376.
energy values. (33) 72.	fungi, (34) 49.
energy values, (33) 72. fermentation, (26) 613.	fungi—
rermentation, alcoholic, (29) 715; (34) 318.	and windfall timber, relations, (39) 847.
fermentation of manure and humus, (30) 28.	endoconidia producing, (35) 248.
ferments, protective, of the animal organism, (30) 78.	entomogenous, of Porto Rico, (33) 459.
ferrous sulphate as a top dressing for potatoes,	imperfect, on cereals, (30) 846. in alimentary canal of man and higher
(30) 735.	animals. (35) 560.
fertilizers, (31) 517, 723; (34) 426; (35) 632.	in soils, (29) 825.
fertilizers—	parasitic on scale insects in Formosa, (30) 456.
and chemical products, (37) 524.	parasitic on sugar cane insects, (28) 746.
catalytic, (30) 821. chamical, (40) 421.	fungicides, (31) 517.
effect of, (36) 446.	fungus diseases and immunity, (32) 426.
fiber measurements, (36) 345.	Fusaria on sweet potatoes, (31) 544.
fiber plants, (30) 437. field experiments, (38) 430.	Fusarium, (29) 445. Fusarium diseases of cereals, (26) 446.
field experiments, standardization, (39) 829;	galls, insect, (40) 554.
(40) 823.	garden design. (30) 644.
fig moth, (26) 249; (40) 150.	garden design and gardening, (31) 239. gardening, (26) 842; (28) 642; (34) 238, 635; (39)
Filaria immitis in dogs, (27) 86.	gardening, (26) 842; (28) 642; (34) 238, 635; (39)
fire blight, (29) 348.	444. gerdening and planting in the Tropics (32) 45.
firs, balsam, (30) 843. firs of North America, (32) 748.	gardening and planting in the Tropics, (32) 45. gas, illuminating, effect on roots, (34) 243.
fish, variation in composition, (39) 366.	gaseous exchange of animals and man, (36) 266.
fleas, (26) 350; (30) 554.	genetics, (28) 370; (31) 70; (39) 672.
flies of New Jersey, (37) 665. floral structure of Vitis, (26) 742.	genetics and eugenics, (40) 275.
floral structure of Vitis, (26) 742.	geochemistry, (26) 517. germ cells as affected by narcotic poisons, (39)
flour, nutritive value, (35) 162. flower—	178.
color, (34) 335.	German-American farmers, (31) 294.
development in rice, (32) 130.	germicides for sugarhouse work, (32) 717.
gardening, (30) 238; (32) 839; (34) 238. flowers, anomalous, (34) [2]	germination—
nowers, anomalous, (34)	in Gramineae, (38) 25.
fly larvae destruction, (31) 654. fly repellents, (32) 59.	of seeds, (33) 29, 826. tree seeds, (26) 842.
fodder grasses of Indian forests, (29) 170.	wheat, (31) 531.
food economy, (40) 559. food of birds, (28) 450.	wild oats, (31) 625.
food of birds, (28) 450.	gestation and parturition in cows, (28) 885.

Bibliography of-Continued.	Bibliography of—Continued.
Gibberella sp. on Sophora, (40) 844.	home economics, (27) 299; (28) 492; (29) 92, 567,
Gibberella sp. on Sophora, (40) 844. gipsy moth dispersion, (33) 654.	792; (32) 197; (35) 594.
gipsy moth wilt disease, (30) 456; (33) 255.	home furnishing and decoration, (34) 293.
gladiolus, (36) 643. glanders, (32) 371; (35) 780.	Homoptera, (38) 361. honey, (27) 364.
glandular cells in animals, (28) 272.	honey chemistry, (27) 613.
Glomerella, (28) 546.	hop aphis, (29) 254.
glycosuria and allied conditions, (30) 277.	hop aphis, (29) 254. hops, chemistry of, (31) 203.
golden-rod gall insects, (35) 55. gonadectomy in rats, (34) 264.	nops, sexual studies, (31) 832.
gonadectomy in rais, (34) 264.	horse bots, (39) 190. horse-radish flea-beetle, (37) 567.
gonocytes and ovaries in fowls, (29) 874. grain diseases, (27) 848.	horses, (28) 469.
grain dust explosions, (39) 494.	horses—
grain dust explosions, (39) 494. grains, small, (35) 593.	breeding, care, and management, (38) 275.
grains, susceptibility to smuts and rusts, (35)	breeding, care, and management, (38) 275. educated, (28) 172, 470. form and function in, (27) 373.
749.	form and function in, (27) 378.
granger movement, (30) 694. grape-berry moth, (26) 656; (28) 455.	fossil, in South America, (28) 269. Przewalskii wild, (27) 471.
grape—	horseshoeing, (31) 488. horticulture, (32) 437. horticulture, tropical, (30) 532. house fly, (33) 157, 561.
curculio, (40) 257 diseases, (28) 650.	horticulture, (32) 437.
diseases, (28) 650.	horticulture, tropical, (30) 532.
downy mildew, (30) 452.	house fly—
diseases, (25) 050. downy mildew, (30) 452. leaf-folder, (36) 156. leafhopper, (30) 548. leaves, analyses, (27) 731. phylloxera, (36) 357. roncet, (28) 349. scale, (27) 556.	dispersion, (36) 57.
leaves, analyses, (27) 731.	dispersion, (36) 57. enemies of, (30) 554. larvae, (30) 756.
phylloxera, (36) 357.	larvae, (30) 756.
roncet, (28) 349.	overwintering, (39) 264.
SCR10, (27) 550.	relation to public health, (26) 61.
grapefruit, (39) 203. grapes—	house sanitation, (28) 567. humus formation, (34) 515.
and grape culture, (33) 142.	humus in soils, (30) 696.
changes during ripening, (39) 141.	hunger control in health and disease, (36) 363.
culture, (31) 339; (34) 234.	hybridization and mutation, (32) 326.
culture, ancient and modern, (30) 643. culture in Portugal, (32) 838.	hydrocyanic acid in—
inheritance in. (33) 642.	cherry laurel, (29) 133. feeding stuffs, (28) 378.
inheritance in, (33) 642. sterility in, (32) 627.	hydrotropism in roots, (34) 224.
grapevines as a feeding stuff, (31) 72.	hygiene. (32) 760.
grasses, (33) 131.	Hylesinus spp., (27) 59. Ichneumonidae of British India, (37) 765.
grasses of Illinois, (39) 231.	illumination, dark ground, (26) 83.
grasses of Java, (38) 528. grasslands, herbage of, (37) 231.	Indian cotton, (26) 736.
green manuring, (26) 425; (33) 721.	industrial cooperation, (29) 595.
growth phenomena, secondary, of trees and	infant foods, proprietary, (32) 661. infant mortality, (27) 365.
shrubs, (28) 340.	infant mortality, (27) 365.
guinea pigs, genetic studies, (34) 466. Gymnosporangium blasdaleanum, (32) 645.	infection and immunity, (35) 574. influenza, equine, (29) 385; (39) 392.
gomnosnorangium galls. (35) 46.	insect—
gypsum production and consumption in United States, (31) 125.	enemies of cotton boll weevil, (27) 59.
States, (31) 125.	flagellates of vertebrates, (33) 862.
Habronema muscae, (29) 83. hair and hair colors, (27) 369.	physiology and morphology (27) 53
hair and hair whorls of horses, (27) 373.	galls, uses, (39) 164. physiology and morphology, (27) 53. wings, (40) 352.
harlequin cabbage bug, (39) 657.	insecticides, (31) 517. insecticides, physical properties, (39) 462. insects, (28) 155, 345; (33) 495.
hazelnuts. (33) 540.	insecticides, physical properties, (39) 462.
head smut of sorghum and corn, (31) 747. Heliothrips haemorrhoidalis, (26) 247.	insects, (28) 155, 345; (33) 495.
heliotropism as affected by salts. (34) 333.	insects— and diseases. (26) 246.
heliotropism as affected by salts, (34) 333. Helopeltis, (38) 259 hemagglutination, (28) 481.	and diseases, (26) 246. as carriers of chestnut blight, (34) 448.
hemagglutination, (28) 481.	in relation to man, (33) 856. injurious, (29) 652; (39) 760.
hemicellulose in roots, rhizomes, and tubers, (30) 130.	injurious, (29) 652; (39) 760.
Hemiptera. American, (31) 454.	injurious to coconut palms, (26) 60.
hens, yellow color, relation to egg production, (39) 378.	ity, (33) 652. social habit, (40) 553.
(39) 378.	Wilt disease of, (33) 857.
(38) 376. heredity, (26) 162, 365, 366; (27) 30, 70, 175; (28) 370; (29) 67; (32) 860; (33) 371, 537, 758, 870; (34) 370.	insurance, compulsory, in United Kingdom,
(34) 370.	(27) 488. internal secretions, (28) 264.
heredity-	interstitial granules of striated muscles, (27)
and pure line theory, (32) 326	466.
in beans, (35) 836.	intestinal flora in relation to diet, (36) 665.
blue-gray cattle, (36) 168. corn, (29) 335.	intestinal flora of swine, (38) 875. involution of uterus of goats, (27) 786.
	irises, (28) 743.
morning-glary, (38) 750.	iron pan formation in soils. (30) 719.
morning-glory, (38) 750. peas, (38) 522.	irrigation, (31) 287; (32) 588.
pigeons, (31) 513.	irrigation— '
plants, (30) 328; (34) 527. rabbits, (32) 573.	farming, (30) 587. in California, (34) 682.
tobacco, (30) 531.	in Italy, (37) 184.
of doubleness in Matthiola and Petunia,	in United States, (37) 183.
(34) 287.	pumping, (37) 384.
of habits in beans, (34) 41.	irritability in plants, (38) 29.
of leaf coloration in Melandrium, (32) 35. Heterodera schachtii, (27) 352.	Ixodoidea, (35) 263. jaundice, infectious, (39) 890. Jöhne's bacillus, (26) 784. June beetle bacterial disease, (32) 62.
neteromorphic fruits and seeds. (28) 631.	Jöhne's bacillus, (26) 784.
Heterosporium spp., (29) 647.	June beetle bacterial disease, (32) 62.
Heterosporium spp., (29) 647. heterozygosis, (27) 428. hides, disinfection, (33) 178.	Katabonsin, basai, (39) 2/1.
m-most argumentatit (an) 110.	kefir, (27) 75.

Bibliography of—Continued.	Bibliography of—Continued.
kelps, California, (33) 109.	metabolism in boyhood, (28) 261.
kitchen equipment for army use, (29) 567.	metabolism of incubating eggs, (26) 877.
lactic-acid bacteria, (28) 75.	mataaralagu (98) 612 715 (97) 215 414 (99)
lactochrome, (32) 19. lactose, (40) 415.	Metarrhizhum anisopliae, (39) 868. meteorology, (20) 613, 715, (27) 315, 414; (28) 710; (31) 20, 509, 715; (32) 210, 810; (33) 117 320, 717.
land grants in United States, (34) 594.	320, 717.
land reforms in Russia, (30) 792.	meteorology agricultural, (29) 811.
	agricultural, (29) 811.
land-title registration, (37) 190.	and seizmology, (34) 117, 413, 614.
land, use in common, (33) 893.	of Brazil, (37) 620.
land-title registration, (37) 190. land, use in common, (33) 893. landscape gardening, (31) 439, 536. larch case bearer, (28) 857. larch insects, (40) 453. leaf miners, (34) 553. leaf temperature in winter, (32) 640.	and seizmology, (34) 117, 413, 614. of Brazil, (37) 620. micoplasma theory of Eriksson, (33) 448. microchemistry of plants, (30) 310. microtllariasis of horses (33) 583.
larch case bearer, (28) 857.	microchemistry of plants, (30) 310.
larch insects, (40) 453.	microllariasis of norsest (33) 583.
leaf miners, (34) 553.	Microrephoptern, (34) 355.
	microorganisms—
leaf tissue, parasitized, (27) 543.	in maple sap, (29) 157. in mesentoric glands of cattle, (28) 885.
least squares, (36) 420.	in milk. (31) 374
least squares, (30) 2615. leather manufacture, (30) 615. leaves, senile changes in, (34) 222. Lecanium caprese parasites, (40) 651. legume discases, (33) 648. leopard moth, (26) 557; (27) 658. Lepidoptera at light traps, (39) 560.	pathogenic, (28) 178. microparasites of insects, (36) 355.
Lecanium caprese parasites, (40) 651.	microparasites of insects, (36) 355.
legume diseases, (33) 548.	HILCOSCODY OF VERELADIC 1000S. (35) 504
leopard moth. (26) 557; (27) 658.	milk, (28) 372, 373, 473.
Lepidoptera at light traps, (39) 560.	milk—
	and its products, (31) 176.
Leptinotarsa, (40) 860.	as a food, (36) 862.
Leptinotarsa, (40) 860. lettuce bacterial diseases, (33) 742.	as a food for infants, (30) 761, 861.
lettuce scierotiniose, (26) 448.	as affected by feeding stuffs, (35) 275. bacteria, (31) 776.
life insurance for farmers, (27) 794.	bacteria growth (26) 990
life zones and distribution areas in New Mexico,	elerification (27) 478
(29) 755.	condensed. (26) 81.
light, effect on etiolated leaves, (33) 826.	dried. (40) 379.
light in relation to seed germination, (30) 522. light requirements of trees, (36) 242.	examination, (29) 718.
lilies, (29) 341.	bacteria, growth, (26) 880. clarification, (37) 476. condensed, (26) 81. dried, (40) 379. examination, (29) 718. feeding and milk hygiene, (31) 174. fermented, (34) 474. from different quarters of cow's udder, (34) 270.
lime culture, (29) 746.	fermented, (34) 474.
lime, effect on soils, (32) 32.	from different quarters of cow's udder,
lime, effect on soils, (32) 32. lime production and consumption in United	(34) 270.
States, (31) 125.	human, (35) 557. human, composition, (37) 273. in infant feeding, (36) 559. inspection, (27) 877. judging, (33) 115. nutritive value, (34) 164. preduction over seconds. (36) 272
lime requirement of soils, (33) 623.	human, composition, (37) 273.
lime requirement of soils, relation to bacterial	in iniant feeding, (36) 559.
activity, (39) 326.	inspection, (27) 877.
Limnerium validum, (27) 360.	judging, (55) 115.
'linseed oil, (39) 411.	production cost accounts, (36) 272.
lipoids in human blood, (36) 365.	
lipoids in relation to immune reactions, (35)	ropy, (26) 880. secretion, (30) 178; (37) 874. sickness, (39) 489.
881.	sickness. (39) 489.
legact began (27) 566	sterilization by ultraviolent rays, (28) 277.
liver of pigs, (28) 783. locust borer, (37) 566. locusts, (36) 153.	mimicry, (31) 57.
locusts, control in various countries, (37) 849.	mitoe ondonorecitie (31) 258
loess soils, (35) 511.	mitochondria, (32) 524.
loganberries, (39) 412.	mitochondria, (32) 524. miononchs, (38) 254. moor soils of northwest Germany, (29) 514. mossic and allied diseases of tobacco and
loggrithmic curves in biological Work, (32) 767.	moor soils of northwest Germany, (29) 514.
logging, (30) 44. loquats, (32) 838. lumbering, (26) 442. Lumbriddae, (40) 267. lungworms of sheep and deer, (30) 285.	mosaic and allied diseases of topacco and
loquats, (32) 838.	tomatoes, (30) 148.
lumbering, (26) 442.	mosaic disease of plants, (31) 52. mosquitoes, (33) 560; (39) 867. Mucorineae, (27) 134.
Lumbricidae, (40) 267.	Misorinese (27) 124
lungworms of sheep and deer, (30) 285.	mucous membrane of domestic animals, (26) 480
Lygus, (38) 461.	mulberry blight, (34) 649.
Lygus, (38) 461. Lygus, (38) 461. Lymphatic system of bovines, (27) 784. Lyperosia spp., (26) 559. magnesia as a fortilizer, (30) 234. magnesium carbonate in humid soils, (31) 816.	mulberry diseases, (33) 448.
Lyperosia spp., (20) 509.	mulberry diseases, (33) 448. mulberry scale and its natural enemies, (34) 456
memorium cerhonete in humid soils. (31) 816.	multiple gestation in uniparous animals, (28)
malaria, (33) 560, 860.	467.
malaria parasites in Anopheles, (35) 361.	muscardines, (32) 63. mushroom Mycogone disease, (32) 50.
Mallophaga, (37) 461.	mushroom Mycogone disease, (32) 50.
Mallophaga, (37) 461. mammals of West Indies, (28) 652.	mushrooms, edible and poisonous, (33) 338.
	mushrooms, edible and poisonous, (33) 338. muistion in cotton, (31) 526. mutation in plants, (28) 430; (32) 426; (34) 629. mycology, (30) 349; (33) 846. mycology of foods, (26) 355. mycorrhizae, (27) 851. Myriapoda of Chile, (29) 58. myriapodas (30) 256, 759. Naegieria gruberi. (38) 556.
manganese, determination, (38) 205.	mutation in plants, (26) 450; (52) 420; (54) 526.
manganese in acid soil, (39) 627.	mysology, (30) 328, (30) 320.
mangoes, (26) 841; (32) 745; (33) 342.	mycorogy of 100ds, (20) 300.
manganese, determination, (38) 205. manganese in acid soil, (39) 627. manganese tracid soil, (39) 627. manganese, (26) 841; (32) 745; (33) 342. manure, decomposition in soils, (38) 624.	Myrianoda of Chila (29) 58
	myrianods. (30) 256, 759.
market gardening, (38) 842.	Naegleria gruberi, (38) 556.
marketing, (35) 393. marketing horticultural products, (26) 741.	narcotics, effect on plants, (27) 827.
- marketing northeutar produces, (20) 1221	nathral distory of District of Collimbia, (20) 100
markets, (36) 593. markets and food supply, (36) 762.	nature study, (32) 496; (33) 95.
Massachusetts College. (40) 595.	nature study, (32) 496; (33) 95. Navajo country, (36) 486.
Massachusetts College, (40) 595. May beetle in Austria-Hungary, (33) 657.	naval stores industry, (33) 544.
meadow lark, western (30) 654.	Nectriella miltina on Agave, (40) 844.
meat meal for poultry, (26) 669.	nematode parasites of mammals, (36) 753.
meat meal for poultry, (26) 669. meats, fresh and frozen, (28) 866.	nematodes-
mechanical tissue in plant tendrils, (27) 631.	embryonic development, (30) 555.
Mecoptera of Japan, (30) 754.	heteroxenous, (37) 361.
melon fly, (33) 562; (37) 566.	injurious to plants, (28) 242.
mechanical tissue in plant tendrils, (27) 631. Mecopters of Japan, (80) 754. melon fly, (33) 652; (37) 556. Membracidae, (31) 59; (38) 462. Mendel's law, (26) 773. mesquite trunk diseases, (31) 751.	intestinal, (31) 679. parasitic in fowls, (31) 184.
Mendel's law, (26) 778.	Nematodirus filicollis, (34) 188,
imesquite frunk diseases, (31) (31-	ATTENANT

```
oliography of—Continued.
peach borer, lesser, (37) 159.
peaches, (38) 43.
peanut diseases, (32) 546.
pear slug, (27) 459.
peach insects, (40) 259.
Pediculoides ventricosus, (27) 565.
Pediculoides ventricosus, (27) 565.
pedogenesis, (28) 147.
pellagra, (28) 854; (34) 260; (36) 764.
penal farms and farm colonies, (32) 490.
pentosans, determination, (40) 114.
periodicity in—
plants, (27) 522; (28) 435; (35) 632.
tropical trees, (31) 743.
woody plants, (29) 443.
permeability of plant tissue, (34) 732.
pharmaceutical chemistry, (32) 678.
Phora spp., (30) 757.
phosphate—
                                                                                                                                                                                                                                                                             Bibliography of-Continued.
Bibliography of-Continued.
                  sliography of—Continued.
nervous diseases of horses, (31) 287.
Nezara viridula, (39) 559.
nicotin as an insecticide, (30) 152.
nitrate and nitrite assimilation, (32) 223.
nitrate formation in soils, (29) 819.
nitrates in soils, (29) 910; (37) 111.
nitric nitrogen, determination in soil, (38) 112.
nitric nitrogen, determination in soil, (38) 112.
                     nitric salts in plants, (30) 30.
                    nitrification in—
semiarid soils, (36) 423.
soils, (30) 718; (33) 421.
                    nitrogen-
                                      assimilation by plants, (26) 32.
atmospheric, fixation, (29) 417; (31) 822.
atmospheric, utilization, (27) 623; (32) 722,
                                         content of normal diet, (28) 261.
                  content of normal diet, (28) 261.
fixation, (38) 325.
fixation by bacteria, (29) 527, 630.
in forest soils, (33) 720.
in Pacific coast kelps, (33) 125.
in soils and fertilizers, (37) 216.
nutrition of mold fungi, (32) 237; (36) 527.
transformation in soils, (26) 722.
nodule bacteria, (37) 820.
nodule formation in relation to nitrates, (37) 134.
Norrland pine diseases, (28) 750.
North American fauna; (33) 461.
nucleic acids, (32) 201.
nucleoproteins as antigens, (32) 179.
                                                                                                                                                                                                                                                                                                Phors spp., (30) 757.
phosphate—
deposits in Florida, (30) 222; (34) 425.
rock, (32) 126; (35) 23.
rock, composting with sulphur, (39) 823.
phosphates, (27) 22.
phosphoric acid in feeds, (31) 563.
                                                                                                                                                                                                                                                                                                 phosphorus.
                                                                                                                                                                                                                                                                                                                    compounds in animal metabolism, (32) 601,
                                                                                                                                                                                                                                                                                              858.
content of growing pigs, (32) 73.
effect on legumes, (37) 829.
photomorphic shoots in Pinus, (30) 744.
Phylloxerinae, (27) 860.
Physalospora cydoniae, (36) 251.
physiology, (28) 466; (31) 764; (32) 565, 860; (34) 658, 777; (40) 869.
physiology and metabolism of growth, (26) 659 phytopathology, (39) 352.
Phytophthora, (31) 242.
pigeon culture, (27) 174.
pigmentation, dark, in domestic animals, (26) 472.
pigments, plant and animal. (32) 18.
                     nucleoproteins as antigens, (32) 179.
nut culture, (33) 143.
nutrition, (32) 760.
nutritional deficiency diseases, (36) 663.
                     nuntional desicency diseases, (36) 663.
oak Diddum, (29) 553; (34) 650.
oak phylloxera, (32) 57.
oaks, valonia, (31) 342.
oaks, white, of eastern North America, (33) 646.
                                                                                                                                                                                                                                                                                                pigments, plant and animal, (32) 18. pigs, (31) 694. pigs, bacillary pest, typhus, or paratyphus of, (33) 680.
                    cats—
classification, (36) 834.
composition, (27) 139.
Gottinger, (28) 738.
variation and correlation in, (32) 737, 738.
obligate symbiosis in Calluna vulgaris, (33) 221
olls and fats, edible, (39) 411.
Onchocerciasis in cattle, (34) 552.
onion neck rot, (33) 451.
colithic deposits of Department of Yonne, (26)
                                                                                                                                                                                                                                                                                                 Pimpla pomorum, (40) 65.
                                                                                                                                                                                                                                                                                               pine—
leaf cast, (32) 845.
reproduction in north polar region, (29) 442.
sawfiy, imported, (39) 760.
pines, mountain, in eastern central Alps. (32) 237.
pink bollworm, (37) 564.
pink corn worm, (35) 257.
piroplasmosis, bo
                                                                                                                                                                                                                                                                                                pine
                    colithic deposits of Popularian Sig.
Ophidia, wounds and diseases, (40) 55.
Ophinae, (34) 454.
Orchard heating, (27) 241.
Orchard surveys, (28) 540.
Oriental sore, (32) 780.
Orientation in ants, etc., (33) 563.
Ornamental gardening, (26) 842.
Orientation
                    orientation in ants, etc., (33) 503.
ornamental gardening, (26) 842.
ornithology—
British, (36) 251.
Hungarian, (31) 57.
of Porto Rice, (34) 850.
osmotic pressure, (30) 310.
otacariasis in mountain sheep, (33) 680.
ova, mammalian, segmentation, (27) 770.
ovaries, transplanting, (26) 163.
oviduct of hens, (28) 576.
ox warble flies, (29) 856; (33) 775.
oxidases in plants, (31) 626.
oxidases in plants, (31) 626.
oxidases in plants, (31) 626.
oxidases in plants, (32) 686.
palms, (28) 542; (30) 444.
Parssetigena segregata, (27) 58.
parastic diseases of sheep and cattle, (27), 182.
parastiology of domestic animals, (26) 882.
parastyphoid bacteria in bird diseases, (40) 685.
parks, (26) 338.
parthenogenesis in—
Nicotione (20) 294
                                                                                                                                                                                                                                                                                                 plant
                                                                                                                                                                                                                                                                                                                   nt—aikaloids, (31) 409.
breeding, (28) 145; (31) 131; (32) 822.
chlorosis, (34) 53.
diseases, (28) 445; (27) 45, 445, 543, 747; (28) 155, 345; (30) 147, 348; (31) 746; (34) 318; (40) 47.
                                                                                                                                                                                                                                                                                                 plant diseases
                                                                                                                                                                                                                                                                                                                   nt diseases—
biological treatment of, (31) 50.
heredity of, (31) 841.
in Argentine, (35) 243.
Ceylon, (33) 545.
Indiana, (39) 547.
Saxony, (32) 749.
                                                                                                                                                                                                                                                                                                plant-
                                                                                                                                                                                                                                                                                                plant—
food production in soils, (30) 624.
galls, (30) 852.
plant growth as affected by—
forest humus, (32) 619.
nutrient and nonnutrient bases, (30) 128.
                                                                                                                                                                                                                                                                                                 plant
                       partienogapy in runs, (31) 555.

Parthenogenesis in—

Nicotians, (30) 224.

Otiorhynchusepp., (32) 250.

Paspalum poisoning in cattle, (34) 676.

pasteurization in relation to keeping quality of butter, (20) 78.
                                                                                                                                                                                                                                                                                                                   nr—
hybridization, (27) 239; (29) 320.
lice, (32) 553.
metabolism as affected by acid and alkaline
solutions, (32) 626.
metabolism as affected by etherization, (28)
                      pasteurization in relation to keeping quality of
butter, (39) 78.
pasture grasses as affected by manure, (33) 228.
pathology, (29) 174; (31) 277.
pathology and pathologic anatomy of man and
animals, (32) 271; (33) 476.
pea aphis, (34) 62; (35) 256.
pea thrips, (34) 451.
peach borer, California, (26) 62; (30) 660.
                                                                                                                                                                                                                                                                                                                   norphology, (35) 27.
nutrition and manuring, (36) 114.
physiology, (31) 223; (36) 429; (38) 525.
poisons and stimulants, inorganic, (33) 328
stimulation, (27) 331.
stimulation by poisonous substances, (27)
```

SUBJECT INDEX

Bibliography of-Continued.	Bibliography of-Continued.
plant—continued. succession, (32) 128; (37) 434.	Puccinia graminis, (33) 345. puerperal diseases in cattle, (34) 386
succession, (32) 128; (37) 434. tissue, killing by low temperature, (35) 234	pulp and paper industry, (29) 119.
plants as affected by—	pumping machinery, (31) 89. pure cultures of amebac, (28) 375.
coal tar vapors, (27) 636. distilled water, (31) 730.	purple scale, (26) 757.
ficezing, (31) 34. light and shade, (30) 430.	putieraction of meat, etc., (34) 164.
salts, (31) 426.	quassia, insecticidal value, (38) 56. quebracho, (36) 745.
smoke and dust, (31) 34.	Quereus alba, ray system, (40) 153. race hygione, (27) 70. radioactivity of soils and waters, (33) 809.
plants— immunity to their own poisons, (32) 35.	radioactivity of soils and waters. (33) 809.
nutration and reproduction in. (28) 224.	radishes, (34) 532.
poisonous, (26) 327. poisonous, of California, (32) 778.	nafinose, physiological behavior, (37) 572. nailroad ties, preservation, (28) 240.
poisonous to livestock, (37) 688.	railroads, agricultural development work, (40)
useful in dye making, (29) 626.	488 rainfall, (38) 209
woody, (26) 240. woody, of German East Africa, (29) 643.	rainfall, tropical, (37) 17.
woody, of Switzerland, (35) 843. Plasmodiophoraceae, (31) 145.	rats, (40) 546. ray tracheids, in conifers, (28) 440.
Pleurotus spp., (28) 852.	reclamation of sand dunes, (26) 223.
plum borer, (33) 454.	red banded thrips, (28) 354.
plum brown rot, (34) 445. plum curculio, (27) 864.	red peppers, (29) 264. red scale, (26) 554.
piums, (27) 40.	red spider, (29) 262; (32) 158; (36) 557.
plums, American, (32) 837. Plusia gamma, (26) 147.	Reduviidae of North America, (30) 55. reproduction in relation to vegetative vigor in
pneumonia in lower animals, (30) 580.	plants, (34) 824.
poliomyelitis, (39) 187. pollen of red clover, (29) 829.	respiration of fruits and plant tissues in gases, (29) 539.
pollination, (29) 437.	rest period in-
pollination— in Commonitor (34) 727	plants, (32) 437; (35) 222. potatoes, (32) 130.
in Compositae, (31) 727. in field crops, (36) 527.	seeds, (33) 521.
of pomaceous fruits, (29) 541.	Rhamnus purshiana, (32) 46. Rhizoctonia, (34) 841; (35) 749. Ribes pallidum, fertility, (31) 225. rice sclerotial disease, (30) 244.
of red clover, (33) 833. polyhedra in insects, (37) 254.	Ribes pallidum, fertility, (31) 225.
Polyporus dryadeus, (30) 354.	rice sclerotial discase, (30) 244.
pomology, (33) 537. potash, (31) 321; (32) 126.	rice smut, (35) 247. rinderpest, (30) 683; (35) 487; (36) 779.
potosn—	ripening processes of fruits, (26) 139.
deposits in United States, (31) 125. from alunite, (39) 728.	roads, (28) 486. roads—
from blast furnaces, (36) 625.	bridges, and culverts, (35) 583.
from blast furnaces and cement works, (40) 128.	construction and maintenance, (37) 695,
from complex mineral silicates, (39) 218.	in United Kingdom, (31) 289. in United States, (37) 188. roaring in horses, (26) 185.
industry, (26) 316.	roaring in horses, (26) 185. Rocky Mountain spotted fever, (27) 480, 866.
production in 1917, (40) 725. resources of United States, (36) 26.	root—
galts, (33) 625; (35) 23.	knot, (26) 343.
potassium, determination, (39) 714.	nodules in Podocarpineae, (27) 828. systems of agricultural plants, (36) 827
hactorial rots (26) 847	tuborcles, (36) 848. tumors, (31) 841.
diseases, (26) 547; (30) 640; (31) 51. dry rot, (29) 48. flea beetle, (29) 259. insects, (33) 352. late blight, (27) 545; (34) 246; (39) 651. lenf-roll, (27) 448; (28) 52, 848; (30) 243; (32)	roots of herbaceous plants, (36) 223.
flea beetle, (29) 259.	roots of herbaceous plants, (36) 223. rope and its use on the farm, (30) 591.
Insects, (33) 352.	rose aphids, (32) 848. rose leafhopper, (39) 62.
lenf-roll, (27) 448; (28) 52, 848; (30) 243; (32)	rose leafhopper, (39) 62. rose scale, (33) 557. roses, (27) 146. rotation of crops, (34) 337.
(7 EO+	roses, (27) 140. rotation of crops. (34) 337.
powdery scah, (31) 149. Rhizoctonia diseaso, (32) 147.	roundworms, parasitic in pigs, (28) 286. roup in fowls, (38) 890.
scab, (32) 147, 547. silver scarf, (29) 347. tuber moth, (36) 656.	roup in fowls, (38) 890. rubber, (27) 647; (39) 51.
tuber moth, (36) 656.	rubber-
tuber rots, (34) 246. wart disease, (26) 444. poultry, (26) 669; (28) 599; (33) 575. poultry investigations, (27) 675.	chemistry, (30) 313. industry of the East, (33) 543.
poultry, (26) 669; (28) 599; (33) 575.	Manihot, (30) 146.
poultry investigations, (27) 675.	root disease, (27) 854. rum, (26) 613.
poultry raising, (38) 776. powdery mildews, (30) 537.	rumpless fowls, (26) 573.
prairie dogs, (34) 58.	rural— shursh community service (40) 300
pregnancy in domestic animals, (35) 880. preneture fall of flower petals, (27) 230.	church, community service, (40) 390 communities, (32) 389.
protein hydrolysis products, (28) 168.	economics, (26) 92; (28) 492, 795; (31) 894; (32) 194; (35) 588.
protein metabolism, (26) 764; (28) 167. proteins, (26) 801; (38) 708.	life, (30) 197, 496, 695.
proteins, (2i) 801; (38) 708. proteins, digestion by serums, (35) 179. proteocephalidae, (32) 854.	life and education, (31) 193; (33) 95.
proteocephalidae, (32) 854. protist organisms, infective granule in, (30) 577.	migration in France, (35) 497. problems, (40) 292, 387.
protozon—	social science, (26) 297.
in ruminants' stomachs, (30) 578. intestinal, (40) 187.	social surveys, (36) 288. sociology, (32) 194, 488.
pathogenic, (26) 246, 865; (27) 460, 551.	rusts, (30) 350.
pruning, (36) 536. Psyllidae of New World, (31) 453.	rusts, propagation, (27) 746. rutting of cows, (26) 367.
Puccinia dispersa, (29) 346.	saccharin, (26) 257.

Bibliography of-Continued.	Bibliography of—Continued.
saccharose formation in sugar beets, (27) 526.	soil—continued.
salts, absorption by plants, (35) 433.	and climate of small areas, (26) 517.
salts, absorption by plants, (35) 433. salts, antagonism, (33) 323, 522.	bacteria as affected by baryard manure
sanitation, (40) 594. sap ascent in plants, (35) 26.	(26) 31.
sap ascent in plants, (35) 26.	bacteriology, (28) 34; (30) 820.
sap studies, (32) 139.	bacteriology, (28) 34; (30) 820. earbonates, (30) 800. chemistry, (32) 718. constituents, (28) 324.
Sarcocystis tenella, (34) 384.	chemistry, (32) 718.
sarcosporidin, (30) 577	forming minerals, (28) 812.
saw palmetto, (35) 807. school—	
feeding movement (27) 270 (20) 182 287	fungi, (36) 215, fungi of Norway, (34) 226,
feeding movement, (27) 270; (29) 162, 267. gardening, (29) 296; (31) 395. lunches, (31) 660; (38) 167.	fungi of Norway, (34) 226. inoculation, (27) 322.
lunches. (31) 660; (38) 167.	mapping, (32) 26.
schools as social centers, (31) 297.	mapping, (32) 26. mapping in Germany, (28) 620.
schools, rural, (32) 380, 392.	moisture, (32) 815.
Sclerostomidae of horses, (36) 280.	moisture, effect on maize, (39) 20.
Sclerotium rhizodes, (27) 150.	nitrogen. (29) 316.
Scolytoidea, (32) 658.	organisms, (32) 321; (39) 516.
seed-	protozoa, (31) 420; (34) 21.
coat of Xanthium, (30) 132. improvement in Canada, (28) 739.	801111.1011, (55) 522,
improvement in Canada, (28) 739.	temperature, (29) 620.
inspection, (32) 232. production, (39) 842.	soils, (27) 417, 821; (31) 723.
production, (38) 642.	Soils—
selection, (26) 141. seedlings, damping-off, (30) 846.	and manures, (34) 717. as affected by drying, (33) 811. hygroscopic coefficient, (38) 211.
seeds, (38) 343.	hygroscopic coefficient (38) 211.
seeds—	
afterripening, (29) 527.	of San Luis Province, Argentina, (34) 512. of United States, (28) 117. sterilization, (31) 27; (35) 515; (37) 213. sugar inverting activity, (40) 124. sorghum loose kernel smut, (34) 444. sorghums as affected by climate and weather,
afterripening, (29) 527. as affected by disinfectants, (31) 824.	of United States, (28) 117.
	sterilization, (31) 27; (35) 515; (37) 213.
delayed germination in, (31) 824; (34) 31.	sugar inverting activity, (40) 124.
disinfection, (26) 820; (35) 444.	sorghum loose kernel smut, (34) 441.
germination, (27) 431; (28) 327; (35) 632.	sorghums as affected by climate and weather,.
germination as affected by light, (29) 525.	(00) 200.
leguminous, as affected by heat, (33) 629.	Spalangia muscidarum, (30) 857.
seismology, (32) 810; (33) 320, 717.	specialization of parasitic fungi, (37) 149.
Sempervivum rust, (28) 845.	specialization of parasitic fungi, (37) 149. spermatogenesis in hybrids, (27) 371. spermatozoa, duration after fecundation, (34)
delayed germination in, (31) 824; (34) 31. disinfection, (26) 820; (35) 444. germination, (27) 431; (28) 327; (35) 632. germination as affected by light, (29) 525. leguminous, as affected by heat, (33) 629. seismology, (32) 810; (33) 320, 717. sempervivum rust, (28) 845. septicemin, hemorrhagic, (38) 887. serology, (32) 578.	spermatozoa, duration after lecundation, (94)
sementine leaf miner (20) 857	864. Sphagralla moricola (27) 547
serpentine leaf miner, (29) 857. serum physiology, (39) 190. serum sickness, (39) 254.	spiders (28) 257
serum sickness, (39) 284.	spirits. (31) 339.
sewage-	Sphaerella moricola, (27) 547. spiders, (28) 257. spirits, (31) 339. spirochetes, (26) 460; (27) 780; (39) 190. spirochetosis, equine, (28) 184.
disposal, (31) 592.	spirochetosis, equine, (28) 184.
disposal and treatment. (26) 215.	spirochetosis in fowls, (27) 385; (31) 383. Spirogyra as affected by colloidal metals, (31)
purification, (37) 488; (38) 691.	Spirogyra as affected by colloidal metals, (31)
sex cells, (26) 364,	129.
sex characters, secondary male, in female birds,	Spongospora subterranea, (33) 347.
(38) 171.	spore germination—
sex determination, (26) 364; (27) 573. sex differences, (27) 369.	and infection in Comycetes, (26) 343.
sex linkage in fowls, (27) 275.	of cereal smuts, (31) 642. sporotrichosis, (31) 81; (34) 385.
sex ratios in pigeons, (33) 370.	Sporting fever tick (98) 255
sex trimorphism, (28) 571.	spotted fever tick, (26) 255.
sexuality in Uredineac, (34) 526.	spraying, (28) 787. spur shoot of pines, (31) 523.
shade, effect on forest seedlings, (31) 838.	standard of living in America, (20) 157.
sheep food plants and range conditions, (30)	starch and plastid formation in plants, (28) 525.
568.	sterility in—
sheep in America, (31) 567.	fruits, (36) 344.
sheep in America, (31) 567. sheep magget fly, (29) 656. shoots, effect of decapitation or inversion on,	grapes, (31) 442. mules, (34) 569.
shoots, effect of decapitation or inversion on,	mules, (34) 569.
(33) 827. Signiphoring (20) 750	stimuli, effect on plants and animals, (32) 222:
Signiphorinae, (30) 759.	stomach of ruminants, (27) 68.
silage fermentation, (27) 203; (36) 802. silage, methods of treatment, (40) 116.	stomach, third, of ruminants, (28) 271.
Silica in plant nutrition (26) 531	strawberries, (31) 339; (32) 639; (37) 143. strawberries, sterility, (39) 48.
silica in plant nutrition, (26) 531. silicates, decomposition by soil bacteria and	etrowherev
yeasts, (31) 121.	culture. (34) 42
silkworm, (28) 556; (30) 456.	culture, (34) 42. rots, (39) 543. weevil, (38) 163. stream-flow measurement, (38) 187. Streamstress, (40) 288
silkworm—	weevil, (38) 163.
larval characters, (37) 158. muscardine, (26) 757. pebrine, (37) 361.	stream-flow measurement, (38) 187.
muscardine, (26) 757.	Strepsiptera, (40) 266. streptococci, (40) 184, 881. streptococci in milk, (26) 777.
peorine, (37) 381.	streptococci, (40) 184, 881.
zygotic constitution, (31) 60.	streptococci in milk, (26) 777.
silos and silage, (34) 665.	sugar, (27) 615; (29) 719; (31) 334.
silver leaf disease, (29) 847; (34) 648. Simulidae, (31) 254; (33) 156. Siska pigs, (26) 368. skim milk and whey for calves, (36) 877.	sugar beet—
Siska pigs. (28) 368.	leafhoppers, natural enemies, (33) 747. nematode, (35) 151.
skim milk and whey for calves (36) 877	spadling dispases (22) OAR
smoke, effect on plant life. (29) 630.	seedling diseases, (33) 246. thrips, (36) 153.
smoke, effect on plant life, (29) 630. smoke toxicity, (29) 529.	sugar beets, (27) 642.
social center work and rural life, (31) 598.	sugar beets—
sociology, (28) 492.	analysis, (26) 410.
sodium benzoate, (27) 366. sodium salts, (35) 24.	variation and correlation, (37) 642.
somum salts, (35) 24.	sugar cane—
SOU	borer, (30) 854.
acidity, (36) 505; (38) 512, 720; (39){514. aldehydes, (40) 22. analysis, (28) 123, 425; (33) 205.	diseases, (38) 851; (40) 157.
210011 y 008, (40) 22.	gummosis, (33) 852. hybridization, (26) 439.
arron 2010's (40) 150's 450's (99) 500's	Hypridization, (20) 439.

SUBJECT INDEX

Bibliography of-Continued.	Bibliography of—Continued.
sugar cane—continued.	trees-
insects, (30) 355. moth stalk borer, (33) 454	and shrubs of the British Isles, (32) 337.
rind disease, (36) 649.	germination and early growth, (36) 447, influence of source of seed, (38) 45. of Indiana, (40) 152. trematodes of North America, (33) 863; (38) 385.
seed selection and treatment, (30) 449.	of Indiana, (40) 152.
sugar— deterioration, (39) 510.	trematodes of North America, (33) 863; (38) 365.
in plant tissues, (34) 729.	trichiniasis, (31) 478. tricolor inheritance in guinea pigs, (35) 771.
utilization by plants, (36) 125.	tropical botany and agriculture, (26) 629. Tropics, magazine articles on, (40) 687.
sulphocyanid in ammonium sulphate, (31) 422. sulphur—	Tropics, magazine articles on, (40) 687. Trypanosoma americanum, (27) 82.
as a fertilizer, (32) 725.	trypanosome—
compounds in plant nutrition, (34) 221.	disease of camels, (26) 85.
dioxid, effect on plants and animals, (35)	new, in Uruguay, (26) 584. trypanosomes, (28) 282.
for plants, (30) 139. in plants, (31) 818.	trypanesomes in-
in plants, (31) 818.	cattle, (26) 84.
oxidation in soils, (36) 821. suprarenal capsules of domestic animals, (28) 778.	German cattle, (30) 782. healthy cattle, (28) 584.
778.	rats, (33) 160.
surra, (29) 176. wamp fever in horses, (26) 287.	tsutsugamushi disease, (37) 859.
sweet clover, (28) 637.	tubercle bacilli, (27) 682; (29) 78. tubercle bacilli—
sweet clover as green manure, (38) 722.	in circulating blood, (31) 83
sweet pea diseases, (32) 446. sweet potatoes, changes in during storage, (32)	isolation, (37) 180. tuberculin—
634.	in diagnosis and treatment, (30) 332.
symbiosis, (28) 35.	test, (35) 576.
Synchytrium spp., (28) 844. Syrphidae, (30) 552.	tuberculosis, (27) 579; (28) 180, 284, 883; (30) 884; (34) 679; (37) 879, 880.
Syrphidue of Maine, (36) 460. Tachardia lacca, (35) 659.	Lilpercillosis—
Taghardia lacca, (35) 659. Taghrina communis and T. pruni, (40) 452.	avian, (31) 582; (36) 480.
tarbagans in relation to plague, (26) 653.	in fowls. (26) 487: (34) 880.
tarnished plant bug, (31) 651.	avian, (31) 582; (36) 480. immunization, (26) 86. in fowls, (26) 487; (34) 880. in relation to milk, (26) 275; (30) 574.
tea, (36) 241. tea fermentation, (37) 44.	tunps, (81) 46; (87) 880.
teak, annual ring formation in, (34) 839.	tyloses in American woods, (30) 844, ultramicroscopy, (26) 83.
temperature, relation to plant growth, (35) 432;	underground waters in Ohio, (28) 617. United States Government publications on
(39) 616. Tennessee geology, soils, drainage, and forestry,	United States Government publications on
(26) 812.	agriculture, (29) 598. Uromyces pisi, (26) 651; (31) 347. uterine diseases in cattle, (36) 279.
termites, (27) 555; (32) 755.	uterine diseases in cattle, (36) 279.
termites, Australian, (30) 657. terrapin scale, (35) 158.	vaccine, sensitized and nonsensitized, (35) 782. vaginal caterrh in cattle, (31) 286. vanilal extract, (35) 765. variability and amphimixts, (34) 370. variation, (27) 175. variation in pears, (32) 638. variation in pears, (32) 638. variation in pears, (32) 638.
tetraplasy, (29) 67. Tetrastichus asparagi, (33) 658.	vanilla extract, (35) 765.
Tetrastichus asparagi, (33) 658.	variability and amphimixis, (34) 370.
Texas fever, (35) 77. Texas fever tick, (33) 751. therapeutics, (32) 678.	variation in pears. (32) 638.
therapeutics, (32) 678.	variation in plants, (37) 28, 642. vegetable growing, (29) 436.
thermoprecipitin reaction, (31) 878. thunderstorms, (32) 24.	vegetable growing, (29) 436. vegetables, (32) 834.
thyroid feeding, (39) 70 Thysanoptera, (31) 351.	vegetation in marshes, (32) 330.
Thysanoptera, (31) 351.	vegetation of sand hills, (31) 425.
ticks. (27) 866.	verbena bud moth, (33) 255. verminous toxins, (30) 279.
Thysanoptera of Florida, (40) 353. ticks, (27) 866. timber, (28) 439.	verruga, (32) 350.
timber decay, (35) 252. timber preservation, (35) 241.	veterinary medicine, (28) 583, 667.
timbers resistant to termites, (30) 536.	violet diseases, (29) 753. violets, (29) 543.
	Vitamins, (36) 363.
timothy loaf smut. (36) 543.	vocational education, (40) 196.
timothy, (33) 255. timothy leaf smut, (36) 543. Tipula spp. of North America, (31) 551. tissue changes in fasting animals, (33) 464	walnut aphids, (31) 754. walnut-oak hybrids, (32) 46.
tissue changes in fusting animals, (33) 464	walnut weevil, (28) 553.
tobacco, (30) 836 tobacco—	Walnuts, Persian, (28) 543.
black rust, (31) 150. breeding, (29) 537. mosaic disease, (33) 447. wireworm, (31) 253.	war gardens, (39) 444. warble fly, (31) 254.
precuing, (29) 557.	warty typhilitis in pheasants, (26) 684.
wireworm, (31) 253.	conduits, (30) 887.
toldrance of forest trees, (51) 040.	culture experiments, (34) 826.
tomato blossom-end roi, (32) 344. tomato products, (30) 666.	flow in pipes, channels, etc., (36) 783.
tomatoes, (33) 837.	for agricultural and technical purposes, (23) 416.
toxicity of inorganic salts, (31) 730. toxicity of salts as affected by other salts, (30) 31.	ground, (32) 123; (40) 785. hard, (30) 714.
traction plowing, (26) 89.	hemlock, (30) 881.
Trametes pini, (34) 547.	purification, (37) 488.
ranspiration -	requirements of plants, (29) 826; (34) 522
and water vapor retention in plants, (29)	(38) 228. resources, (27) 116; (33) 89, 882.
in plants, (34) 335; (35) 28.	resources of Wichita region, Kansas, (31) 89.
in wheat spadlings (28) 629	rights and control, (32) 588.
tree crickets. (33) 653.	sterilization, (30) 816. sterilization by ultraviolet rays, (26) 128;
transportation of perishable products, (40) 489. tree crickets, (33) 653. tree culture, (20) 148; (33) 537; (34) 436.	(28) 214,
tree diseases. (27) 753.	supply in Italy, (34) 786. weather forecasting, (30) 510; (32) 316; (35) 808.

	m. 1 . 1
Bibliography of—Continued.	Bighead—
weathering of silicates, (29) 124.	in sheep, investigations, (31) 883. or osteoporosis in horses, (36) 780.
weed growth, (40) 832.	Rignonia conrecteta notae (27) 346
weevils of northeastern America, (36) 157. weights of newborn animals, (32) 863	Bignonia capreolata, notes, (27) 346.
wheat—	Bija sal, notes, (29) 443. Bilberries, seeds and seed oil of, (30) 803.
as affected by weight of seed, (39) 743.	Bile—
culture in America, (26) 134.	bovine, analyses, (29) 377.
durum, (38) 839.	food accessories in, (40) 271.
milling and baking qualities, (37) 862.	of tubercular animals, tubercle bacilli in, (31)
morphology, (39) 342 Russian, (40) 535.	481.
Kussian, (40) 535.	of tubercular animals, virulence, (29) 582.
rust, (26) 846.	secretion, (34) 463.
stored, respiration, (39) 37. varieties of Alsace-Lorraine and vicinity,	Bilharzia, transmission by flies, (38) 563. Biliary fever, equine—
(26) 838	notes and treatment, (32) 278.
white grubs, (38) 162.	relation to piroplasmosis, (26) 887.
white pines, (32) 840.	Bilimbi, asexual propagation, (32) 143.
wilting in plants, (29) 523; (34) 825.	Billbergia nutans, glycogen content, (27) 133.
wind as a pathological factor in regard to plants,	Billbugs—
(30) 354.	control, (40) 655.
Wine, (31) 339.	in Minnesota, (38) 155.
wine making in France, (34) 690 wireworm, common, (37) 765.	injurious to sugar cane, (35) 657.
wireworm, false, (39) 363.	life history and remedies, (38) 54.
wood-	notes, (33) 58, 746. Binder twine, fibers used for, (27) 534.
accretion as affected by light and heat, (32)	Binders—
144.	care and repair, (39) 292.
block paving, (33) 890.	grain, motor drawn and operated, (31) 188.
boring crustaceans, (36) 46.	Bindweed-
disinfection, (34) 781.	eradication, (38) 632.
fuel, (40) 641.	gall maker, notes, (32) 347.
pith-ray flecks in, (29) 44.	prominent in Louisiana, (37) 564.
preservation, (36) 844.	Binocular magnifier, (36) 97.
preservatives, toxicity, (33) 651. pulp, (26) 142.	Bins, reinforced concrete, construction, (36) 687.
pulp manufacture, soda process, (31) 715.	Bins, treatise, (35) 786.
structure, (28) 744; (29) 344.	Biocharacters, definition, (38) 823. Biochemical—
woods	methods, handbook, (27) 107; (33) 310.
American, (27) 42.	methods, handbook, (27) 107; (33) 310. reactions, occurring in light, (28) 201. Biochemische Zeitschrift, index, (29) 120.
intercellular canals, (39) 145.	Biochemische Zeitschrift, index, (29) 120.
of United States, (27) 541.	Biochemistry—
Woody plants (20) 245.	laboratory guide, (35) 8.
strength tests, (33) 845. woody plants, (39) 245. woody plants, foreing, (30) 642. worm nodules in cattle, (32) 377.	laboratory guide, (35) 8. monograph, (28) 607; (32) 201. of man and animals, handbook, (26) 306.
worm nodules in cattle, (32) 377.	of man and animais, nandbook, (26) 306.
worms in blood vessels of horses, (29) 784.	studies, (31) 201, 277. treatise, (26) 106; (27) 821; (28) 201; (29) 201, 408; (30) 201, 310, 707, 801; (34) 607; (39) 607. Bioclimatic law in research and practice, (39) 317.
	(20) 201 310 707 801: (24) 607: (29) 607
Withings 0:— Coquillett, D. W., (26) 855. Hilgard, E. W., (33) 595. King, A. F. A., (33) 560. McMurtrie, W., (31) 196. Slingerland, M. V., (32) 56. Smith, J. B., (29) 353. Storer, F. H., (33) 801. Uhler, P. R., (31) 349.	Bioclimatic law in research and practice, (39) 317.
Hilgard, E. W., (35) 595.	Bioconords—878 area Conords.
King, A. F. A., (33) 560.	investigations, (37) 325, 821. swelling, relation to temperature, (39) 731.
Supported M V (20) 56	swelling, relation to temperature, (39) 731.
Smith I B (20) 353	Bioenergy, muscular, of living organisms, (28) 168.
Storer, F. H., (33) 801.	Biographical—
Uhler, P. R., (31) 349.	sketch of—
xenia, (38) 526.	Abbe, C., (35) 699. Bessey, C. E., (32) 599. Brendel, F., (28) 716.
xeromorphy in marsh plants, (27) 829.	Brendel F (98) 716
yeasts, effects of salts on, (38) 503.	Coover, A. B., (39) 799.
yellow clover aphis, (32) 248.	Goessmann, C. A., (38) 810.
yoghourt, (29) 59.	Gnodell, H. H., (26) 897.
yolk nucleus, (28) 766. zeolitic properties of ground phonolite and lime	Hilgard, E. W., (34) 301.
trass, (29) 519.	Hooker, C. W., (28) 300.
zoocecids of North Africa, (28) 357.	Kastie, J. H., (35) 596.
zoology, (26) 753; (28) 247, 248; (31) 56; (33) 450;	Lighting, J. S., (20) 457.
(36) 151.	Longhridge R. H. (37) 463
zoology, Canadian, (26) 59; (27) 551; (30) 52;	Morse, E. W., (32) 800.
zoology, Canadian, (26) 59; (27) 551; (30) 52; (31) 648; (34) 651; (38) 256. Zygadenus, (33) 177. Bibos frontalls, hybridization experiments, (28) 670.	Popence, E. A., (29) 699.
Ribos frontalis hybridization agreeiments (98) 870	Salmon, D. E., (31) 697.
Bicalcium phosphate, manufacture and fertilizing	Saunders, W., (31) 698.
value, (29) 128.	Scovell, M. A., (27) 401; (34) 69
Bicarbonate and carbonate mixtures, titration, (39)	Smith, J. B., (25) 403.
714.	Stubbs T E (31) 100
Bicarbonates—	Wahnschaffe, F., (31) 200.
determination, (40) 112. determination in chlorinated solutions, (39)	Bessoy, C. E., 622 599. Brendel, F., (28) 716. Coover, A. B., (39) 799. Goessmann, C. A., (38) 810. Goodell, H. H., (26) 897. Hilgard, E. W., (34) 301. Hooker, C. W., (28) 300. Kastle, J. H., (35) 596. Leaming, J. S., (26) 437. Liebig, J. von, (32) 109. Loughridge, R. H., (37) 495. Morse, E. W., (32) 800. Popence, E. A., (29) 699. Salmon, D. E., (31) 697. Saunders, W., (31) 698. Scovell, M. A., (27) 401; (34) 69 Smith, J. B., (26) 403. Storer, F. H., (31) 698. Stubbs, J. E., (31) 100. Weber, H. A., (27) 398.
determination in chlorinated solutions, (39)	Weber, H. A., (27) 398. sketches, (40) 199, 200, 600, 800.
determination in hymnopharity solutions (40)	sketches and necrology, (39) 200, 400, 900.
determination in hypochlorite solutions, (40) 309.	Biological—
effect on saccharification of starch, (28) 200	diagnostics, inconsistencies of, (29) 500.
Bichloride of mercury, see Corrosive sublimate	investigations, logarithmic curves in, (32) 766.
Bicho de Cesto, notes, (27) 559.	manufacture in United States, (32) 875.
effect on saccharification of starch, (26) 309. Bichloride of mercury, see Corrosive sublimate. Bicho de Cesto, notes, (27) 559. Bichromate of potash, effect on milk, (27) 500.	production and distribution in Holland,
Dicycle ergoliteter—	(29) 377.
description, (31) 764.	propagation and sale. (28) 677.
with electric brake, (27) 768.	use in veterinary medicine, (27) 577.
Big bud mite, remedies, (40) 266.	reactions, discussion, (26) 579; (27) 576.
Big Lake Reservation as a game refuge, (38) 555.	survey of Washington, (40) 753.

Biological—Continued. therapeutics, review, (35) 73.	Bird—Continued. lice, studies, (33) 353.
therapy, evolution, (27) 377. Biology—	mites, dissemination by English sparrows, (26) 246.
and radioactivity, notes, (30) 224. bibliography, (26) 470; (28) 393, 765; (33) 167, 279. biometric ideas and methods in, (27) 69. color standards in, (29) 762.	protection, importance, (32) 847. rape, dissemination by farm animals, (26) 839. reservation. Hawaiian, notes, (27) 549.
courses in, (28) 91. dictionary, (27) 754.	reservations on irrigation projects, (37) 355. stomachs, estimating contents, (27) 754. studies for home and school, manual, (26) 398.
experimental, studies, (31) 277.	acanthocephalan parasites, (39) 556.
frosh-water, treatise, (39) 554. general and medical, treatise, (37) 76. general, bibliography. (36) 366, 468.	anesthesia and narcosis of, (35) 379. anthrax infection in, (28) 678. artificial insemination in, (31) 370.
general, bibliography, (36) 366, 468. index catalogue (32) 166. laboratory manual (26) 393.	as carriers of chestnut blight fungus, (32) 55. as seed carriers, (27) 549. attracting, (27) 355; (32) 347; (34) 238, 650, 849:
stable taxonomy in, (35) 328. tables of statistical error, (26) 773.	(36) 151; (38) 53, 556.
treatise, (26) 364, 392; (28) 271, 369, 393, 765, 876; (30) 564; (34) 263. use of "normal" curve of frequency in, (29) 168.	attracting to reservations, (39) 760. attraction and protection, (38) 457. Australian, feeding habits, (29) 756; (30) 454
Biometrical computations, notes, (26) 365. Biometricians, tables for, (32) 362.	Australian, trematodes of, (39) 556.
Biometrics— method of calculating frequencies, (27) 275. statistical theory in, (32) 665.	bibliography, (32) 447, 898. biology, textbook, (38) 94. blood parasites of, (33) 152.
Biomyla electivora n.sp., description, (40) 553.	preeding and rearing in captivity, (33) 1.32.
Biorisator, Lobeck, description, (31) 276. Biosteres— n.spp., descriptions, (26) 152.	British, bibliography, (39) 555. British, feeding habits, treatise, (30) 249. cage, care and feeding, (28) 178.
rhagoletis n.sp., description, (34) 456.	cage, textbook, (30) 696. cecal and liver infections in, (36) 483, 781. census at Washington, D. C., (39) 154.
rhagoletis, notes, (36) 259. sp., parasitic on hud moth, (34) 250. spp., notes, (30) 460.	common— nests and eggs of, (31) 793.
spp., parasitic on fruit flies, (31) 456. Biota orinetalis, wood structure, (27) 147.	of the farm, (28) 853; (32) 648. of town and country, (31) 547.
Biotite— as source of potash, (26) 426; (27) 323, 520; (30)	destruction of grain aphies by, (29) 452 destructive—
as source of potash, (26) 426; (27) 323, 520; (30) 216, 221; (31) 621; (33) 722; (36) 728; (37) 321. fertilizing value, (27) 725; (29) 625; (39) 728.	control, (40) 254. to alfalfa catorpillar, (32) 58. alfalfa weevil, (27) 562; (31) 655.
potash, solubility, (34) 328. Biotypes and phylogeny, discussion, (26) 878. Bipalium kewense in Kentucky, (34) 458.	bagworns, (27) 558. Chinese cotton scale, (26) 556.
Biphosphate, notes, (27) 824.	codling moth, (27) 559. cutworms, (27) 656.
Biporulus bibax, relation to lemon gummosis, (32) 53.	gipsy moth eggs, (27) 355.
Birch— analyses and nutritive value, (35) 164.	leopard moth, (26) 557.
and oak, union of, (33) 343. black knot, notes, (32) 646. borer, bronze, notes, (27) 755; (28) 156, 158, 351.	dipterous parasites of, (36) 359. dissemination of—
borer, bronze, notes, (27) 755; (28) 156, 158, 351, 653; (30) 153, 657; (38) 450, 762; (40) 552. cambium miner, investigations, (30) 855.	gipsy moth by, (28) 656. weed seeds by, (30) 248; (31) 547. domestic, treatisc, (30) 872. domestication, (27) 771. dying around Great Salt Lake, (33) 251.
canker, notes, (28) 446. case-bearer, notes, (40) 551. destructive distillation, (27) 745; (38) 808.	domestication, (27) 771. dying around Great Salt Lake, (33) 251.
destructive distillation, (27) 745; (38) 808. distillation value, (32) 48.	economic, of Labrador, (39) 759.
distillation value, (32) 48. gray, relation to white pine regeneration, (40) 842. leef relies notes (39) 251	economic value, (33) 152, 553. ectoparasites of, (28) 888.
leaf roller, notes, (29) 251. leaf skeletonizer, see Bucculatrix canadensisella. leafhopper, yellow, notes, (40) 57.	effect on reforestation, (29) 545. egg-laying cycles, (37) 869. eggs as affected by low temperature, (26) 452.
lear-mining sawily, notes, (29) 252. leaves extract, composition, (27) 309.	European game, in Indiana, (30) 354. feeding habits, (27) 550, 855; (31) 547; (34) 650.
rust, overwinterng, (39) 553. starch reserve in. (33) 523.	female, secondary male sex characters in, (38)
twig canker, notes, (30) 543. wood, analyses and use as human food, (33) 866. wood ashes, fertilizing value, (26) 427.	fertilization of Antholyza bicolor by, (28) 581. food of, bibliography, (28) 450.
wood dust as a feeding stuff, (36) 563. woods of United States, (30) 46.	game— aquatic and rapacious, relation to man, (27) 355.
yellow, volume tables for, (30) 744. Bird—	introduction into California, (31) 846, of America, (39) 759.
dav	of California, (40) 646. of West Virginia, (38) 356.
in Alabama, (27) 394. in Kentucky, (27) 195. manual, (27) 898; (31) 395, 495; (33) 495. notes, (30) 196.	generic names, lists, (39) 555. geographical variation in. (27) 655.
notes, (30) 196. suggestions for, (31) 792.	handbook, index, (28) 248. hard tendons, (27) 771.
suggestions for, (31) 792. diseases, notes, (22) 279. enomics of tree-hoppers, (39) 860. enemics of white grubs, (40) 547.	homing and related activities, (39) 460. houses, (38) 255, 256. incubation periods, (37) 774.
families, observations on, (27) 95. feathers, utilization in France, (26) 876.	injurious— in Norfolk and Oxfordshire, (40) 255.
guano, fertilizing value, (29) 129. houses and nesting boxes, construction, (34)	of France, book, (26) 452. to ecceputs, (27) 857.
650. houses, construction, (31) 751.	grain crops, (26) 855. grapes, (33) 152.
law, Lacey, notes, (26) 854.	rice, (37) 247.

Birds-Continued.	Birds-Continued.
insect eating, pellets ejected by (31) 452. lessons on, (28) 593; (31) 394.	outline for study of, (33) 697. packing in seaweed, (32) 672. parasites of, (26) 882; (31) 184.
maggot-infested, (10) 351.	parasites of, (26) 882; (31) 184.
migration, (32) 399; (33) 57; (39) 154, 004; (40)	pattern development in, (32) 766. photography, (27) 394.
254, 646. migration in Switzerland, (38) 511.	poisoning in gipsy moth control work, (33) 653.
migration trootice (97) 350	poisoning in gipsy moth control work, (33) 633. propagation, (28) 751. protection, (27) 550.
migratory, protection, (29) 554, 555; (31) 847; (32) 244; (36) 151.	protection, (27) 550. protection, officials and organizations, (28) 55;
mortality during nesting period, (32) 100.	(29) 852.
natural enemies of, (38) 54.	rate of digestion in, (35) 252.
nostling, feeding habits, (28) 450; (38) 457. nestling, parasitism by fly larvae, (40) 647.	red blood corpuscles of, (32) 549. regeneration of testis after experimental orchec-
nests, edible— analyses, (30) 258.	tomy, (30) 266. relation to—
phosphorus content, (27) 461.	agriculture, (33) 695.
phosphorus content, (27) 461. nomenclature, (37) 758; (39) 655; (40) 350, 646. observed near Minco, Oklahoma, (40) 646.	chestnut blight, (29) 754; (31) 57. grasshopper outbreak in California, (28) 371.
of Alabama, (27) 394.	insect outbreak in California, (26) 346.
America, treatise, (38) 652.	mammalian tuberculosis, (36) 81.
of Alabama, (27) 394. America, treatise, (38) 652. Anamba Islands, (38) 556. Arkansas, (26) 58. Australia, food habits, (40) 351. Bawean Island, Java Sea, (39) 154. Ertish Guiana Rotanic Gardens (40) 163.	man, treatise, (36) 152. reproduction in, (37) 772; (40) 664. reproductive organs of, (26) 876.
Australia, food habits, (40) 351.	reproductive organs of, (26) 876. secondary sexual characters, (40) 871.
British Guiana Botanic Gardens, (40) 163.	shedding of stomach lining, (38) 457.
British Isles, list, (35) 355.	shore, future of, (33) 250.
British Isles, treatise, (38) 857. cacao fields and sugar plantations, (31) 648.	song, destruction by aliens, (27) 355. stomach contents, estimating, (39) 760.
California, (31) 846.	stomach examination, (37) 355.
Colombia, treatise, (38) 761. Colorado, history and bibliography, (26) 854.	studies for schools, (31) 792. study of in schools, (29) 193.
Connecticut, notes, (40) 351.	survey at Washington, D. C., (40) 646.
Connecticut, treatise, (30) 454. Culebra Island, Porto Rico, (37) 355.	textbook, (38) 196. treatise, (26) 654; (32) 447; (37) 53; (38) 53, 255,
eastern North America, (30) 151.	treatise, (26) 654; (32) 447; (37) 53; (38) 53, 255, 256; (39) 759.
eastern North America, handbook, (27) 549; (30) 752.	useful, of Minnesota, (32) 753; (40) 254. useful, textbook and guide, (40) 255.
Forrester Island, notes, (40) 351.	value to Texas farmers, (31) 248.
Great Britain, (37) 53. Guiana, (26) 654.	wild, propagation, (35) 52. winter, about Washington, D. C., (39) 860.
India, feeding habits, (27) 52.	winter, nandbook, (40) 204.
India, feeding habits, (27) 52. Indian hills, treatise, (35) 355. island of St. Lucia, (26) 451.	Biscuit weevil, notes, (37) 156. Biscuits—
Isle of Pines, (36) 653.	ermy regines (34) 256
Java Sea islands, (38) 556. Kansas, (30) 752. Laysan Island, (27) 549. Louisiana, agricultural value, (38) 556. Louisiana, insectivorous, (39) 460. lower Colorado Valley, (34) 547. Massachusetts, lits, (27) 452. Massachusetts, rotes, (40) 647. Massachusetts, rotes, (40) 647. Massachusetts, rotes, (40) 647. Massachusetts, rotes, (40) 647.	army, temperature during baking, (29) 856 artificial coloring, (28) 510. examination, (27) 185. Biscutella laevigata, analyses, (33) 466. Bishop, W. H., biographical sketch, (39) 400. Bison—see also Buffaloes.
Laysan Island, (27) 549.	examination, (27) 165.
Louisiana, insectivorous, (39) 460.	Biscutella laevigata, analyses, (33) 466.
lower Colorado Valley, (34) 547.	Bison—see also Buffaloes.
Massachusetts, notes, (40) 647.	americanus hybrids, fertility of, (26) 163.
Massachusetts, treatise, (30) 153.	americanus hybrids, fertility of, (26) 163. europaeus, notes, (27) 371. Bispora molinioides, fixation of nitrogen by, (27)
Minnesota, (38) 155.	225. Biston—
Missouri, notes, (38) 556. New York, treatise, (32) 447.	hirtarius, studies, (34) 63.
North America—	suppressaria, notes, (26) 61. Bittern, little yellow, new subspecies, (39) 860.
check list, (39) 153, 154.	Bitters, judging, (26) 209.
classification, (27) 550. color key, (33) 451. manual, (28) 897.	Bitterweed, toxicity, (38) 883. Bitumens—
migration, (39) 654.	and bituminous rock, production in United
migration, (39) 654. notes, (38) 457; (40) 351.	States, (38) 692. fluid, effect of exposure on, (37) 711.
treatise, (33) 553. North and Middle America, (26) 346; (30)	specifications and definitions, (35) 888.
851; (35) 851. northern New York, guide, (36) 653.	tests, (29) 687. use in road construction, (27) 291.
Onio (29) M	Bituminous—
Ontario, (31) 57. Pennsylvania, (33) 553. Porto Rico, (28) 751; (34) 849; (35) 155. São Paulo, Brazil, (35) 851. South Africa, (26) 552.	aggregates, toughness, (37) 885. materials—
Porto Rico, (28) 751; (34) 849; (35) 155.	for road making, (28) 186; (35) 390. laboratory manual, (36) 586.
South Africa, (26) 552.	methods of examination, (34) 318.
South America, treatise, (37) 758. southeastern United States, (36) 151.	testing, (27) 484; (35) 85. Blaberus discoidalis, notes, (37) 255, 660.
the Americas, catalogue, (39) 759. the orchard, (38) 344.	Black—
the orchard, (38) 344. the Rockies and Pacific coast, handbook, (30)	bean, toxicity, (26) 278. cutworm, see Cutworm, black, and Agrotis.
752.	disease of sheep, studies, (39) 686.
Trinidad and Tobago, (31) 57. Uganda, (26) 654.	flies, see Flies, black, and Simuliidae. head fireworm, see Eudemis vacciniana.
United States, census, (32) 648; (36) 151.	Hills beetle, notes, (26) 561.
Virginia, treatise, (29) 554. Washington, treatise, (37) 558.	knot— biologic forms, (30) 542.
west central Oregon, (38) 255.	description, (30) 750; (31) 151, 449.
West Virginia, (33) 553. West Virginia, food habits, (36) 653.	fungus-host relationship in, (33) 349. notes, (32) 48.
western United States, handbook, (38) 457.	notes, (32) 48. lands of Texas, cropping systems for, (26) 331.

121 A	m. 11 - 6 - 1
'Black—Continued. medic—	Blackleg—Continued.
culture experiments, (40) 136.	diseases resembling, (31) 181. immunization, (26) 578, 676; (27) 81, 577; (31)
culture experiments, (40) 136. liming experiments, (40) 322.	577, 883; (36) 578; (37) 376, 689; (38) 587, 686; (39)
variety tests, (40) 232.	681, 682.
quarter— of cattle and sheep, treatment, (35) 784.	in calves, (26) 483. in pigs, (31) 585; (34) 479.
organism resembling, (26) 883.	in pigs ın Pennsylvania, (34) 276.
root, betains in, (27) 203.	notes, (26) 373; (40) 86, 778.
rot, chlamydospores of, (28) 152. rot of cruciferous plants, studies, (27) 45.	pathological anatomy of, (26) 177. prevalence in Prussia, (27) 181.
sage, oil of, (33) 202.	studies, (26) 883.
scale—see also Lecanium oleae.	toun, concentration, (39) 683.
control by Isaria, (33) 858. in California, (33) 157.	tolin, studies, (40) 884. toxins in, (26) 676.
notes, (27) 155; (30) 853; (32) 56.	treatment, (30) 188, 587; (40) 84.
parasites, importation into California, (30)	vaccine, standardization, (40) 381.
753. parasitism of, (26) 556.	vaccine, use, (30) 180. vaccines, strength and composition, (36) 180.
studies, (26) 554.	Blackseed—
tongue in dogs, (34) 275, 682.	ior lambs, (36) 66.
Blackberries—	for pigs, (36) 68. Blacksmiths Fork, Utah, profile survey, (36) 583- Blacksmithing for farms, (27) 484. Blacksmood Rombey notes (24) 240
acidity, (32) 110; (37) 715. breeding and testing in Minnesota, (40) 148.	Blacksmithing for farms, (27) 484.
	Diack wood, Dolli Day, 110003, (34) 240.
ost of distribution, (29) 492. cost of distribution, (29) 492. crossing experiments, (33) 44. culture, (31) 441; (32) 141, 630; (34) 42; (38) 246, 643; (39) 242.	Blady grass, analyses, (27) 68. Blapstinus pimalis, notes, (33) 746.
culture, (31) 441; (32) 141, 639; (34) 42; (38) 246,	Blarina brevicauda, feeding habits, (32) 54.
643; (39) 242.	Blast furnace—
culture experiments, (28) 436; (38) 41. extracted, sale, (28) 661.	dust, see Flue dust, gases, loss of potash in, (37) 630.
fertilizer experiments, (26) 31; (28) 325; (34) 294;	notesh from. (36) 625; (39) 118, 121, 625; (40) 128.
(36) 121; (38) 218.	slag as concrete aggregate, (39) 87.
for home and commercial planting, (33) 537. Himalaya, notes, (28) 840.	slag as concrete aggregate, (39) 87. slag, fertilizing value, (37) 126. slag for acid soils, (36) 728.
inoculation experiments with brown rot fungus,	(Blastobasis) Holcocera iceryaeella, notes, (36) 56.
(33) 247.	Blastogenic characters, inheritance of, (28) 531.
insects affecting, (28) 852.	Blastomycosis— and tuberculosis, (39) 187.
irrigation experiments, (33) 683. picking and packing, (33) 47.	cutaneous, in horses, (39) 291.
picking and packing, (33) 47. preservation by pressure, (32) 416.	hepatic, in geese, (29) 83.
respiration in gases, (29) 135, 538. sprayed, arsenic on, (38) 55.	in California, (40) 264.
grapility in (3R) 444	nota n.sp., description, (30) 55.
training, (33) 47; (40) 743.	Blastothrix britannica, studies, (40) 651.
utilization, (40) 268. varieties, (28) 542; (37) 243; (38) 246, 643.	Blastula as affected by spermatozoids, (29) 66. Blatella germanica—
varietics in Oklahoma, (27) 241.	as a factor in bacterial dissemination, (30) 250.
variety tosts, (32) 141.	destruction, (38) 558.
Blackberry— anthracnose, treatment, (83) 54, 98; (34) 445.	Blattidae— of North America, (38) 258,
bud moth, notes, (28) 855.	physiology of digestion, (38) 558; (39) 558.
crown gall, notes, (31) 644.	Blau gas for small lighting plants, (28) 788.
crown gall, studies, (35) 550. diseases, notes, (28) 352; (87) 52; (39) 652; (40)	Bleaching powder—
158.	disinfection of water by, (34) 885.
diseases, treatment, (28) 748.	for use in hot countries, (40) 413. stabilization, (40) 801.
double blossom, investigations, (26) 850. juice, preparation, (33) 316.	use against fly larvae, (34) 160.
leaf roller, notes, (28) 156.	Blepharis edulis analyses and digestibility, (27)
leafhoppers, remedies, (28) 555.	871; (32) 167.
Logan, culture, (40) 150. orange rust, notes, (32) 48.	Blopharocalyx giganten— oil from, (38) 714.
orange rust, studies, (37) 457.	turpentine-like essence from, (38) 447.
root borer, giant, notes, (40) 158. rust, notes, (40) 53.	Blepharocorys equi n.sp., notes, (34) 783.
rusts, notes and treatment, (29) 50.	Blepharoptera serrata, hibernation, (34) 254. Blepharospora cambivora n.sp., studies, (39) 554.
wine, preparation, (27) 412.	Bletia hyacinthina, glycogen content, (27) 133.
Blackbird— Brewer, destruction of locusts by, (28) 351.	Blight, insect carriers of, (34) 648.
red-winged, environment, life history, and ecol-	Blights, horsehair, notes, (35) 244. Blind staggers in horses, (27) 599.
ogy, (32) 151. Blackbirds, feeding habits, (28) 450.	Blissus leucopterus, see Chinch bug.
Blackboys of South Australia, (37) 548.	Blister beetles—
Black-eyed Susan, variation in, (27) 741.	ash-gray, notes, (38) 358.
Blackhead—	injurious to potatoes, (33) 352. notes, (27) 53, 452; (28) 351, 653, 654, 752; (29) 252;
fireworm, see Eudemis vacciniana. in turkeys. (26) 186, 384, 487, 588; (29) 273; (30)	notes, (27) 53, 452; (28) 351, 653, 654, 752; (29) 252; (33) 746.
586; (31) 79; (32) 481; (34) 275, 583; (36) 179, 384,	of Mexico, (30) 757.
in turkeys, (20) 186, 384, 487, 588; (29) 273; (30) 586; (31) 79; (82) 481; (34) 275, 583; (36) 179, 384, 484; (37) 280, 383, 384.	Say's, notes, (28) 158. Blister mite—
in turkeys, etiology, (35) 683. Blackleaf 40—	notes, (26) 147.
insecticidal value, (34) 147.	prevalence in apple orchards, (26) 541. Bloat in cattle, treatment, (33) 388, 698; (34) 581.
tests, (40) 161.	Bloater paste, creatinin content, (31) 760.
Blackleg — atypical, in United States, (34) 276.	Blood—
bacilius and B. welchii, resemblance, (38) 587.	agar for streptococci, (40) 881.
bacillus, investigations, (31) 579.	agglutinating capacity and complement fixing power, (28) 375.
control in Kentucky, (39) 679. diagnosis. (27) 182; (29) 882; (31) 181, 878.	albumin, digestibility, (87) 673.

```
Blood-Continued.
Blood—Continued
                                                                                                                                                                                                       marginal points in, (33) 478.
             od—Continued.
albumin-globulin ratio in experimental intoxications and infections, (37) 375.
anaplasma-like bodies in, (33) 782.
and bone meal, analyses, (36) 765.
and lymph, amino nitrogen and glucose in, (39) 670.
antithrombin in, (33) 280.
                                                                                                                                                                                                                    nl—acidity, (35) 770.

ammonification and nitrification under laboratory conditions, (30) 218.

analyses, (26) 207, 362, 468, 567, 568; (27) 774; (29) 367; (30) 67, 169, 565; (31) 168, 864; (32) 667; (33) 568, 870; (34) 467; (35) 562; (36) 167, 268; (38) 67, 369; (39) 270; (40) 72. composition and feeding value, (36) 369.

directibility (26) 567.
              as affected by
             as anched by—
muscular work, (32) 765.
nuclein, (26) 482; (27) 577.
underfeeding, (26) 360.
bacteria, elmination through intestinal wall,
(33) 84.
hostoricidal action (10) 200
                                                                                                                                                                                                     (36) 167, 268; (38) 67, 369; (39) 270; (40) 72. composition and feeding value, (36) 369. digestibility, (26) 567. fertilizing value, (34) 24; (35) 126; (38) 422. iron-containing, effect on animals, (29) 671 methods of analysis, (29) 311. nitrogen content after feeding, (35) 863. nitrogen, nonprotein, estimation, (39) 111. of animals as affected by castration, (26) 83. Australian animals, (36) 879. cows in tick-infested regions, (26) 382. domestic animals, pathology, (38) 481. fowls affected with leukemia, (29) 285. fowls, sexual differences, (37) 773. insects, studies, (28) 853. laboratory animals, morphology, (28) 777. normal and cholera-infected hogs, (32) 582. pigs, morphology, (37) 380, 381. slaughtered animals as human food, (34) 459. steers, composition, (27) 499. transfused rabbits, agglutinating principle in, (39) 584. tuberculous animals, cell content, (28) 283. various species, amino-acid nitrogen in, (37) 206. origin and significance of animonia in, (26) 870. parasites of animals, (33) 152. pigment and chlorophyll, relation, (32) 711.
             (35) 54.
bacterioidal action, (40) 286.
bacteriology, (27) 284.
bread, analyses, (33) 805.
carabao, studies, (27) 785.
catalase, studies, (40) 364, 365, 766.
             cells-
                           antigenic property, (40) 380.
biology of, treatise, (32) 874.
of healthy and sick fowls and pigeons, (31)
                                  586.
                           structural transformations, (31) 876.
             due to method of slaughter, (34) 372.
during fasting, (30) 867.
induced by feeding, (28) 362.
charcoal as purifying agent for arsenic solutions,
                       (33) 110.
               chlorids, determination, (39) 207, 807.
               cholesterol-
                           resteror—
content, (31) 465.
determination, (39) 716; (40) 15.
studies, (40) 767.
                                                                                                                                                                                                        parasites of animals, (33) 152.
pigment and chlorophyll, relation, (32) 711
               circulating-
                            Hatting—
effect of secretin on, (39) 285.
tubercle bacilli in, (26) 281; (27) 480; (29) 480;
(30) 581, 683, 783; (32) 476.
                                                                                                                                                                                                        plasma and serum, rotation in various animals,
                                                                                                                                                                                                                (29) 881.
                                                                                                                                                                                                        plasma chlorids, determination, (39) 807; (40)
               circulation-
                                                                                                                                                                                                        precipitin test, (39) 207.
preparations, immune, making, (31) 479.
preservation with formalin, (29) 676.
                            in man at high altitudes, (33) 366. influence of fodin and sodium fodid on, (40)
               clot, action of chlorinated antiseptics on, (40)
                                                                                                                                                                                                         pressure
                                                                                                                                                                                                                      as affected by physical and mental fatigue
              clotting, prevention by hypochlorite solution, (40) 182. coagulation, (37) 177.
                                                                                                                                                                                                                             (32) 664.
                                                                                                                                                                                                       (32) 664.
raising, (36) 677.
treatise, (32) 371.
proteins, studies, (36) 778; (37) 375; (39) 388.
purin content, (40) 205.
reaction of different animal species, (35) 880.
reactions, heredity of, (29) 167.
rôle in fat metabolism, (39) 671.
              coagulation—
as affected by Ascarls equorum (28) 279.
by sodium nucleinate, (33) 177.
relation to anaphylaxis, (40) 380.
composition as affected by dextrose absorption,
                                                                                                                                                                                                        rote in fat metabolism, (39) 671.
samples, collecting and preserving, (36) 82.
serum, action on—
cane sugar, (34) 675.
protein of other animal species, (37) 478.
sucrose, (35) 483.
                       (28) 867.
                constituents
                            morphological, (30) 201.
reproduction in immunized horse, (29) 682
                corpuscles-
               as affected by poisonous funci, (30) 879.
formalinized, use in complement fixation
test, (30) 779.
count of cattle at different altitudes, (31) 679.
creatin and creatinin in, (40) 274, 765.
                                                                                                                                                                                                         serum-
                                                                                                                                                                                                                      agglutinins for Micrococcus melitensis in,
                                                                                                                                                                                                                      (32) 876.
albumin and globulin fractions, (36) 13.
antitryptic power, diagnostic value, (29)
              creatin and creatinin in, (40) 274, 705.
creatin content, determination, (39) 806.
cryoscopy of, (28) 262.
culture media from, (38) 676; (37) 220.
determination of—
fat-cleaving action of, (33) 310.
phosphoric acid in, (40) 16.
potassium in, (40) 116.
urea in, (40) 207.
uric acid in, (40) 16.
diseases and distrubances, (32) 78.
distribution of phosphoric acid in, (40) 176.
dried, see Dried blood.
examination in glanders, (34) 81.
examination in urine, (30) 201.
fat and sugar content as affected by hydrazin, (36) 164.
                                                                                                                                                                                                                      477.
determination of nonprotein nitrogen in, (40), 310.
fertilizing and cytolyzing substance in, (26)
                                                                                                                                                                                                                     877,
hemolysins of, (32) 78.
method of obtaining, (38) 181.
of cows ummunized against tuberculosis,
                                                                                                                                                                                                        of cows immunized against tubert
(33) 181.
of different animals, (35) 372.
primary toxicity, (37) 581.
refraction coefficient, (32) 778.
yellow pigments of, (31) 274, (32) 18.
spectrophotometry of, (29) 408.
             (36) 164.

content, (28) 67.
of anemic dogs, (33) 583.
studies, (34) 562, 563; (35) 166.
feeding value, (34) 865.
fermented, use in bread making, (40) 461.
flour, analyses, (29) 467; (33) 371.
fluids, rôle in digestion of bacteria and red blood corpuscles, (36) 379.
iron content, determination, (39) 507.
                        (36) 164.
                                                                                                                                                                                                          sugar-
                                                                                                                                                                                                                       as affected by diet, (34) 562; (37) 64.
determination, (39) 112, 611; (40) 116, 310,
                                                                                                                                                                                                                              713.
                                                                                                                                                                                                         713.
dialysis, (39) 671.
treatise, (31) 277.
transfusion, use of sodium acetate in, (39) 585.
tubercle bacilli in, (31) 83.
work, treatise, (28) 174.
worms, notes, (28) 158.
```

Blossom fly, notes, (32) 651.	Body-
Blossoms, pollinated, protection, (34) 40. Blow flies—see also Calliphora spp.	composition, relation to diet and growth, (36, 663.
life history and remedies, (37) 853. notes, (26) 147.	fluids, methods of ash analysis, (32) 114. heat, elimination, (35) 768.
remedies, (34) 359. review of investigations, (29) 656.	secretion and fluids, man and animal, treatise
studies, (33) 157; (37) 665.	(26) 160.
Blow fly—	surface— and heat production, relation, (36) 64.
larvae, reaction to light, (36) 256. queen, life history, (30) 656.	measurement in man, (34) 68; (36) 64.
Blue grass—	relation to gaseous exchange, (28) 263.
analyses, (27) 68; (32) 171.	determination, (26) 466.
as affected by companion crop of clover, (37) 438.	rise during marching, (26) 566.
as forage crop. (31) 829.	variations in, (32) 564.
Australian, culture experiments, (30) 632. billbug, control, (40) 655.	tissues and fluids, salts of, (36) 804. weight and length, relation, (40) 872.
composition and digestibility, (36) 469.	weight, variations in different seasons, (31) 661.
culture experiments, (29) 631; (32) 431, 528; (33) 33.	Bochmeria utilis as affected by tobacco smoke, (26) 230.
culture in Kansas, (40) 330.	Boengkil, iertilizing value, (37) 123.
fertilizer experiments, (40) 723. growth on volcanic ash, (32) 36.	Boerhavia pentandra, analyses and digestibility, (27) 871; (32) 167.
growth with legumes, (33) 527.	Boettcheria n.g. and n.spp, descriptions, (33) 158.
hav, ash analyses. (29) 861.	Bog— land, reclamation, (35) 215.
history in United States, (36) 529. in pasture mixtures, (39) 130.	soils and moss, fertilizer experiments. (40) 135.
irrigation experiments, (52) 224.	soils and moss, water table and root growth in (40) 211.
Kentucky— culture experiments, (28) 431.	soils, reclamation, (35) 215.
culture in the Ozarks, (29) 427.	water, effect on— plants, (28) 733.
seeding experiments on ranges, (29) 531. liming experiments, (38) 219.	plants and blocolloids, (40) 520.
liming experiments, (38) 219. palatability, (34) 865. pasture for lambs, (40) 569.	Tradescantia root hairs, (29) 523.
pastures, management, (31) 37.	water, toxicity, (36) 320; (37) 27. Bogeria scudderi n.sp., description, (37) 565.
pastures, value of, (35) 868.	Boiler— compounds, notes, (30) 620.
root systems of, (35) 639. Selerotium disease, (39) 753.	laws in United States and Canada, (34) 588.
seed-	tests, conducting, (31) 590. Boilers—
adulteration and misbranding, (27) 141; (29)	house heating, tests, (31) 489.
germination tests, (30) 437.	steam, repairing, (34) 890. Bolacothrips sp., notes, (28) 452.
harvesting and curing, (34) 830. inheritance of germinability, (31) 834.	Bolax sp. (?) on hamboo, (32) 352.
resistance to desiccation, (40) 40.	Boletus— edulis—
viability and germinability, (34) 630, 829.	composition, (30) 804.
seeding on ranges, (30) 35. Texas, culture in Hawaii, (32) 729.	effect on red blood corpuscles, (30) 879. harmful effects of, (31) 558.
Texas, culture under irrigation, (33) 228. yields, (40) 733.	histidin betain in, (31) 203.
Blue-gum-	nitrogenous constituents of, (28) 501. scaber fuscus n.sp., description, (31) 127.
oil industry in Nilgiris (38) 8.	spp. on tree roots, (81) 130.
plantations of Nilgiris, (29) 443 yield in California, (28) 239.	Bolitophila cincrea, notes (33) 253. Boll weevil, see Cotton boll weevil.
Blue—	Bollworm, see Cotton bollworm.
joint, Sclerotium disease affecting, (27) 150. lettuce, eradication, (40) 430.	Bolly refuse, feeding value, (40) 366. Bologna, detecting horse meat in, (28) 615.
pine bark borer, notes, (26) 351.	Bolometer, description, (30) 368.
tongue, immunization, (33) 384.	Bolts, charts for estimating strength, (35) 87. Bomb—
Blueberries— breeding experiments, (33) 637; (35) 647; (36) 443.	calorimeter, adiabatic device for, (34) 168.
canned, examination, (38) 166. culture, (29) 148; (34) 534; (36) 641; (38) 43. culture experiments, (35) 647; (39) 47, 347.	calorimeter, construction and operation, (27, 667.
culture experiments, (35) 647; (39) 47, 347.	calorimetry, corrections in, (33) 265.
desiceation, (32) 117.	Bombias henshawi n.sp., description, (28) 758. Bombidae—
dried, analyses, (36) 502. infection with apple maggot, (32) 350.	notes, (34) 362.
insects affecting, (34) 851. wild, taming, (35) 744.	of the New World, (28) 758; (30) 59, 754. Bombus—
wood structure, (39) 243.	auricomus, life history, (38) 564; (40) 170.
Blueberry—	n.spp., descriptions, (28) 758. nesting habits. (40) 655.
flea-beetle, studies, (40) 357. wine, preparation, (27) 412.	nesting habits, (40) 655. paper on, (38) 256.
Bluebirds—	spp., parasites of, (28) 562. spp., pollination of red clover by, (27) 359.
economic importance, (31) 349.	spp., pollination of red clover by, (27) 359. Bombyeilla garrula, synopsis of races, (40) 351.
cconomic importance, (31) 349. feeding habits, (32) 648. Bluestone, dosage for sheep, (27) 683; (28) 82.	Bombycine moths of North America, monograph (32) 850.
Bluctop grass, culture and use, (33) 632. Bluets as affected by top dressing, (26) 40.	Bombycomorpha—
Bines as affected by top dressing, (26) 40.	bifascin, larval habit, (31) 752. bifascin, notes, (28) 557.
Blue-violet rays, notes, (32) 429. Blumea balsamifera, distillation, (27) 210.	pallida, notes, (36) 654.
Boars, wild, susceptibility to infectious bulbar paralysis, (33) 179.	Bombyx mori, see Silk worm. Bomsa umbellus—
Bobolink as a conveyer of Mollusca, (30) 851.	coccidiosis in, (26) 187.
Bobwhite, food habits, (39) 860.	notes, (27) 355.

Bonavist, notes, (26) 362.	Books on-
Bone—	agaves, (33) 131.
amount of in meat animals, (31) 564.	agrarian matters, (29) 391.
analyses, (29) 626; (31) 624, (37) 268. ash, feeding value, (40) 371.	agrarian system in England, (32) 793:
boiled, use on pustures, (26) 437.	agrarianism, (31) 93.
char, analyses, (38) 626.	agricultural— and forest products in British West Africa
charcoal, fertilizing value, (31) 130. charcoal, methods of analysis, (31) 806.	(26) 189.
chewing disease, notes, (32) 374.	arithmetic, (30) 197, 795; (36) 597.
chewing disease, notes, (32) 374. chop, analyses. (36) 765. cracked, analyses, (29) 769; (34) 371; (35) 373. degelatinized, fertilizing value, (38) 527; (39) 625. dissolved, fertilizing value, (38) 527; (39) 625. dust the following value, (37) 227; (39) 625.	associations of Mohammedans of Maghreb (30) 593.
cracked, analyses, (29) 769; (34) 371; (35) 373.	bacteriology, (30) 631
dissolved, fertilizing value, (38) 527: (39) 625.	bacteriology, (30) 631 chemistry, (27) 109. colleges, (86) 791.
dust, fertilizing value, (27) 337; (31) 139; (38)	commerce (34) 595
519.	commerce in France, (31) 596.
effect of calcium nourishment on, (32) 465, 764. feeds, analyses, (38) 369.	cooperation, (26) 92; (28) 487, 790; (29) 89
fertilizing value, (29) 129; (35) 219.	792: (33) 694: (38) 190 191
flour, steamed, fertilizing value, (27) 535.	colleges, (36) 791, commerce, (34) 595. commerce in France, (31) 596. commerce in France, (31) 596. cooperation, (26) 92; (28) 487, 790; (29) 86 188, 595; (30) 191, 693; (31) 389, 593; (32 792; (33) 694; (38) 190, 191. cooperation in Denmark, (40) 689. credit, (26) 594; (28) 389; (32) 892; (33) 294 393, 787; (34) 595, 894; (37) 301, 588. development policy of British Empire, (40 686.
granulated— analyses, (31) 569: (36) 268, 765: (38) 368	credit, (26) 594; (28) 389; (32) 892; (33) 294
analyses, (31) 569; (36) 268, 765; (38) 368. for fowls, (31) 569.	development policy of British Empire (40)
	686.
analyses, (26) 568, 819; (29) 367; (31) 126; (35) 128; (30) 268; (37) 219; (38) 369. effect on soil acidity, (28) 137. fertilizing value, (33) 722; (37) 626. for pig feeding, (40) 772. nitrification of (31) 724. growth, abnormal, in absence of functioning testicles (24) 471.	drafting, (30) 490.
effect on soil acidity, (28) 137.	drawing and design, (34) 487, 598. education, (27) 898.
fertilizing value, (33) 722; (37) 626.	education for teachers, (32) 897.
nitrification of (31) 724	education in United States and Canada
growth, abnormal, in absence of functioning	(34) 291.
testicles, (26) 471. growth as affected by food poor in phosphorus,	engineering, (29) 484; (33) 681. facts and figures, (35) 899.
(31) 69.	holdings, (28) 790. Holdings Acts of Great Britain, (39) 89.
manures, fertilizing value, (29) 737.	holdings in England, (28) 189; (40) 889.
Meal—	nydraulics, (33) 390.
analyses, (26) 325, 362, 665; (27) 872; (28) 265, 364, 523, 627; (29) 769; (30) 67, 565; (31) 366, 663; (32) 169, 259; (33) 568; (34)	improvement in England, (38) 90.
(31) 366, 663; (32) 169, 259; (83) 568; (34)	instruction, (25) 690
203, 371, 467, 665; (35) 374, 867; (36) 667; (87) 471: (38) 67: (40) 571	instruction in Haiti, (40) 690.
263, 871, 467, 665; (35) 374, 867; (36) 667; (87) 471; (38) 67; (40) 571. as affected by calcium carbonate, (26) 428,	institutions, (22) 690 instruction, (31) 691. instruction in Haiti, (40) 690. insurance in France, (37) 888. labor in Great Britain, (32) 285.
availability as affected by fineness, (32) 125. decomposition by Streptothrix, (27) 620. effect on composition of bone, (33) 171. fertilizing value, (26) 426; (27) 337, 639, 835; (28) 42, 816; (29) 319, 415, 519, 829; (30) 25, 230, 721, 839; (31) 518, 820; (33) 131; (35) 220, 029; (36) 425; (37) 743; (38) 217, 517, 519, 527, 619; (39) 25, 127, 438, 625, 814	laborers in Belgium, (33) 92. legislation, (31) 293; (36) 393; (38) 493. legislation, international, (33) 191. machinery, (27) 387; (28) 290; (30) 892; (35) 494; (38) 492.
effect on composition of bone, (33) 171.	legislation, international, (33) 191.
(28) 42, 816: (29) 319, 418, 519, 829; (30)	machinery, (27) 387; (28) 290; (30) 892; (35)
25, 230, 721, 839; (31) 518, 820; (33) 131;	494; (38) 492. organization, (28) 689. politics in Great Britain, (34) 289. possibilities in Missouri, (31) 789. possibilities in United States and Western Canada, (29) 596. problems in England, (28) 387. products, commerce in, (29) 293.
(35) 220, 629; (36) 425; (37) 743; (38) 217,	politics in Great Britain, (34) 289.
	possibilities in Missouri, (31) 789.
for moor soils, (39) 438. steamed, fertilizing value, (34) 219, 519; (39) 220; (40) 218.	Canada, (29) 596.
220: (40) 218.	problems in England, (28) 387.
steamed, for arid soils, (34) 621; (36) 726.	products, commerce in, (29) 293. products, marketing, (34) 893.
sterilized, detection, (27) 812.	
utilization by outs and lupines. (31) 733.	resources of Onited States, (33) 490.
steamed, for arid soils, (34) 621; (36) 726. sterilized, detection, (27) 812. use on peat soils, (37) 132. utilization by outs and lupines, (31) 733. utilization in different soils, (30) 221.	settlement, intensive, in castern Prussia (30) 692.
nutrition and growth of, (30) 366. pathogenic disturbance due to phosphorus de-	statistics, international, (33) 295.
ficiency, (32) 561.	surveying, (30) 888.
precipitate, fertilizing value, (26) 622.	surveying, (30) 888. teaching, (39) 691. words, (27) 393.
products, analyses, (35) 562. products and manures, handbook, (30) 221.	agriculture, (26) 94, 189, 191, 297, 391; (27) 598,
residual effects, (37) 23.	897; (28) 298, 387, 392, 393, 690, 826, 897; (29)
steamed and unsteamed, fertilizing value, (30)	(33) 494, 791, 793; (34) 689; (35) 30, 92; (36)
unsteamed, importance of grinding, (30) 126.	agriculture, (26) 94, 159, 191, 297, 301; (27) 508, 897; (28) 288, 387, 392, 393, 690, 826, 807; (29) 504; (30) 195, 692; (31) 494; (32) 131, 290, 429; (33) 494, 791, 793; (34) 689; (35) 30, 92; (30) 394; (37) 728, 795, 888; (38) 496, 899; (39) 898;
Boneblack-	
dissolved, effect on soil acidity, (28) 137. dissolved, fertilizing value, (33) 723; (35) 220; (37) 626; (39) 25.	agriculture— and preparedness, (37) 389
dissolved, fertilizing value, (33) 723; (35) 220;	elementary, (29) 93, 193, 298; (30) 196, 496,
(37) 626; (39) 25.	and preparedness, (37) 389. elementary, (29) 93, 193, 298; (30) 196, 496, 597, 598, 695, 795; (31) 196, 693; (33) 95, 297, 597, 898; (34) 93, 196, 305, 498, 598, (36)
Bones—	596, 692; (39) 692; (40) 795.
breaking strength, (28) 271. chemistry of, (28) 201.	597, 898; (34) 93, 196, 395, 493, 598; (36) 596, 692; (39) 692; (40) 795. in Belgian Kongo, (31) 789; (40) 390, 392.
export from India, (33) 327.	Berkshire, (40) 590. Brazil, (26) 189.
chemistry of, (23) 201. export from India, (33) 327. purin content, (44) 205. use as human food, (34) 559.	California, (35) 194.
Domio, Sait pickled, analyses, (28) 109.	China, Korea, and Japan, (27) 518.
Book lice, furnigation, (39) 161.	Cuba, (40) 194. England, (28) 488, 689; (31) 94.
Bookkeeping— for farmers (28) 505: (27) 704: (28) 101: (20) 702.	England and Wales, (36) 789.
for farmers, (26) 595; (27) 794; (28) 191; (30) 793; (31) 293, 299; (32) 893; (33) 92, 893. principles of, (32) 494. taxbook, (29) 792.	France, (40) 590.
principles of, (32) 494.	France, in war time, (38) 90. French colonies, (40) 590.
taxtbook, (29) 792. Books, insects affecting, (26) 354; (28) 159.	Germany, (29) 896; (30) 594.
	Germany and France, (28) 203

Books on-Continued.	Books on—Continued.
agriculture—continued.	bacterial cell, (27) 476; (28) 425. bacterialogy, (26) 174, 882; (27) 76, 329, 423; (28)
(39) 592; (40) 589, 790.	bacteriology, (26) 174, 882; (27) 76, 329, 423; (28) 332, 675; (31) 177; (32) 33, 371, 577; (34) 876; (36) 130, 177; (39) 283, 430.
in Great Britain, (30) 297; (37) 291, 595, 697; (39) 592; (40) 889, 790. India, (34) 95; (40) 823. Morocco, (40) 791.	130, 177; (39) 283, 430.
Morocco, (40) 791.	bacteriology—
New Jersey, (31) 196. northern Africa, (31) 789.	agricultural, (35) 328; (39) 430, and diagnosis, (31) 376.
relation to European war, (33) 93.	and vaccine therapy, (31) 875.
Russia, (30) 896.	applied, (40) 577.
South America and Western Europe,	blood work, and animal parasitology, (36)
(31) 895. the South, (40) 897.	574. household, (29) 298.
tropical America, (31) 595.	of food and water, (32) 311.
Tunis, (31) 492. United States, (32) 891.	of water, (29) 814.
United States, (32) 891.	of water, (29) 814. bakeries, (26) 762. bananas, (30) 741.
of Indo-Germanic people, (27) 691.	banking reform in United States, (28) 191.
substances important in, (40) 801. tropical, (30) 395; (32) 227; (33) 397; (35) 896;	harlay (30) 230
(40) 622.	bases, natural, (32) 201. beekeeping, (26) 253; (28) 257; (29) 57; (33) 563; (36) 168; (37) 568, 769; (38) 164, 364, 564; (39) 768; (40) 264, 358 bees, (26) 658; (27) 759; (34) 362, 556, 657. bees, embryology, (34) 362.
agronomy, (34) 598. air, water, and food sanitation, (33) 258. alcohol production by yeast, (29) 714. alfalfa, (28) 737; (31) 831; (32) 828.	beekeeping, (26) 253; (28) 257; (29) 57; (33) 563;
air, water, and food sanitation, (33) 258.	768 (40) 964 358
alfalfa. (28) 737: (31) 831: (32) 828.	bees. (26) 658; (27) 759; (34) 362, 556, 657.
	bees, embryology, (34) 362.
Alpine flowers, (26) 139. anaphylaxis, (31) 277. anatomy, (28) 178, 668.	bees, wild, (35) 468. beet sugar, (28) 413.
anaphylaxis, (31) 277.	beet Sugar, (28) 413.
anatomy, (28) 178, 668. anatomy of domestic animals, (30) 276; (32) 78.	beetles, (40) 552. beriberi, (32) 858; (33) 365.
anatomy of the horse, (32) 278, 682.	beverages, (28) 163, 505.
anatomy of the horse, (32) 278, 682. anatomy, pathologic, (27) 576; (31) 276.	beverages and vinegars, homemade, (40) 116.
anestnesia and narcosis of animais and birds,	biochemical catalysts, (38) 611. biochemical methods, (27) 107.
(35) 379. animal—	biochemistry, (26) 106, 306; (28) 201, 607; (29)
breeding, (26) 573; (27) 469; (28) 68, 271, 795;	biochemistry, (26) 106, 306; (28) 201, 607; (29) 201, 408; (30) 201, 310, 707, 801; (34) 607; (35) 8;
breeding, (26) 573; (27) 469; (28) 68, 271, 795; (33) 71, 168, 267; (36) 667.	(30) 807
castration, (32) 578.	biology, (26) 364, 392, 393; (27) 754; (28) 271, 369, 393, 765, 876; (30) 564.
communities in temperate America, (32)	biology and its makers, (34) 263.
549. diseases, (26) 82, 481, 677; (27) 77, 679; (28)	biology, general and medical, (37) 76.
diseases, (26) 82, 481, 677; (27) 77, 679; (28) 778; (29) 880; (32) 371, 874; (35) 379; (36) 477, 478; (37) 876; (40) 778.	bird migration, (27) 550.
477, 478; (37) 876; (40) 778.	birds, (2b) 393, 654; (32) 447; (37) 53, 558, 758; (38) 53, 94, 196, 255, 256; (39) 759; (40) 254, 255.
ecology, (30) 454 enemies of agricultural plants, (32) 752.	birds—
experimentation and medical progress,	cage, (30) 696.
(33) 876.	domestic, (30) 872.
feeding, (31) 468. heat and bio-energetics, (26) 265.	game, of California, (40) 646. in captivity, (33) 152.
husbandry, (29) 570, 598.	in relation to man, (36) 152.
husbandry, (29) 570, 598. micrology, (37) 155. morphology, (38) 572. nutrition, (30) 67. parssites, (27) 779; (31) 478, 576.	injurious, of France, (26) 452.
morphology, (38) 572.	of America, (38) 652. British Isles, (35) 355; (38) 857. British Isles, feeding habits, (30) 249.
nutrition, (30) 67.	British Isles, feeding habits, (30) 249.
parasites and diseases, (32) 79.	Colombia, (38) 761.
parasites and human disease, (39) 582.	Colombia, (38) 761. Colorado, (26) 854.
parasites of man, (36) 152, 354. posts and plant diseases, (28) 752.	Connecticut, (30) 454.
pests and plant discuses, (28) 752.	eastern North America, (27) 549; (36) 151
production, (35) 167. animals, (27) 452, 492.	Indian hills, (35) 355. Massachusetts, (27) 452; (30) 153.
animals—	Michigan, (27) 549.
color disguise in, (26) 246.	North America, (28) 897; (30) 752; (33
domestic, (20) 165; (32) 494. domestic, feeding, (36) 597, 666. domestic, in health and disease, (32) 874.	451, 553. North and Middle America, (30) 851
domestic, in health and disease, (32) 874.	(35) 851.
of America, (27) 855. wanderings of, (31) 57. wild, of North America, (35) 354; (40) 646. wild, of the world, (30) 859.	northern New York, (36) 653.
wanderings of, (31) 57.	Virginia, (29) 554. wostern United States, (38) 457.
wild of the world (30) 859	wild, propagation, (35) 52.
anthogyanin pigments of plants, (37) 633.	wild, propagation, (35) 52. bituminous materials, (36) 586. blood cells, biology of, (32) 874.
anthoeyanin pigments of plants, (37) 633. antiseptics, (39) 184. ants of Great Britain, (35) 262. apple diseases and posts, (30) 642. apples, (27) 538; (34) 342. apples and pears, (28) 45.	blood cells, biology of, (32) 874.
ants of Great Britain, (35) 262.	blood pressure, (32) 371. blood sugar, (31) 277. blood work, (26) 174.
apple diseases and pests, (50) 0*2.	blood work. (26) 174.
apples and pears, (26) 45.	body secretions and nuids of man and animals
apples, German varieties, (31) 46.	(26) 160.
apples, Gorman varieties, (31) 46. apples, household use, (40) 173. arachnids, (33) 553. Arbor Day, (27) 598.	bone products and manures, (30) 221.
Arbor Day. (27) 598.	botany, (26) 227, 596; (27) 328, 423; (28) 435, 820 (30) 428, 520; (31) 425; (32) 219, 520; (33) 27 (36) 429; (37) 220, 818; (38) 728; (39) 222.
arboriculture, (33) 537.	(36) 429; (37) 220, 818; (38) 728; (39) 222.
arboriculture, (33) 537. arithmetic, (37) 95, 297, 598.	
8.SSeS. (31) 470.	bread, (27) 267; (29) 361, 680. bread and bread cereals, (32) 659. bread making, (26) 357; (31) 657, 855; (37) 165. bridge foundations, (35) 686.
asters, (28) 438. atmospheric circulation and radiation, (34) 414.	bread making, (26) 357; (31) 657, 855; (37) 165.
Audubon, the naturalist, (39) 654.	bridge foundations, (35) 686.
bacteria, (29) 422; (31) 80.	
bacteria— and protozoa, (28) 78.	and culverts, concrete, (35) 390. concrete, (36) 285. reinforced concrete, (30) 788. broom corn culture, (29) 787. by 181 by and construction methods (29) 38
in relation to plant diseases, (27) 44: (31) 745.	reinforced concrete, (30) 788.
nitrogen collecting, (29) 824.	broom corn culture, (29) 737.
yeasts, and molds, (27) 727.	building and construction methods, (29) 86

Books on- Continued.	Books on-Continued.
building construction, (31) 386. bulbs (36) 337; (31) 743; (32) 143; (35) 450; (36) 643.	chemicals, (38) 810. chemistry, (27) 107, 205, 806; (28) 407; (29) 792, 801; (30) 309, 310, 610, 695, 707; (32) 801; (34) 407, 599; (35) 8, (37) 108; (39) 8, 501, 607; (40) 10, 109, 308, 408, 709, 801.
bulbs, (28) 337; (31) 743; (32) 143; (35) 450; (36) 643. bumblebees, (28) 562.	801; (30) 309, 310, 610, 695, 707; (32) 801; (34)
Burbank, Luther, (31) 440; (37) 342. Burbank's plant breeding work, (32) 143.	109, 308, 408, 709, 801.
butter, (31) 468; (40) 283.	chemistry— agricultural, (30) 10, 309, (32) 501; (35) 501;
butter, (31) 46%; (40) 283. butter industry in United States, (35) 278. butter making, (26) 275, 778; (38) 281. butter making on the farm, (33) 577; (37) 175. butterflies, (27) 558; (34) 552; (38) 260. butterflies and moths, (37) 358. butterflies of Australia, (34) 453.	(37) 598, 801.
butter making on the farm, (33) 577; (37) 175.	(37) 598, 801. analytical, (32) 501. applied analytical, (40) 10.
butterflies and moths, (37) 358.	applied analysis (140) 501, (38) 309, 501; (40) 408. household, (30) 63; (32) 558, 854; (34) 458. industrial, (29) 107. inorganic, (40) 801.
butterflies of Australia, (34) 453. cabbage, (37) 543.	industrial, (29) 107.
cacao, (26) 47; (30) 533, 712, 741; (32) 235, 745;	inorganie, (40) 801. of plant products, (31) 803.
cabbage, (37) 543. cacao, (26) 47; (30) 533, 712, 741; (32) 235, 745; (39) 448, 544; (40) 158. cacao culture, (28) 342. cacao culture in Bahia, (33) 240.	of the farm and home. (36) 692.
cacao products, (29) 312.	of urine, (26) 809. organic, (31) 309; (32) 109; (34) 801; (40) 408,
California Redwood Park, (29) 44.	709.
calorimetric methods, (26) 872. camp cookery, (38) 469.	physiological, (26) 201; (31) 361; (34) 563, 607; (35) 311; (40) 109, 308.
candy making, (29) 60; (31) 558; (32) 253, 560. cane sugar factories, chemical control in, (37)	physiological and pathological, (29) 267. technical. (32) 308: (34) 801.
509.	technical, (32) 303; (34) 801. Chenopodium quinoa, (39) 610.
cane sugar manufacture, (29) 432; (35) 114; (38) 508.	cherries, (32) 338; (36) 641. cherries of New York, (33) 439.
canned foods, (30) 613. canning, (35) 717; (39) 317, 716.	children, care and feeding, (40) 560. children, care, diet, and common ills of, (30) 260.
canning—	chlorid of lime in sanitation, (29) 512.
canning (39) 117, (39) 517, 718, 808. and drying, (39) 208, 718, 808. and preserving, (36) 113; (38) 114. of fruits and vegetables, (36) 717.	chlorophyll, (30) 311. chrysanthemums, (28) 543; (37) 44; (40) 540. church and country life, (36) 92. churches, country, (31) 391; (32) 388; (33) 190. chymology, (31) 265. cinchona, (33) 343. citrus fruits, (30) 444; (33) 441; (35) 448; (38) 446. citrus fruits, wild and cultivated, (39) 142. climate, (39) 16.
of fruits and vegetables, (36) 717.	church and country life, (36) 92.
preserving, and pickling, (32) 253. carbohydrate metabolism and internal secre-	chymology, (31) 265.
carbohydrate metabolism and internal secre- tions, (30) 330. carbohydrates, (30) 610. carbohydrates and glucosids, (28) 710.	cinchona, (33) 343. citrus fruits. (30) 444; (33) 441; (35) 448; (38) 446.
carbohydrates and glucosids, (28) 710.	citrus fruits, wild and cultivated, (39) 142.
carbon bisulphid as an insecticide, (34) 249. carburation, (31) 785.	climate—
carbon sixthmid as an insecticity, (34) 249. carbonations, (26) 139, 337; (27) 41; (28) 438; (31) 743; (34) 44; (38) 44.	and weather, (28) 211. and weather of San Diego, California, (31)
carnations, perpetual flowering, (39) 449. carob, (37) 747.	21.
carob, (37) 747. casein, (29) 312.	of France, (36) 510. of Switzerland, (27) 15.
AGGGATA (40) 435	climatic changes, (32) 417. climatic changes in arid America, (31) 509.
castor oil plant, (40) 234. castration of animals, (33) 176; (34) 477. catalysis, (29) 504; (34) 312; (35) 801.	climatology, (26) 613.
	climatology, (26) 613. cloth making, (40) 899. clothing, (36) 497.
caterpillars, (31) 850. cattle, (27) 277; (28) 769; (30) 170; (31) 468; (34) 467; (39) 673, 881.	clothing and health, (36) 396.
467; (39) 673, 881.	clover, (29) 140. Coccidae, (28) 556.
CREEIQ	Glover, (29) 140. Coccidea, (28) 556. cocoa and chocolate, (26) 662, 710. coconuts culture, (39) 449; (40) 247. coconuts, (27) 148; (29) 840; (31) 239; (32) 236, 339; (36) 445; (37) 345. coffee culture; (39) 449, 846. coffee culture in Java, (31) 639. coffee culture in Uganda, (30) 741. coffees of Dutch East Indies, (30) 43. cold storage, (33) 892.
Aberdeen-Angus, (33) 72. ancestry, (23) 466. diseases, (26) 485; (34) 477, 478. feeding and dairying, (32) 288.	coconuts, (27) 146; (29) 840; (31) 239; (32) 236, 339;
feeding and dairying, (32) 258.	coffee culture, (39) 449, 846.
feeding and management, (37) 172. Guernsov. (40) 179.	coffee culture in Hava, (31) 639.
Hereford, (33) 73.	coffees of Dutch East Indies, (30) 43.
feeding and management, (37) 172. Guernsey, (40) 179. Hereford, (33) 73. industry in Württemberg, (28) 873. judeing, (27) 571.	Coleoptera of British India, (23) 57, 358.
measurements, (27) 675. Moravian. (26) 268.	colic in horses. (32) 584.
raising, (29) 368.	colics and their treatment, (31) 382. colloidal solutions, (36) 108; (37) 501. colloids, (32) 308; (33) 801; (35) 501.
raising on western ranges, (29) 666. Shorthorn, (35) 169; (39) 673.	colloids in biology and meticine, (27) 881.
cecidia of central and northern Europe. (26) 658.	color in relation to chemical constitution. (40) 505.
cellulose, (30) 202; (37) 112; (39) 614. cellulose chemistry, (28) 312.	color standards in biology, (29) 762. commercial geography, (28) 298. concrete, (28) 186; (36) 188, 285; (37) 590.
cement and concrete, (35) 289. cereal foods, (36) 560.	concrete, (28) 186; (36) 188, 285; (37) 590. concrete—
cereals, (31) 598.	construction, (27) 484, 645; (31) 186; (32) 188; (35) 390.
cereals and forage crops, (30) 696. cereals, ground, in the dist, (29) 564. cheese, (26) 479. cheese, Camembe t, (37) 176.	construction inspection, (30) 487.
cheese, Camembert, (37) 176.	on the farm, (38) 87, 291. reinforced, (27) 688. roads, (30) 386, 589.
cheese making, (23) 475; (40) 283. chemical—	roads, (30) 386, 589.
an llysis, (27) 809; (29) 203, 307, 506; (30) 309;	condiments chemistry, bacteriology, and tech- nology, (32) 558. conifers, (26) 642.
(31) 806; (34) 711; (35) 11; (37) 310, 614, 802. calculations, (36) 411.	conners of British Isles. (28) 843.
constitution and physiological action, (36)	
411. French, (39) 418.	conking, (26) 66, 261; (27) 461, 868; (28) 259, 498, 566, 863; (29) 61, 362, 464, 661, 766; (30) 259, 365, 462, 559, 560, 763, 862; (31) 259, 260, 557, 857; (32) 255, 558, 394, 495, 558, 662, 703; (33) 165, 062, 753; (34) 395, 794; (37) 94, 894; (38) 107, 469, 567, 568; (40) 563, 899.
German, (40) 709. industry, electrolysis in, (40) 109.	365, 462, 559, 560, 763, 862; (31) 259, 260, 557, 857 (32) 255, 358, 304, 405, 558, 869, 769, 789, 789, 789, 789, 789, 789, 789, 78
mixing, stirring, and kneading, (27) 14	165, 062, 753; (34) 395, 794; (37) 94, 894; (38)
pathology, (32) 78; (39) 79. technology, (27) 14; (29) 413.	107, 169, 567, 568; (40) 693, 899.

Books on—Continued.	Books on-Continued.
cooking, Chinese, (40) 560. cooking, French, (32) 662.	dogs and cats, parasites and diseases, (31) 586.
cooperage, (29) 644.	drafting, (31) 592. dragonflies, (39) 558.
cooperation in Russia, (39) 191.	drainage, (26) 588; (33) 585, 586; (35) 788; (37)
cooperation, industrial, (29) 594.	587.
cooperation in Russia, (39) 191. cooperation, industrial, (29) 594. cooperative finance, (28) 790. corn, (31) 331, 898; (34) 529; (37) 94.	drug analysis, (34) 713.
corn, (31) 331, 898; (34) 529; (37) 94.	drugs, (26) 277; (39) 884.
corn among indians of the upper Missouri, (39)	dry farming, (28) 393; (32) 430; (40) 823.
738.	ducks, Indian Runner, (30) 873.
corn and sorghum, (30) 635. corn culture, (27) 640; (29) 830; (32) 228, 434, 829.	dyestuffs, (39) 506. earth pressure, retaining walls, and bins, (35)
corn culture for school children, (38) 93.	786.
cost of living, (30) 559; (32) 662; (33) 694; (38)	earths, rare, and their acids, (30) 205.
392; (40) 173.	earth work haul and overhaul, (30) 487.
cost of living in Portugal, (39) 191.	earthworms, (28) 451.
cotton, (26) 190, 332, 437, 535; (28) 631; (29)	economic associations of rural Poland, (31) 690.
738; (31) 525, 735; (32) 434; (33) 433; (35)	economic conditions in Serbia, (40) 791.
230, 639. cotton—	economic cycles, (35) 496. edaphon, (30) 323.
as a world nower. (36) 894.	education, (33) 596.
as a world power, (36) 894. boll weevil, (31) 457.	
bollworm, pink, (40) 856.	eggs, preparation, (37) 668. electric heating, (37) 387.
bollworm, pink, (40) 856. culture, (30) 831.	electrical engineering, (29) 893.
culture in Egypt, (30) 527.	electricity—
iorecasting yield, (39) 191.	agricultural, (26) 893. for the farm, (27) 388; (30) 589; (33) 690.
trade (21) 600	for the farm, (27) 388; (30) 589; (33) 690.
country churches. (29) 190, 294.	relation to vegetation and agricultural products, (27) 231.
culture, (30) 831. culture in Egypt, (30) 527. forecasting yield, (39) 191. statistics, (34) 595, 691. trade, (31) 690. country churches, (29) 190, 294. country girls, (34) 290. country homes, (40) 486. country life, (32) 687, 692: (39) 299.	electrochemistry, (26) 818.
country homes, (40) 486.	embryology of chicks and pigs, (29) 371.
country life, (28) 687, 692; (39) 299. country towns, (36) 288.	engineering, (29) 289.
country towns, (36) 288.	engineering—
cow-testing associations, (26) 169. creamery practice, (30) 271, 275.	formulas and memoranda, (32) 188.
crop production, (32) 393.	highway, (27) 189; (30) 289; (34) 586. river and canal, (32) 481.
crops, (28) 298, 493, 632; (36) 692.	structural, (33) 487.
cultivation, (29) 329.	engines, (31) 385.
cultivation, ridge method, (28) 632.	engines—
cyanamici, (29) 518.	gas, gasoline, and oil, (34) 287, gasoline, (29) 86; (32) 788.
cultivation, ridge method, (28) 632. cyanamid, (29) 518. cypresses, (33) 49. dailodlis, (32) 143; (34) 741.	gasoline, (29) 86; (32) 788.
dahlias, (20) 441; (36) 743.	internal combustion, (29) 184; (31) 92, 590. entomological nomenclature, (27) 551.
dairy—	entomology, (27) 898; (28) 451; (29) 555, 853; (30)
and food laws of Minnesota, (30) 877.	entomology, (27) 898; (28) 451; (29) 555, 853; (30) 745, 851, 852; (31) 349; (38) 93, 357.
bacteriology, (27) 74; (30) 378, 677; (32) 577. cattle, (37) 574.	entomology—
chemistry, (32) 501.	agricultural, (35) 355. economic, (32) 56; (33) 652.
farming, (40) 590.	economic, (32) 56; (33) 652.
laboratory exercises, (37) 872.	medical, (32) 846.
laboratory work, (31) 792. practice, (30) 271.	medical and veterinary, (34) 850. enzyms, (28) 202; (32) 19, 662; (39) 110.
pricuce, (30) 2/1.	enzyms, chemistry, (30) 409.
technology, (28) 878. dairying, (26) 78, 574, 674; (27) 176; (28) 176; (29) 93, 775; (31) 76, 173, 395, 475, 494, 694; (32) 173, 258, 291; (34) 670; (35) 378; (37) 94, 172,	equitation. (28) 269.
(29) 93, 775; (31) 76, 173, 395, 475, 494, 694; (32)	essence industry, (35) 717. eucalypts, (30) 447; (39) 146, 351. eucalyptus culture, (27) 442.
173, 258, 291; (34) 670; (35) 378; (37) 94, 172,	encuryous, (30) 447; (39) 140, 301.
084.	evolution, (26) 365, 470; (28) 876; (33) 552; (37)
darrying in Australasia, (28) 878. Dalmeny Experiment Station, work, (31) 516.	432, 573.
dams and weirs. (35) 288.	exercise in education and medicine, (34) 261.
dams, earth, (29) 289.	farm (00) 700; (91) 909; (99) 404; (99)
dams and we'rs, (35) 288. dams, earth, (29) 289. Darwinism, (27) 175. dates, (30) 238.	02 203- 730) 408
dates, (30) 238.	and forest. (26) 391.
dew nonds (33) 806	and school problems for high schools and
deer breeding, (29) 171. dew ponds, (33) 800. diagnosis, (30) 412.	normals, (34) 793.
diagnostic inethods, (21) 204.	DOYS And girls, (26) 899.
diet. (26) 262: (27) 269: (29) 267, 360, 661; (30) 259,	(20) 186, 689 (31) 291: (35) 587: (36) 891
463; (32) 561; (37) 469; (40) 68, 561, 659, 865,	farm— accounting, (29) 792; (31) 293; (32) 494; (33 92, 893; (39) 496. and forest, (26) 391. and school problems for high schools and normals, (34) 793. boys and girls, (26) 899. buildings, (26) 894; (27) 892; (28) 290, 487 (29) 186, 889; (31) 291; (35) 587; (36) 891
866. diet—	buildings and machinery, (26) 686.
and distatis theremouting (25) 858	business arithmetic, (33) 899.
and hygiene in schools, (29) 363.	crops, (30) 133; (35) 593.
	crops, feeding of, (34) 326. economics, (30) 795.
of working women in Boston, (38) 64.	equipment, (37) 388.
uric-acid-free, (31) 361.	equipment in Minnesots, (31) 93.
dietaries for institutions, (40) 866. dietatics, (26) 658; (28) 257; (29) 163; (31) 557,	houses, (28) 188; (31) 591.
859.	houses, (28) 188; (31) 591. leases, (35) 589. life, (29) 598.
digestion as affected by emotions, (33) 566.	management, (28) 789; (31) 494; (32) 393.
Diptera, (34) 654. Diptera, Danish, (38) 263.	management, (28) 789; (31) 494; (32) 393. management and credit, (39) 689.
disease transmission by flies, (30) 552.	mortgages, (36) 688. motors, (31) 186.
diseases, infectious, (27) 76.	motors, (31) 186.
diseases of wild animals, (34) 576.	practice, (35) 93. science, (40) 295.
disinfection, gaseous, (26) 173.	shop work, (33) 792.
dissection of domestic animals, (26) 578. dog diseases, (36) 183.	woodwork. (35) 298.
dog medicine and surgery, (32) 783.	farmers, organization, (40) 193.

Books on-Continued.	Books on-Continued.
farming, (28) 298, 691, 693; (29) 293; (30) 141, 193; (31) 787; (32) 291, 429; (34) 635, 796; (35) 696, (36) 897; (37) 290; (38) 297; (39) 89; (40) 95;	food—continued.
(31) 787; (32) 291, 429; (34) 635, 795; (35) 695, (36) 897; (37) 290; (38) 297; (39) 89; (40) 95;	and household management, (31) 298. and nutrition, (30) 63; (36) 396, 497; (38) 661.
193, 589, 590.	and sanitation, (32) 659.
farming—	bacteriological examination, (38) 11. beverages, and toilet accessories, (32) 162;
costs, determination, (40) 192. in China, Korea, and Japan, (26) 290. in England, (33) 93; (38) 192. in England, war-time, (40) 790. intensive, in India, (32) 131; (39) 834. fats and oils, edible, (26) 258. fats, oils, and waxes. (31) 201.	(36) 63.
in England, (33) 93; (38) 192.	chemistry, (29) 598; (32) 854.
intensive, in India, (32) 131: (39) 834.	chemistry, bacteriology, and technology, (32) 558.
fats and oils, edible, (26) 258.	conservation, (38) 94; (40) 659. in war time, (38) 662. industries, (32) 682. inspection, (28) 259; (33) 67.
fauna of America. (27) 855.	in war time, (38) 662.
fats, oils, and waxes, (31) 201. fauna of America, (27) 855. fauna of British India, (37) 54, 765. fauna of Hawaii, (29) 250.	inspection, (28) 259; (33) 67.
fauna of Hawaii, (29) 250.	materials and condiments, (30) 763. preparation and service, (32) 65.
faunas of natural regions of the globe, (31) 846. Federal Farm Loan Act, (39) 89.	preservation, (29) 264; (40) 808.
Federal farm foan system, (30) 688.	products, source, chemistry, and use, (32)
feeding— farm animals, (28) 465, 898; (30) 67; (31) 563;	353. reforms, modern, (32) 66.
(37) 94, 795.	requirements, appetite, and hunger, (31) 859.
infants and young children, (26) 763. school children, (33) 364, 864.	statistics, (40) 765.
stuffs, (28) 265.	selection, (36) 762. statistics, (40) 765. supply of Germany, (29) 162; (40) 561. supply of Great Britain, (29) 162; (36) 290.
the poorer classes, (33) 166. feeds and feeding, (26) 164; (34) 261, 565; (37)	supply of Great Britain, (29) 162; (36) 290.
767	supply of Great Britain, (29) 162; (38) 290. tables, (38) 499. values, (36) 663. foods, (26) 55, 221, 355; (27) 207, 270, 365, 567, 868; (28) 163; (29) 360, 412; (37) 94, 166, 894; (40) 173, 361, 469, 550, 795. foods and candies, (31) 856. foods in the home and market, (31) 68. foods, wild, of Great Britain, (40) 360. foot-and-mouth disease, (35) 280. forage crops, (28) 632; (34) 598. forage plants and their culture, (32) 827. forest—
fences, gates, and walls, (33) 291. fermentation, alcoholic, (29) 714; (34) 318. fermentation processes in breweries, distilleries,	foods, (26) 65, 261, 355; (27) 207, 270, 365, 567, 868;
fermentation processes in breweries, distilleries,	173, 361, 459, 559, 795.
and yeast factories, (29) 509. ferments, (30) 77, 311, 610.	foods and candies, (31) 856.
ferments, defensive, of the animal organism, (31)	foods, wild, of Great Britain, (40) 360.
ferments, defonsive, of the animal organism, (31) 278; (32) 270.	foot-and-mouth disease, (35) 280.
fertilizer industry, (36) 124, 817. fertilizers, (28) 34, 124, 725; (27) 128, 327; (29) 193, 213, 517; (31) 323, 517; (33) 398; (34) 28, 29; (36) 119; (37) 724; (38) 119; (39) 724; (40) 421. fertilizers and crops, (27) 218. fertilizers and crops, (27) 218.	forage plants and their culture, (32) 827.
193, 213, 517; (31) 323, 517; (33) 398; (34) 28, 29;	forest—
(30) 119; (37) 724; (38) 119; (39) 724; (40) 421.	ure control, (39) 352.
fertilizers and manures, (30) 24.	flora of New South Wales, (39) 145.
fiber plants, (30) 436; (34) 829.	insects of Central Europe, (32) 151.
fettilizers for truck crops, (29) 837. fiber plants, (30) 436; (34) 829. fibers, (40) 333, 435. fibers, textile, chemical technology of, (32) 308.	fire control, (39) 352. fiora of Bengal, (20) 49. fiora of New South Wales, (39) 145. insects of Central Europe, (32) 151. insects of India, (32) 351. law in America, (37) 836. mensuration, (38) 298. physiography (26) 332
fibers, textile, chemical technology of, (32) 308. field crops, (28) 493; (31) 791; (40) 622.	mensuration, (33) 298.
field crops—	physiography, (26) 338. policy of France, (33) 541. products of India, (27) 541. protection, (31)143. surveying, (26) 644. trees and timber supply of China, (33) 50. valuation, (32) 840.
culture in Russia, (35) 636.	products of India, (27) 541.
for the cotton belt, (36) 897. of India, (33) 526.	protection, (31)143.
field management and crop rotation, (33) 429.	trees and timber supply of China, (33) 50.
flavoring extracts, (28) 863.	Valuation, (32) 840.
flavoring compounds, (33) 164. flavoring extracts, (28) 863. flax culture, (33) 133, 731. flax, culture and preparation, (40) 827.	valuation, (32) \$40. forestry, (28) 140, 338, 542, (27) 41, 42, 95, 444, 598; (28) 193, 544, 644; (30) 44, 146, 742; (31) 49, 640; (32) 46, 692; (35) 240, 346, 643, 643, 641; (36) 242, 596; (37) 243; (38) 751; (39) 50; (40)
	49, 640; (32) 46, 692; (35) 240, 346, 543, 648, 841;
fleas, (30) 554.	101.
fleas, (30) 554. flies, (30) 552. flies, bloodsucking, in relation to disease, (33)	forestry—
900.	for high schools, (33) 298. for rangers and woodmen, (36) 446.
flors of— northwest coast of United States, (34) 336.	in Great Britain, (27) 646; (36) 143. New England, (27) 646.
southeastern Washington and adjacent Idaho, (31) 731. the Northwest, (30) 521; (32) 898. vicinity of New York, (33) 429. vicinity of New York, (33) 429.	Pacific Northwest, (26) 49.
10800, (81) 731. the Northwest, (30) 521: (32) 898	Tunis, Algeria, and Corsica, (37) 650.
vicinity of New York, (33) 429.	terms, (31) 840. forests, national, (39) 648.
western United States, (38) 732. floriculture, (34) 535, 836.	forests, national, (39) 648. forests of the Far East, (30) 45.
flour milling, (29) 263. flour, starch, bread, etc., methods of analysis,	forests, protection against animals, (35) 851.
flour, starch, bread, etc., methods of analysis, (32) 505.	fowls, anatomy, (37) 772; (40) 483. fowls, Campines, (33) 273. foxes, (31) 770.
flower gardens, (29) 239; (33) 738, 899; (35) 345,	foxes, (31) 770. fresh-water biology, (39) 554.
745.	friit
flowering plants, (26) 35. flowers, (30) 238; (31) 35, 143; (37) 145, 630, 746.	* and vegetables, conservation, (36) 615. culture, (26) 45, 741; (29) 837; (31) 394; (32) 337; (34) 533; (37) 41, 544; (38) 446. diseases, (37) 151. growing, (33) 438, 639; (39) 543.
TIOTRATS	337; (34) 533; (37) 41, 544; (38) 446.
of the woods. (33) 541.	diseases, (37) 151.
in California, (31) 837. of the woods, (33) 541. of western United States, (33) 842.	
suruos, etc. in Camornia, (33) 441.	propagation, (36) 140. fruits, (27) 344, 439.
wild, (35) 450. food, (33) 384; (39) 195, 587, 614, 788, 899.	iruits—
food— accessories, (29) 265,	drying, (40) 615.
adulteration, (26) 65, 355. analysis, (29) 204, 506; (30) 710; (33) 206; (34)	for cider and perry making, (28) 437. of California, (27) 439: (31) 836.
analysis, (29) 204, 506; (30) 710; (33) 206; (34) 506, 610, 713; (37) 503.	of California, (27) 439; (31) 836. of Hawaii, (26) 741.
and drug laws in United States, (29) 266.	or Ontario, (31) 336. preserved. (28) 258.
and drug legislation, (32) 65. and Drugs Act decisions, (32) 254.	of Ontario, (31) 336. preserved, (28) 258. small, (37) 544, 648. tropical and subtropical (27) 845.
CHALLES DUB LICESTUIN, 1041 404.	CONTROL OF STREET AND STREET

Books on-Continued.	Books on-Continued.
fungi, (27) 149, 329, 727. fungi and lichens of Great Britain, (27) 25.	hay, (28) 829. hay tonnage tables, (33) 228.
fungi of Japan, (38) 426.	heather burning for grouse and sheep. (40) 667.
fungicides, (31) 517. fur, (34) 570.	heating and ventilation, (29) 390.
fur-bearing animals, (40) 646.	hematology, (38) 481. herbs, (26) 239; (36) 743.
fur farming, (27) 774; (29) 672.	nerns, cillinary, (28) 259.
fur-bearing animals, (40) 646. fur farming, (27) 774; (29) 672. fur farming in Canada, (32) 870. fur trade, (28) 772.	heredity, (26) 161, 272, 365; (28) 876; (31) 466; (33) 869.
turs and skins, none mandiacture, (33) 13.	neredity—
galls of plants, (26) 212. game and fish laws of various States and of Can-	and development, (30) 564.
ada, (30) 153.	eugenics, (28) 271. evolution, (29) 665.
game animals, (33) 77.	sex, (30) 767.
game, fish, and forestry laws, (32) 150, game protection and propagation in America,	vigor, (35) 371. in horses, (30) 269.
(30) 153.	in plants, (26) 325.
garden— architecture, (31) 536.	hides and skins, (27) 775. histology, (26) 876; (29) 676.
crop manuring, (31) 336.	histology, pathologic, (36) 674.
design, (31) 239, 743. furniture and accessories, (37) 746.	nome economics, (26) 394, 597; (28) 461, 566, 795;
insects, (40) 649.	(29) 162, 266, 496; (30) 763; (31) 495, 760; (32) 65, 394, 495; (33) 495, 598; (34) 293, 794; (36) 497; (37) 396; (40) 296, 899.
ornaments, (36) 644.	497; (37) 396; (40) 296, 899.
plans, (35) 841.	nome economics— and school lunches, (36) 598.
pinns, discusses and pests, (39) 444. gardening, (20) 47, 298, 337, 393, 538, 693, 899; (27) 41, 442, 842; (28) 538, 642, 381, (29) 42, 341, 441, 495, 840; (30) 40; (31) 140, 142, 143, 236, 239, 340, 532, 701; (32) 232; (33) 395, 898; (34) 39, 340, 345, 635, 833, 836; (35) 36, 444, 445, 741; (36) 536, 639, 603, 743, 744; (37) 94, 145, 543, 445, 742; (38) 39, 94, 344, 842; (39) 139, 240, 245, 899; (40) 245, 340, 444, 536, 638, 640.	instruction in France (24) 200
41, 442, 842; (28) 538, 642, 838; (29) 42, 341, 441,	teaching equipment, (36) 396.
340, 532, 791; (32) 232; (33) 398, 898; (34) 39,	honey chemistry, (29) 109.
340, 345, 635, 833, 836; (35) 36, 444, 445, 741;	teaching equipment, (38) 396. home grounds, (34) 238; (37) 44, 346. honey chemistry, (29) 109. horse diseases, (30) 285; (34) 477, 794; (37) 784;
645. 742: (38) 39. 94. 344. 842: (39) 139. 240.	
245, 899; (40) 245, 340, 444, 536, 638, 640.	horses, (26) 269, 369, 571, 668, 770, 875; (27) 471, 772, 875; (28) 269; (29) 573; (30) 174; (31) 169, 269, 470; (34) 268, 668, 794, 869; (37) 770; (38)
gardening— for little girls, (38) 297.	269, 470; (34) 268, 668, 794, 869; (37) 770; (38)
in city backvards, (33) 540.	horses
in Saxony, (26) 842.	Belgian draft, (26) 76; (27) 72. breaking and training, (32) 263.
in Sakony, (20) 842. indoor, (30) 238. market, (36) 639.	dissection of, (33) 87.
ornamental, (33) 143, 442; (34) 238, 345, 535; (35) 42, 648; (36) 142, 143, 639, 643, 644; (37) 145, 349, 746.	dissection of, (33) 87. Percheron, (37) 771. trotters and pacers, (33) 571.
(35) 42, 048; (30) 142, 143, 639, 643, 644; (37) 145, 346, 746.	trotters and pacers, (33) 571.
ornamental, in Europe, (30) 644.	tion, (29) 388.
tropical, (32) 45. gardens in America, (35) 345.	v. motor power for farm and transporta- tion, (29) 388, horseshoeing, (27) 476; (29) 292, 682; (31) 488, 887; (32) 185; (36) 182, horticulture, (27) 644; (29) 193; (31) 532; (32) 436; (33) 899; (36) 137.
gardens, Italian, (33) 644.	horticulture, (27) 644; (29) 193; (31) 532; (32)
gardens, mountain, (34) 45.	436; (33) 899; (36) 137.
gas cooking, heating, and lighting, (33) 753. gas engines, (28) 84, 384; (30) 487; (36) 227, 587.	horticulture, elementary, (40) 795. horticulture in America, (39) 541
gaseous exchange of animals and man, (36) 266.	norticulture, tropical, (30) 532.
genetics, (28) 876; (30) 264; (31) 70; (34) 563; (39) 671.	hotbeds and cold frames, (35) 445. house flies, (28) 560; (29) 656; (33) 561; (34) 855;
genetics and ougenics, (40) 274.	(35) 57.
genetics, laboratory course, (40) 693. geography, (31) 793.	house plants, (37) 346. house plants and flowers, (26) 744.
geology-	house sanitation, (28) 566.
agricultural, (36) 617.	household—
engineering, (32) 784; (35) 489. in relation to agriculture and sanitation,	accounting, (40) 659. chemistry, (40) 493. finance, (40) 796.
(30) 212. ginseng and golden seal, (27) 346.	finance, (40) 796.
glycosuria and allied conditions, (30) 277.	insects, (32) 449. mechanics, (36) 891.
glycosuria and diabetes, (32) 474.	thrift, (40) 96.
goats, (34) 270. gooseberries, (30) 42.	wastes, disposal, (34) 790. housekeeping, (27) 96; (28) 599, 763.
grain and feeding stuffs drying, (27) 669.	nousekeeping conditions among "Pennsyl-
grain, forage, and pasture crops, (29) 530. grain inspection in Canada, (33) 228.	Vania Germans," (34) 257.
grain production in Switzerland, (40) 525.	housing and town planning, (31) 293. housing in rural districts, (33) 893.
grains, (27) 638. grains, small, (35) 593.	hunger control in health and disease, (36) 363.
granger movement, (30) 693.	hydraulies, (27) 385; (28) 288, 588; (31) 587; (35) 786; (37) 584.
granger movement, (30) 693. grape berry moths, (34) 553.	hydroelectric power, (36) 783; (37) 287.
grapes, (27) 539; (30) 43. grapes, history and culture, (33) 736.	hydrogenation of oils, (32) 416.
grasses, (29) 139; (32) 133.	hydrogenation of oils, (32) 416. hygiene, (26) 65, 386; (28) 78, 461; (30) 63, 763; (40) 694, 866, 899.
grasses, British, (40) 020. grasshoppers, (38) 359.	hygiene and sanitation, military, (34) 369.
grasses, (22) 139; (32) 133. grasses, British, (40) 525. grasshoppers, (38) 359. green manure farming, (26) 425, 817.	Hymenoptera, (28) 352. ice cream, (33) 65.
green manures and manuring in the Tropics, (37) 28.	
greenhouses, (38) 39.	ice cream manufacture, (38) 281.
ground levels in democracy, (34) 796	Ichneumonidae of Great Britain, (34) 657.
ground water supply, (32) 685. grouse, (26) 146.	illumination, dark ground, (26) 82.
growth and form, (40) 566.	lee cream manufacture, (38) 281. Ichneumonidae of Great Britain, (34) 657. Ichneumons of Great Britain, (27) 359. Illumination, dark ground, (26) 82. Immune serums, (26) 579. Immunity, (26) 481, 676; (27) 76; (32) 578; (35)
growth and form, (40) 586. guines pigs, (30) 874; (37) 775. hardwoods of central Europe. (31) 538.	immunity, (28) 481, 676; (27) 76; (32) 578; (85)-

Books on-Continued.	Books on-Continued.
immunology, (34) 275; (37) 76.	Leghorns, (28) 774.
incubation and brooding, (29) 373.	Leguminosae, (31) 523.
incubation periods of birds, (37) 774.	leguminous plants, (32) 432.
Indian chutneys, pickles, and preserves, (32)	leisnmanioses, (39) 683.
560.	Lepidoptera, collecting and preserving, (39) 560.
infant feeding, (40) 560. infant feeding and metabolism, (34) 460.	Lepidoptera of North America, (37) 563.
infection—	lepidopterology, (26) 348, 455; (28) 453; (35) 358.
and immunity, (30) 878; (35) 573; (38) 482, 781, and resistance, (32) 270, (39) 679.	levees, (32) 187.
and resistance, (32) 270, (39) 679.	Liebig, J. von, (32) 109.
immunity, and specific therapy, (33) 476.	lighting, (31) 387.
insect pests, (39) 255. insect pests of orchards, (33) 856.	lilies, (26) 47; (29) 341. llnseed oll, (39) 411. lipins, (39) 202. lipoids, (26) 802.
insect wings, (40) 351.	lipins, (39) 202.
insect wings, (40) 351. insecticides, (31) 517 insecticides, fungicides, and weed killers, (29)	lipoids, (26) 802.
insecticides, fungicides, and weed killers, (29)	11the towns, (40) 892.
341.	livestock, (34) 565, 866; (39) 90, 268.
insects, (26) 532, 752; (27) 452, 551; (28) 553, 745; (31) 155; (33) 153, 495, 745; (34) 651; (38) 256, 761; (40) 255, 351, 647, 795.	livestock— breeding (20) 68
256, 761; (40) 255, 351, 647, 795,	breeding, (29) 68. diseases, (34) 278, 383; (38) 287, 781. feeding, (33) 664, 696.
insects—	feeding, (33) 664, 696.
forest, (27) 554.	
forest, (27) 554. habits and instincts of, (32) 846. harmful and beneficial to man, (33) 856.	nygiene and diseuses of, (33) 876.
in relation to disease (28) 858. (30) 455	industry in Hungary, (21) 012.
injurious, (36) 355; (37) 395.	management. (40) 176, 177.
injurious in Great Britain, (36) 853.	on the farm, (37) 769.
injurious in Italy, (35) 460.	remedies, (37) 876.
narmitii and beneficial to man, (33) 856. in relation to disease, (28) 658; (30) 455. injurious, (36) 355; (37) 395. injurious in Great Britain, (36) 853. injurious in Italy, (35) 460. injurious to fruit, (31) 849. injurious to granes (33) 659	hygiene and diseuses of, (33) 876. industry in Hungary, (27) 672. judging, (32) 686; (33) 71, 870; (37) 94. management, (40) 176, 177. on the farm, (37) 789. remedies, (37) 876. types and market classes, (37) 194. logists, control in various countries, (37) 818.
injurious to grapes, (33) 552. injurious to man, (37) 156, 760. injurious to man in war, (34) 251. instinct, (29) 52; (40) 255. knowing through stories, (40) 795.	in the state of th
injurious to man in war. (34) 251.	nd its uses. (31) 840.
instinct, (29) 52; (40) 255.	and its uses, (31) 840. industry in United States, (35) 649.
knowing through stories, (40) 795.	kiln drving. (38) 46.
of California, (28) 853; (33) 553, 652. central Europe, (35) 254. Costa Rica, (38) 358. Great Britain, (38) 557.	measurement, (29) 240.
Central Europe, (35) 254.	lunch rooms, (26) 564. lure of the land, (33) 91.
Great Britain, (38) 557.	lymphatic glands in meat-producing animals.
North America, (33) 652.	(34) 876.
North America, (33) 552. South India, (34) 549. Uganda, (39) 656. Victoria, (26) 147. psychic life, (40) 647.	machine design. (31) 290.
Uganda, (39) 656.	magnesium mclabolism, (28) 569. malaria, (29) 759; (33) 155. Malta fever, (36) 382.
Victoria, (26) 147.	malaria, (29) 759; (33) 155.
internal secretions (28) 261	mammals of—
internal secretions, (26) 264. irises, (26) 841; (28) 743. irrigation, (27) 686; (29) 181, 289, 683; (32) 784;	America, (38) 652.
irrigation, (27) 686; (29) 181, 289, 683; (32) 784;	eastern Massachusetts, (33) 152.
(30) 300, 350, 864; (30) 180, 491, 184; (31) 180,	Great Britain, (27) 51; (34) 57; (35) 656,
587, 882.	North America and adjacent seas, (37) 658.
irrigation— and settlement in America, (34) 482.	western Europe, (30) 850. man as a machine, (31) 662. manure, (29) 820; (30) 24, 125; (36) 119; (37) 215.
and water rights law (21) 586	manure, (29) 820; (30) 24, 125; (36) 119; (37) 215.
by pumping, (28) 889.	manure and fertilizers, (28) 538.
by pumping, (28) 889. engineering, (30) 587, 689; (38) 589. farming, (30) 587.	manuring, (39) 724.
in United States (24) 784: (32) 320	manuring of flowers and ornamental plants,
in United States, (34) 784; (38) 389. law, (35) 185.	(30) 445. manuring of fruits and grapes, (30) 443.
practice and engineering, (34) 481, 482.	market gardening, (39) 843.
works, (26) 787.	marketing, (34) 595, 893; (39) 797.
Johne's disease, (32) 273. Johnson, S. W., (30) 94.	marketing—
JOHNSON, S. W., (30) 94.	and farm credits, (37) 391.
kitchens, (40) 361. kola trees and nuts. (26) 139.	and housework, (39) 195. cooperative, (38) 595.
kosher dooking, (39) 472.	farm products, (40) 792.
kola trees and nuts, (26) 139. kosher cooking, (39) 472. laboratory methods of the Army, (39) 786. lactose, industrial manufacture, (40) 415. Lavovillacorie of British Paris (40) 621.	farm products, (40) 792. markets and rural economics, (31) 894.
lactose, industrial manufacture, (40) 415.	mason bees, (32) 758. mastitis of the cow, (39) 890. mathematics, agricultural, (40) 796. mathematics, vocational, (37) 598. mendows and pastures, (26) 890.
Lamellicornia of British India, (40) 63. lameness in horses, (36) 280.	methematics corionitural (40) 708
land—	mathematics, vocational, (37) 598.
clearing and graphing, (38) 490.	mendows and pastures, (26) 830.
grants in United States, (34) 594.	meadows, culture, (52) 55.
leasing in Belgium, (33) 92. ownership, (31) 490. ownership, tenure, and taxation, (32) 891. problem in Great Britain, (36) 392.	meat—
ownership, tenure, and taration, (32) 891.	and food inspectors' examinations in England, (33) 261.
problem in Great Britain, (36) 392.	curing and sausage making, (36) 114.
reclamation, (37) 214. registration, Torrens system, (34) 489.	IFOZEII, (27) 571.
registration, Torrens system, (34) 489.	hygiene, (35) 678, 879.
settlement for soldiers, (39) 648.	inspection, (28) 482; (32) 777, 778; (37) 77;
surveying, (34) 485. system of Great Britain, (37) 697.	(40) 577. price of in Paris, (30) 256.
tenure in England, (28) 189; (29) 895. title registration, (29) 895; (39) 89. values in France, (40) 892.	products, (30) 711.
title registration, (29) 895; (39) 89.	purchasing and use, (32) 354.
values in France, (40) 892.	supply of Germany, (30) 256. mechanical cultivation in Germany, (30) 191.
landscape architecture, (38) 542; (39) 546. landscape gardening, (34) 45, 439; (35) 746; (37)	mechanical cultivation in Germany, (30) 191.
546, 547.	mechanical engineering, (31) 287. mechanistic conception of life, (28) 875.
law for farmers, (26) 93.	medicine, (40) 577.
lawns, (27) 41.	medicines, patent and proprietary, (40) 182.
leather chemistry, (40) 714.	Mendelism, (38) 367.

```
Books on—Continued.
nutritional physiology, (40) 463.
oil analysis, (39) 207.
oil and fat analysis, (29) 811.
oil seeds and feeding cakes, (34) 565.
oils and fats, hydrocarbon, (30) 313.
oils, fats, and waves, (34) 507; (39) $; (40) 804.
oils, volatile, (30) 310, 710.
olcomargurine, (31) 176.
olive diseases, (30) 437.
onion culture, (33) 837.
ophthalmology, (27) 284; (29) 377.
orange culture, (37) 835.
orchard renovation, (27) 241.
orcharding on rough lands, (26) 440.
orchids, (27) 41; (34) 741.
organic compounds, (34) 312.
orientation in anis, etc., (33) 563.
osier culture, (30) 347.
osiers and willows, (31) 49
osmotic pressure, (30) 310; (40) 801.
ostrich breeding, (26) 772.
ostriches, (30) 472, 874
outdoor work, (26) 298.
palms, (28) 642.
paper technology, (26) 310.
parasitlo ambea in man, (26) 375.
parasitlology, (26) 174; (30) 536, 654; (31) 177.
parasitology, (26) 174; (30) 582.
Books on—Continued.
metabolism, chemistry of, (35) 765,
meteorology, (27)11 5; (29) 615; (32) 24; (34) 13;
(35) 808; (36) 509.
                               (35) 808; (36) 509. metoorology and weather forecasting, (26) 513. meteorology of Brazil. (37) 619. methyl alcohol, (25) 511. microbes and torins, (26) 373. microbology, (26) 372; (27) 223, 575; (31) 177; (33) 593; (47) 76. microbology of infectious diseases of animals, (32) 474.
                                                     (32) 471.
                                 microchemistry, (29) 801.
microchemistry of plants, (30) 310.
microorganisms, (30) 133, 379.
microorganisms—
                               microorganisms—
and fermentation, (27) 204.
pathogonic, (26) 677; (32) 78; (38) 480.
microscopical technique, (26) 82.
microscopy of vegetable foods, (35) 503.
mildews, rusts, and smuts of Great Britain, (30) 745.
                                   milk, (26) 171, 779; (31) 468; (32) 660.
milk—
                                                                   mulysis, (32) 312.
and cream testing and grading, (26) 578.
and darp products examination, (26) 111.
and its hygienic relations, (37) 174.
and its products, (28) 176, 276, 373, 473, 674;
(34) 380, 611.
Jud its products in the home, (33) 899.
chomistry, (31) 413.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 parasitology, (26) 174; (30) 536, 654; (31) 177, parasitology—
of domestic animals, (26) 882.
of man and domestic animals, (32) 777.
parks, (36) 743.
partridges, (27) 774.
pastures, Alpine, (26) 130.
pathological technique, (28) 276; (40) 676.
pathology, (27) 576; (28) 178; (29) 174; (31) 276.
pathology and anatomy of man and animals, (32) 270; (33) 476.
pathology, special, (36) 378.
pavement specifications, (29) 387.
pavements and paving materials, (31) 385.
peach culture in North America, (30) 42.
peach growing, (40) 149.
peaches of New York, (38) 42.
peat and peat moors, (34) 618.
peat litter, (34) 624.
peat incors and water powers with reference to air nitrogen, (32) 820.
pellagra, (36) 776.
Penicallium, (31) 327.
peonies, (37) 145.
peronnials, (27) 645.
perennials and herbacious borders, (29) 840.
perennials, lardy, (35) 345.
pets. (28) 173: (38) 776.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            parasitology
                                                                     chemistry, (31) 413. condensed, and milk powder, (31) 375; (40)
                             283. desiceated, (29) 777. examination, (40) 376. hygiene, (29) 877; (30) 276; (31) 676; (38) 280. laboratory guide, (34) 571. pasteurization, (36) 274. production cost accounts, (36) 271. products, (37) 777. supply, (20) 478. supply of dries, (37) 174, 874. supply of Massachusetts, (37) 372. supply of Paris, (36) 572. testing, (29) 206; (33) 298. milling and baking, (35) 859; (40) 863. mimiery, (31) 57.
                        testing, (29) 206; (33) 298.

milling and baking, (35) 859; (40) 863.

milling and baking, (37) 755.

mimeral deposits, (30) 719.

molds, breteria, and yeasts, (27) 727.

moor culture, (27) 638; (31) 620.

moorland pustures and meadows, (31) 830.

mose and cik, (38) 83.

mosquito control, (39) 867.

mosquito control, (39) 867.

mosquitoes, (28) 251; (28) 455.

mosquitoes, (28) 251; (28) 455.

mosquitoes, anopheline, of India, (28) 349.

mosquitoes, (28) 251; (37) 762.

motor cultivation, (31) 488.

motors and dynamos, (29) 892.

mules, (31) 470.

mushrooms, (34) 532, 761.

mushrooms of Minuesota, (27) 528.

mutation in plants, (34) 629.

mutation in plants, (34) 629.

mycology and plant pathology, (38) 147.

mycology of water supplies and sewage, (30) 418.

mycoses, (27) 882.

myriapods, (30) 256.

natural science technique, (32) 625.

natural science technique, (32) 625.

natural science technique, (32) 625.

nature sketches in temperate A merica, (26) 346.

nature sketches in temperate A merica, (28) 387; (29),

495; (33) 95, 387; (34) 599; (38) 196; (40) 898.

Nematocera of British India, (29) 57.

nitrogen—

atmospheric, fixation, (29) 417; (31) 822.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 peronnials, (27) 053.
perennials and herbacious borders, (29) 84
perennials, hardy, (35) 345.
pets, (28) 173; (38) 776.
pharmacology for veterinarians, (29) 580.
phasmacology for veterinarians, (29) 580.
pheasants, (35) 275.
phosphates, (33) 126.
phosphates, inorganic, of soils, (27) 21.
phototropism of plants, (39) 223.
Phylloxerinae, (27) 850.
physical-chemical tables, (29) 107, 201.
physical-chemical tables, (29) 107, 201.
physical-chemical tables, (29) 107, 201.
physical-chemical tables, (29) 650.
physical-chemical tables, (29) 650.
physical-chemical (33) 364.
physiology—
and metabolism of growth, (26) 658.
chemical, (37) 501.
comparative, (33) 168.
human, (29) 767.
nutrii(onal, (28) 763.
of invertebrates, (31) 164.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 nutritional, (28) 763.
of invertebrates, (31) 154.
phytopathology, (39) 352.
pleotees, carnations, and pinks, (26) 139.
pig clubs, (40) 96.
pig diseases, (32) 83, 277, 378; (40) 88, 783.
pigeons, (30) 669; (31) 76; (32) 255; (33) 173.
pigs, (26) 668; (27) 470; (22) 769; (29) 872; (3 0) 871; (31) 470, 769; (32) 262; (33) 172, 791; (34) 208; (37) 769.
pigs, large white English, (36) 371.
pine-barren vegstation in New Jersey, (36) 539.
pine, yellow, (31) 444.
pinks, (32) 440.
Pinus, (31) 743.
plant
                               nitrogen-
                             nitrogen—
atmospheric, fixation, (29) 417; (31) 822.
atmospheric, synthetic fixation, (32) 217.
atmospheric, utilization, (30) 26.
metabolism of bacteria, (39) 110.
nucleic acids, (32) 201.
nutrition, (26) 655; (28) 567, 569; (29) 266; (31) 262, 263; (33) 662; (34) 655; (35) 268; (36) 468, 661; (40) 554.
nutrition and clinical dietetics, (39) 567.
nutrition and diet, (30) 463.
nutrition of farm animals, (38) 268.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 plant—
alkaloids, (29) 503; (31) 409.
anatomy, (33) 724.
```

Rooks on-Continued	Books on-Continued.
Books on—Continued. plant—continued.	poultry—continued.
anatomy, physiological, (31) 728; (36) 46.	feeds and feeding, (28) 769.
and animal life, (28) 897.	for fighting and pit purposes, (30) 175. houses, (27) 793; (29) 689; (31) 88, 893.
bases, (31) 10. breeding, (26) 43, 325; (28) 736; (31) 131; (32) 220, 425, 430, 822.	houses and appliances, (26) 188, 591; (38)
220, 425, 430, 822.	190. Francisco (25) 03
breeding in Scandinavia, (29) 636.	keeping, (35) 93. power for the farm, (29) 688.
classification, (29) 216. culture, (28) 235; (35) 499.	preservation of fruits and legumes, (29) 116.
diseases, (26) 51, 142, 242; (27) 746; (28) 345,	preserving and canning, (39) 317, 716, 808. preserving and pickling, (39) 614.
(31) 241, 539, 745; (33) 646; (34) 49, 794;	preventive medicine and hygiene, (38) 882.
diseases, 26) 51, 142, 242; (27) 746; (28) 345, 745; (29) 160, 546, 644; (30) 240, 347, 745; (31) 241, 539, 745; (33) 646; (34) 49, 794; (36) 540, 645; (39) 148; (40) 47,	protein—
diseases and injuries, tropical, (32) 340.	anaphylaxis, (32) 79. and humin substances, (34) 708.
diseases and pests, (35) 835; (36) 236. distribution by ocean currents, (38) 125.	chemistry, (29) 408.
exploitation, (40) 524. galls, (26) 658; (30) 852.	in the diet, (28) 567.
galls, (26) 658; (30) 862. genetics, (40) 817.	metabolism, (28) 167. split products in relation to immunity and
plant growth—	disease, (30) 379.
and soil conditions, (34) 321.	proteins, (26) 801; (27) 803; (31) 607; (39) 801.
and soils, (39) 512. as affected by smelter fumes, (28) 623.	proteins, physical chemistry, (38) 708. protozoa, (29) 360.
plant—	protozoa, pathogenic, (26) 246, 865; (27) 460, 551;
histology, (34) 727. kingdom raw materials, (36) 628.	(36) 177. Protozoology (26) 882: (27) 356
life, (31) 32; (35) 128.	protozoology, (26) 882; (27) 356. pruning, (33) 838; (37) 41, 344; (38) 539.
life and evolution. (26) 528.	public nearth, (31) 387.
microchemistry, (32) 308. names, (38) 125.	public health legislation in United States, (34) 661.
nutrition, (34) 135, 326.	pumps and suction dredgers, (37) 585.
nutrition and manuring, (36) 114.	pumps, centrifugal, (34) 482.
parasites, (31) 539. pathology, (36) 645.	rabbits and cavies. (38) 577.
physiology, (27) 219; (31) 323; (32) 520; (33)	rabbits, (31) 370, 770; (33) 174; (37) 775; (38) 174. rabbits and cavies, (38) 577. rabies, (29) 679; (37) 480.
425; (36) 429; (37) 220; (38) 728.	radioactivity of soils and waters, (33) 809. rainfall, reservoirs, and water supply, (31) 511
propagation, (35) 642; (38) 539.	rats, (40) 546.
propagation and breeding, (37) 795.	raw materials of plant kingdom, (39) 430.
stimulation, (27) 331.	reagents and reactions, (39) 803. reconstruction in France, (39) 689, 892.
succession, (37) 434.	refrigeration, (28) 385.
teratology, (36) 430.	remedies, new and nonollicial, (40) 284.
parasites, (31) 539. pathology, (36) 645. physiology, (27) 219; (31) 323; (32) 520; (33) 425; (36) 429; (37) 220; (38) 728. polsons and stimulants, inorganic, (33) 327. propagation, (35) 642; (38) 539. propagation and breeding, (37) 795. propagation and pruning, (30) 236. stimulation, (27) 331. succession, (37) 434. teratology, (36) 430. plantains, (20) 47. plants, (29) 420. plants—	restraint of domestic animals, (26) 678. rhododendrons, (38) 542.
plants—	rhododendrons and azaleas, (26) 337.
alimentary and medicinal, (34) 533. aromatic, (33) 643. biology of, (30) 429. climbing, (34) 741. colonial, (33) 437; (36) 142. cultivated of East Indies, (30) 697. according of Dutch East Indies (30) 521	rhubarb culture, (34) 232. rice, (31) 834.
biology of, (30) 429.	river discharge, (29) 487; (33) 287; (37) 484.
elimbing, (34) 741.	river regulation, (34) 885.
cultivated of East Indies, (30) 697.	road and bridge specifications, (29) 487. road construction, (26) 393, 789; (31) 685; (37)
economic, or Daton mast mates, (or) one.	590; (38) 592.
economic, of New Caledonia, (30) 445. herbaceous. (27) 346.	road transportation problems, (31) 90.
herbaceous, (27) 346. house, (34) 238, 836; (35) 450. in health and disease, (36) 628.	roads, (27) 492; (28) 84, 382, 486; (29) 388; (33) 393; (35) 583.
in health and disease, (36) 628. irritability of, (30) 429.	roads—
of Connecticut Valley in Massachusetts,	and pavements, (31) 90; (36) 285. earth, (32) 85.
(29) 216.	forest, (31) 185.
ornamental, (37) 746. ornamental, of central Europe, (30) 742.	paths, and bridges, (27) 687. rock gardens, (26) 139; (31) 536, 743.
poisonous, (26) 327.	rockeries, (39) 245.
poisonous to livestock in Great Britain, (37) 688.	root crops, (37) 645.
tropical, (33) 221.	roots of herbaceous plants, (36) 223. rose culture, (32) 339; (33) 644.
tropical and subtropical, (31) 235.	rose culture, (32) 339; (33) 644. roses, (26) 337, 842; (27) 146, 242; (28) 238, 841; (31) 143, 536; (34) 45; (35) 345, 647; (36) 242;
useful, (33) 96. plumbing, (35) 690.	(31) 143, 536; (34) 45; (35) 345, 647; (36) 242; (37) 145, 836; (38) 44; (39) 244; (40) 342.
plumbing, country practice in, (33) 590. poisons, (28) 373.	rotation of crops, (29) 139.
polination by insects, (40) 655.	Rothamsted experiments, (40) 514.
ponies, (31) 470.	Rothamsted memoirs on agricultural science, (32) 120.
ponies, (31) 470. ponies, Welsh, (31) 170.	rubber, (26) 50, 339; (27) 542, 647; (28) 246; (29)
population, Malthusian theory, (34) 594. potash industry, (26) 316.	644; (30) 146, 313, 347, 646, 741; (31) 143, 144; (32) 339; (33) 50, 343; (40) 46.
potato culture, (40) 36, 489, 828. potato diseases of Australia, (30) 48.	rubber-
potatoes, (28) 738; (33) 531; (37) 533, 543, 645;	and resin yielding plants, (34) 838.
(38) 235.	industry, (37) 347. industry in Bolivia, (27) 148.
poultry, (26) 270, 473, 669; (27) 72, 73, 572, 674; (28) 270, 470, 673; (29) 69, 193, 371, 573; (30)	industry of the Amazon, (35) 544.
(28) 270, 470, 673; (29) 69, 193, 371, 573; (30) 270, 572, 696; (31) 270, 474, 568; (32) 173, 570; (22) 27, 272, 473, 570; (23) 277, 473, 570; (23) 277, 473, 570; (23) 277, 473, 473, 473, 473, 473, 473, 473, 4	rural— and urban population of United States,
(35) 11, 115, 415, 385, (34) 209, 311, 410; (30) 391;	(30) 893.
(37) 769, 775; (40) 177, 280, 693.	church, (40) 390, 486.
breeding and management, (36) 668.	communities, (28) 687. community cooperation, (29) 294.
diseases, (30) 687; (33) 681; (34) 280, 481, 881; (35) 284, 379; (39) 393.	credit, (40) 892.
(40) 402) 010, (40) 000.	Denmark and its schools, (34) 196.

Books on-Continued.	Books on-Continued.
rural—continued. development. (28) 790.	social centers in the Southwest, (27) 796.
development, (28) 790. development in Burma, (31) 391. economics, (26) 92; (28) 91, 594; (29) 894;	bacteriology, (27) 728; (28) 34; (33) 791; (36)
(35) 88; (30) 390; (38) 196.	692. chemistry, (30) 512. colloids, (34) 515.
education, (34) 292. housing, (34) 895.	colloids, (34) 515. fertility, (30) 517.
housing, (34) 895. hygiene, (31) 93.	fertility and fertilizers, (26) 521; (28) 423.
improvement, (32) 388. life, (27) 898; (40) 292, 485, 687, 889.	improvement, (28) 632.
life and education, (31) 193. life and labor in Great Britain, (26) 489.	management, (40) 396. organisms, (30) 323. physics, (28) 493; (34) 293.
life conveniences and enjoyments (27) 600	physics and management, (38) 598.
life in Canada, (30) 491. life in United Kingdom. (30) 491, 791.	solution, (26) 122.
problems, (32) 891; (39) 192, 794.	soils, (26) 215; (28) 619, 622, 794; (29) 193, 315; (31) 118, 719; (32) 215; (33) 95, 398, 617; (34) 321, 716,
life in Canada, (30) 491. life in United Kingdom, (30) 491, 791. problems, (32) 891; (39) 192, 794. problems in England and Wales, (31) 295. problems in New York, (30) 491.	793; (35) 214, 421; (36) 114. soils—
sonitation in the Tropics (37) 86	and crops, (30) 695. and fertilizers, (38) 196.
sociology, (28) 595; (34) 790; (38) 89. surveys, (33) 593. welfare, (20) 190.	and plant growth, (39) 512.
welfare, (29) 190.	forest, (26) 338. mineralogical analysis, (35) 16.
salads, sandwiches, and chafing-dish dainties, (32) 560.	of California, (30) 420.
salt and alkali industry, (36) 428.	of Iceland, (30) 119. solutions, (31) 309.
salts, crystallizable, photomicrographs, (36) 804. sand dunes, spits, and wastes, (32) 30.	solvents, oils, gums, waxes, etc., (30) 310. sorghum, grain, (31) 834.
sand dunes, spits, and wastes, (32) 30. sanitation, (31) 387.	soy bean casein, (40) 415.
saxifrages or rockfoils, (34) 45. scale insects, (28) 556.	soy beans, (27) 435. species, origin of, (30) 432.
school— and home gardening, (39) 497.	spices, (26) 242; (34) 166. spiders, (28) 257.
credit for home work, (33) 597.	spore plants, (33) 429.
gardening, (29) 598, 792; (30) 496, 598; (31)	sporotrichoses, (31) 81. spraying, (38) 40; (39) 140.
395; (35) 594; (36) 693; (39) 498; (40) 296.	springs and ground water, (29) 15. springs are growth and yield in high mountains,
lunches, (36) 562.	(34) 347.
science, elementary, (26) 296; (39) 597.	squabs, (30) 175; (33) 173; (37) 775; (40) 280. starch manufacture, (27) 15.
and home gardening, (39) 497. credit for home work, (33) 597. feeding, (29) 162. gardening, (29) 598, 792; (30) 496, 598; (31) 395; (35) 594; (36) 693; (39) 498; (40) 296. hygiene, (30) 790. lunches, (36) 562. schools, rural, (28) 692; (29) 494; (30) 392; (32) 391. science, elementary, (26) 296; (39) 597. seaside planting, (40) 447. seeds and fruits, (27) 729. seeds impurities of, (31) 835.	
	starches, differentiation and specificity, (81) 804. steppes of Spain. (39) 122.
sericulture in Madagascar, (39) 560.	starches, differentiation and specificity, (31) 804. steppes of Spain, (39) 122. sterility in cows, (38) 286. strawberries, (27) 40, 242; (28) 840; (37) 42, 648. strength of materials, (29) 890.
serodiagnosis. (30) 276. serum study, (35) 73.	strength of materials, (29) 890.
serum therapy, (31) 177. serum therapy and diagnosis, (26) 578.	sugar, (27) 413, 615; (31) 804. sugar—
serums, immune, (38) 378. serums, vaccines, and toxins, (36) 575.	analysis, (30) 315; (31) 315. beet industry in Europe, (29) 142.
PATTO TO-	beet seed, (40) 441.
analysis, (33) 206. disposal, (27) 212, 213.	beet seed, (40) 441. beets, (26) 737; (32) 436; (37) 533. cane, botany of, (40) 532.
	industry, chemistry of, (33) 615. manufacture, (29) 113, 312; (34) 508; (37) 114;
disposal plants, (33) 785. sludge, (26) 717. sewerage, (34) 886.	(38) 508.
sewerage, (34) 886. sex evolution in plants, (32) 725.	production, (29) 233; (39) 538. situation, (40) 533.
sex evolution in plants, (32) 725. sheep, (27) 673; (28) 407, 769, 770; (30) 795; (31) 470, 768.	technology, (35) 114, 807.
SDCOD	sweet clover, (29) 833.
and wool, (32) 365. diseases, (30) 182.	sweet peas. (26) 47, 139; (30) 534; (32) 339; (34)
forming in America, (20) 709.	stechnology, (35) 114, 807. swamp lands, (29) 890. sweet clover, (29) 833. sweet corn, (34) 41. sweet peas, (26) 47, 139; (30) 534; (32) 339; (34) 238; (36) 643; (37) 346, 546. sweet potatos, (32) 41, (35) 222
farming in North America, (30) 173. farming on western ranges, (29) 666. industry in Australasia, (32) 261. industry in Australas, (32) 270. management, (26) 570; (35) 772. shellfish industry, (27) 472. Shetland ponies, (30) 270. shrubs, (26) 140, 642; (27) 346; (28) 342; (29) 842; (24) 345.	sweet potatoes, (32) 41; (35) 232. tables for statisticians and biometricians, (32)
farming on western ranges, (29) 666. industry in Australasia, (32) 261.	362.
industry in Australia, (27) 470.	tanning, (33) 18. tannins, (30) 311. tea, (36) 241; (38) 347.
shellfish industry, (27) 472.	ter culture, (39) 449.
Shetland ponies, (30) 270.	tea industry in various countries, (30) 238. terminology of animal and plant structure, (29)
(02) 020.	665.
shrubs and trees, ornamental, (37) 44. shrubs of Florida, (30) 445.	textiles, (30) 598. therapeutic agents, (31) 478.
silage, (32) 567. silos, (28) 790; (30) 389, 670.	therapeutics for veterinarians, (82) 79.
silos and silage, (29) 87.	timber, (34) 537. timber—
silviculture, (28) 343; (31) 143; (35) 346.	laws in United States, (36) 644. of Great Britain, (36) 746.
silvonomy, (33) 541.	of Great Britain, (36) 746. preservation, (38) 243.
skunk culture, (34) 269.	tables, Biltmore, (28) 644. titrations, alkalimetrical and acidimetrical, (38)
snaughternouses, (31) 166. smithing and forging, (36) 287.	109. toadstools and mushrooms, (31) 628.
silos, (26) 790; (30) 389, 670. silos and silage, (28) 87. silos, concrete, (31) 892; (33) 892; (35) 294. silviculture, (28) 343; (31) 142; (35) 346. silviculture, (33) 341. skim milk, (27) 75. skunk culture, (34) 269. slaughterhouses, (31) 166. smithing and forging, (36) 287. smoke, (27) 212. smith funci, (27) 746.	tobacco, (33) 235; (36) 142; (40) 442. tomatoes, (34) 737.

	7. 1
Books on—Continued.	Books on—Continued. veterinary—continued.
tomatoes and salad plants, (37) 645. Torrens system of land registration, (37) 492.	surgery and obstatrics, (27) 881: (28) 583
torrents of Savoy, (35) 346.	surgical operations, (38) 781.
toxicology, (27) 679.	surgical operations, (38) 781. therapeutics, (30) 379; (36) 675. toxicology, (28) 880.
traction farming and engineering, (30) 89.	toxicology, (28) 880.
traction plowing, (26) 89. tractors, (38) 390.	vinegar, (28) 511; (37) 112. vinegar manufacture, (33) 18.
tractors, gas, (31) 590.	vines, (26) 139; (27) 346.
traders, farmers, and agricultural organization,	violets, (29) 149, 543.
(28) 292. transpiration and sap ascent in plants, (33) 127.	vitamins, (32) 578. viticulture, (30) 643; (37) 834.
tree—	viticulture and enology, (35) 744.
diseases, (40) 53.	vocational education, (40) 196.
diseases, (40) 53. surgery, (30) 236.	wage earners, standard of living, (31) 360.
wounds and diseases, (36) 544. trees, (26) 140, 642; (27) 346; (28) 642; (29) 842; (30) 196, 645, 843; (31) 444, 494; (33) 297; (36)	war food, (37) 715. wasps, (40) 553.
(30) 196, 645, 843; (31) 444, 494; (33) 297; (36)	wasps, hunting, (35) 468. waste products, utilization, (40) 415.
194; (39) 144, 047.	waste products, utilization, (40) 415.
trees and shrubs, (30) 445. trees and shrubs—	water, (28) 27, 514. water—
deciduous, of central Europe, (30) 742.	analysis, (26) 418; (29) 506; (30) 12; (31) 785; (32) 807; (33) 206; (38) 313.
of Minnesota, (28) 145. the British Isles, (32) 337.	(32) 807; (33) 206; (38) 313.
United States, (32) 337.	bacteriological examination, (38) 11.
trees—	conservation, (31) 214. conservation by storage, (33) 885.
of America, (29) 441.	examination, (34) 609. flow in pipes, channels, etc., (36) 783. flow of, (35) 490.
California, (31) 837.	flow of (35) 490
eastern United States and Canada, (27) 442.	ground, and wells, (30) 620.
Florida, (30) 45.	hygiene, (36) 586.
Great Britain, (27) 646.	irrigation, (34) 481, 482.
Great Britain and Ireland, (28) 145; (29) 747.	microscopy, (32) 205. power engineering, (35) 786. purification, (26) 28. purification, and sawage disposal (30) 511.
Hawaii, (29) 643.	purification, (26) 28.
Hawaii, (29) 643. Java, (30) 446.	permonion and somego disposar, (or) of the
North Carolina, (36) 645. northeastern America, (28) 342.	purification plants, (34) 390. rights law, (31) 586, 587.
Pennsylvania, (33) 49.	subterranean, (29) 15. supplies, (31) 383, 512; (32) 87, 685; (33) 287,
United States, (37) 346.	supplies, (31) 383, 512; (32) 87, 685; (33) 287,
Pennsylvania, (33) 49. United States, (37) 346. ornamental, of Hawaii, (37) 546. shrubs, and bushes of Europe, (31) 143.	586. supplies, rural, (40) 785.
timber, of United States, (27) 147.	supplies, rural, (40) 785. supply, (34) 83; (37) 187. supply for tarms, (28) 214, 893.
Trombidiidae, (27) 565.	supply for tarms, (28) 214, 893.
timber, of United States, (27) 147. Trombidiidae, (27) 565. tropical diseases, (32) 177. tropical medicine and hygiene, (35) 379.	supply for villages, (38) 488. transporation, (33) 390, 586.
truck crop diseases. (39) 354.	waterworks, (36) 87.
truck crop diseases, (39) 354. truck crops, (30) 639. truck gardening in Florida, (26) 237; (30) 442.	, wattles of Australia, (36) 844.
truck gardening in Florida, (26) 237; (30) 442.	weather, (27) 212, 509; (31) 19; (34) 413. weather—
trypanosome diseases, (29) 77. tuberculin in diagnosis and treatment, (30) 284,	and climate of Chicago, (32) 211.
382.	forecasting, (26) 809; (29) 615.
tuberculosis, (28) 883; (30) 82; (38) 286; (39) 890. tuberculosis, immunization, (36) 182.	wisdom in agriculture, (26) 513. weeds, (32) 232.
tulips, (31) 48.	weeds of Indiana, (29) 144.
tumors, (31) 280.	weevils of northeastern America, (36) 157
turf for golf courses, (37) 146.	wheat, (32) 42; (34) 293. wheat—
turkeys, (31) 271. twins, (38) 574.	and its products, (38) 538.
ultramicroscopy, (26) 82.	crop of India, (29) 789.
urine and other excretions of man and animals, (26) 480.	culture in America, (26) 134. flour, and bread, prices, (40) 792.
vaccination, serum-therapy, and immunity,	Russian, (40) 831.
(27) 76.	world's supply, (40) 244.
vacuum cleaning systems, (32) 89. variations in plants and animals, (26) 227.	wild flowers, (37) 630. wild life conservation, (32) 447.
vegetable—	wine making in France, (34) 690.
gardening and canning, (38) 94.	wine manufacture, (26) 512.
growing on muck land, (36) 236. oils and fats, (28) 511.	wines, (26) 715. winter botany, (39) 628.
vegetables, (27) 144; (28) 435, 538, 740; (38) 343.	women in relation to English agriculture. (35)
vegetables, (27) 144; (28) 435, 538, 740; (38) 343. vegetables of California, (29) 435. vegetables mythele (27) 288	891.
vegetation, British, (27) 328. vertebrates, (27) 452.	wood— as building material, (35) 147.
vetch, (30) 737.	preservation, (36) 844; (39) 292. pulp, (26) 142.
veterinary—	seasoning, (38) 248. waste utilization, (35) 148.
bacteriology, (26) 276. dissection, (26) 373; (34) 480. law, (35) 278.	waste atmission, (35) 146.
law, (35) 278.	American, (26) 442; (27) 42, 541; (30) 445. of Pacific coast, (35) 649.
medicine, (26) 480, 578, 882; (27) 180, 576; (28) 72: (20) 478: (21) 278: (22) 70, 578, 678:	of See Peulo (30) 351
medicine, (26) 480, 578, 882; (27) 180, 576; (28) 78; (29) 476; (31) 376; (32) 79, 578, 676; (35) 78, 278, 379; (37) 76, 176, 778. obstetrice, (32) 777; (38) 78.	of Sao Paulo, (39) 351. woodworking, agricultural, (36) 693.
obstetrics, (32) 777; (38) 78.	woody plants, anatomy, (37) 821.
pathology, (34) 477. pharmacology and therapeutics, (38) 580. physiology, (27) 679. posology and therapeutics, (34) 777. post-morten technique, (39) 582.	woody plants, anatomy, (37) \$21. wool, (26) \$74; (31) 268; (37) 894. wool industry, (40) 875. wounds of animals, (40) 84. wounds, treatment, (34) 876; (38) 283. yams, (33) 437.
physiology, (27) 679.	wounds of animals, (40) 84.
posology and therapeutics, (34) 777.	wounds, treatment, (34) 876; (38) 283.
post-mortem technique, (39) 582.	yams, (33) 437.
surgery, (27) 377, 475.	yeast and alcoholic fermentation, (34) 711.

The land Continued	Paris said
Books on—Continued. yeasts, bacteria, and molds, (27) 727.	Boric acid— antiseptic and germicidal value, (37) 176.
zebras, (28) 269.	as butter preservative, (28) 277.
gebu cattle, (38) 69.	as fish preservative, (29) 659.
zoological philosophy, (33) 552. zoology, (26) 163, 652; (30) 52, 248.	as food preservative, (30) 364.
zoology, (26) 163, 652; (30) 52, 248.	as milk preservative, (32) 414.
zoology, economic, (33) 652; (38) 456. zootechny, (26) 873; (30) 170, 174.	detection in cheese, (32) 313. detection in milk, (32) 414.
	determination, (32) 804.
Boophilus— annulatus, see Cattle tick.	determination in foods, (32) 506.
annulatus var. microplus, in Australia, (30) 82.	determination in presence of magnesium chlo-
decoloratus, relation to anaplasmosis, (26) 585.	rid, (29) 609.
Borate buffer mixtures, hydrogen electrode poten-	effect on—
tials of, (35) 801.	butter amd margarin, (26) 778. development of fungi, (28) 444.
Borax-	growth of plants, (31) 325.
as food preservative, (30) 364.	metabolism of Aspergillus niger, (30) 630.
as growth stimulant for hemp, (33) 432.	muk. (33) 577.
in fertilizers, effect on corn, (40) 322.	sugar beets, (31) 233. fertilizing value, (27) 327, 628.
larvicidal value, (34) 359. toxicity, (28) 661.	in foods, (36) 466.
use against fly larvae, (31) 654; (34) 160.	in honey, (27) 410.
Bordeoux mixture-	in honey, (27) 410. insecticidal value, (34) 359.
idd-:li1: /20) 150 154 750: /20) 151 540	powdered, lerthizing value, (28) 735.
adhesiveness, (27) 441; (31) 49, 142; (33) 47; (34) 436, (39) (37) 243; (39) 240.	solution, effect on potatoes, (27) 748.
analyses, (27) 141; (31) 49, 142; (33) 47; (34) 436,	stimulation of radishes, (39) 730. Boring machine for stumps, (31) 486.
(39; (37) 243; (39) 240.	Borna disease in horses, studies, (26) 786; (28) 783;
application to under side of grape leaves, (20)	(29) 587.
450. as citrus suray. (33) 649.	Bornetina corium, notes, (29) 752.
as citrus spray, (33) 649. as spray for rubber trees, (35) 459.	Borocera madagascariensis, studies, (27) 456.
as sugar cane dip, (27) 448.	Boron—
as summer spray for alphos, (55) 40.	compounds, nitrogen fixation by, (29) 822; (32)
calculating values, (40) 45. chemistry and fungicidal action, (28) 552	determination in organic matter, (32) 206; (33)
composition (32) 544: (31) 540	713.
composition, (32) 544; (31) 540. copper content, (34) 748.	effect on—
decomposition, (35) 352.	crops and distribution, (39) 429.
reflect ou	development of corn, (33) 522. plant growth, (29) 219; (31) 128; (32) 121;
apples, (28) 47.	(34) 428, 625.
leaf transpiration, (38) 126.	wheat, (38) 22.
plants, (32) 243.; (27) 151, 237, 738; (28) 433, 434; (31) 643, 825; (33) 40; (36) 147. sugar content of saps, (30) 647. transpiration. (39) 826.	wheat and barley, (36) 520. fertilizing value, (27) 128, 500; (28) 34.
434; (31) 643, 825; (33) 40; (36) 147.	fertilizing value, (27) 128, 500; (28) 34.
sugar content of saps, (30) 647.	in animals, (28) 370; (30) 168.
transpiration, (39) 828.	in milk and eggs, (30) 168. toxic effect on plants, (33) 327; (38) 629.
sugar content of saps, (30) 647. transpiration, (39) 828. transpiration from abscised leaves and potted plants, (36) 454. factors affecting efficiency, (28) 537; (31) 50. fungicidal action, (30) 399; (32) 545. fungicidal value, (31) 439, 541; (33) 648; (34) 147; (35) 39; (37) 447; (38) 235, 454; (39) 348, 651; (40) 747. hommade, tests, (33) 549.	Bos-
factors affecting efficiency, (28) 537; (31) 50.	orthoceros, studies, (28) 467. primigenius, notes, (27) 371.
fungicidal action, (30) 399; (32) 545.	primigenius, notes, (27) 371.
fungicidal value, (31) 439, 541; (33) 648; (34) 147;	primigenius, perfect skull, (27) 870.
(35) 39; (37) 447; (38) 235, 454; (39) 348, 651;	spp. hybrid, notes, (28) 68, taurus brachyceros, notes, (28) 767.
(40) 747. homomodo tosta (22) 540	taurus brachyceros, notes, (28) 767. taurus hybrids, fertility of, (26) 163.
homemade, tests, (33) 519. inert and active ingredients of, (26) 658.	urus ininutus n. sp., description, (26) 768.
injurious to apples, (27) 440.	Boscia spp., analyses and digestibility, (32) 167.
investigations, (33) 151.	Boston Chamber of Commerce, floor rules, (26)792
methods of analysis, (32) 296.	Bostra sp., notes, (28) 555. Bostrichidae—
mixing plant, description, (33) 358.	feeding habits, (26) 151.
modified, for grape mildew, (28) 152. neutral and alkaline, (40) 252.	notes, (26) 759.
notes, (35) 46.	Bostrychus—
physico-chemical studies, (31) 802; (32) 242.	gibbleollis, lead-boring, (39) 467.
physiological effects, (28) 247.	monachus, notes, (29) 652.
precipitation membranes, (27) 154. preparation, (20) 530; (30) 153, 107; (32) 243; (39)	Boswellia serrata— gum-oleo-resin, (40) 248.
251. 548. 851: (40) 748. 748. 801.	products, manufacture and composition, (35)
preparation and analyses, (34) 711.	317.
preparation and use, (26) 848; (27) 254; (33) 449,	tapping experiments, (29) 43.
preparation (20) 769; (30) 165, 107; (32) 243; (39) 251, 548, 851; (40) 746, 748, 801. preparation and analyses, (34) 711. preparation and uses, (20) 848; (27) 254; (33) 449, 639; (34) 643; (35) 646; (36) 16, 353; (39) 854; (40) 748, 750.	Botanic—
(40) 748, 750.	gardens-
spraying celory with, (40) 155. spraying v. dusting, (33) 336.	in the Tropics and Subtropics, (28) 820.
stains, removal, (35) 644.	of British Guiana, (32) 236; (35) 643. Saharanpur, report, (27) 537.
studies, (36) 548. tests, (27) 439, 440; (28) 48.	etation
tests, (27) 439, 440; (28) 48.	and experiment plats, Montserrat, report
use, (32) 632. use with lead arsonate, (38) 258.	(26) 534.
v. lime-sulphur mixture for potatoes, (35) 831.	in Honduras, report, (33) 438.
wetting capacity, (27) 753.	Botanical—
wetting power, increasing, (29) 850.	activity in District of Columbia, (40) 726.
Bordorite mixture, fungicidal value, (40) 747.	cross section of northern Mississippi, (29) 518. features of African deserts, (30) 223.
Borecole, notes, (26) 835.	features of Algerian Sahara, (29) 626.
Borers-	geography, meteorological observations in (31)
flat-headed, notes, (28) 653; (36) 554; (87) 566.	614.
injurious to timber, (29) 761.	literature in Washington, D. C., libraries, cata-
of Java, (34) 656. pin hole, studies, (31) 852.	logue, (26) 38. research at Carnegie Institution, (27) 428; (30)
rearing, (26) 59.	228; (32) 429; (33) 220; (36) 327; (37) 524, 630.

52831-26†---8

Botany—	Botrytis—Continued.
agricultural, course in, (37) 795.	unusual spore forms of, (26) 243.
American, unification, (40) 817.	vulgaris, notes, (27) 252; (30) 51, 349, 749.
and phyton the lower relationship (24) 48	vulgaris, studies, (29) 753; (33) 55.
and phytopathology, relationship, (34) 48, bibliography, (26) 596, 629; (27) 31; (29) 327, 626;	
bibliography, (26) 596, 620; (27) 31; (29) 327, 626;	Bots—
(30) 223.	cottontail, notes, (35) 756.
course for high schools, (28) 298.	head and throat, of American game animals
economic, investigations, (33) 741.	(37) 565.
elementary course in, (38) 795.	in cattle, notes, (31) 98.
in agricultural colleges, (32) 393.	of horses, studies, (39) 81, 156, 189, 686.
international catalogue, (35) 29; (37) 630.	Bottle-
laboratory guide, (32) 520.	collecting, description, (34) 751.
lexicon, (32) 219.	tree, Victoria, crown gall affecting, (28) 447.
of Humai (20) 220	
of Hawoi, (29) 239.	Bottling-
of southern Patagonia, (34) 306.	establishments, law in Ohio, (33) 662.
relation to scientific agriculture, (38) 697.	works, inspection in Indiana, (34) 861.
taxonomic, of Washington, D. C., and vicinity,	Botulism-
(37) 435.	antitoxic serum, (39) 788.
taxonomic, scope and relations, (35) 730.	
textbook, (26) 227, 596; (27) 328, 423; (30) 520; (31) 425; (36) 429; (38) 728; (39) 222; (40) 898. treatise, (28) 820; (30) 428; (33) 27; (37) 220, 818.	due to canned goods, (37) 669, 670; (38) 208; (40)
(31) 425; (36) 429; (38) 728; (39) 222; (40) 898.	558.
treatise, (28) 820; (30) 428; (33) 27; (37) 220, 818.	immunization, (39) 388.
tropical, guide. (28) 435.	in man, notes, (38) 383.
tropical, guide, (28) 435. yearbook, (34) 494.	isolation of organism, (39) 788.
Botflies—see also Horse and Sheep botflies.	notes, (37) 165.
in Argentina, notes, (27) 259.	relation to limber-neck in chickens, (36) 681.
notes (20) 454: (26) 456	studies, (33) 866; (40) 176.
notes, (29) 454; (36) 456.	Botys silacealis, life history and remedies, (28) 857
paper on, (40) 259.	Bouchea pinnatifida, analyses and digestibility, (27)
relation to pernicious anemia in horses, (33) 681.	871; (32) 167.
studies, (38) 83; (40) 458, 858.	
Botfly, new, from reindeer, (30) 467.	Bouillon-
Bothriocephalus latus, life cycle, (38) 783.	bacteriological, new, (40) 180.
Bothmocraera flavipes n.g. and n.sp., description,	cubes—
(35) 857.	analyses, (30) 257; (34) 761. composition and nature, (30) 162, 163.
Bothynoderes punctiventris, notes, (31) 654.	composition and nature, (30) 162, 163.
Botor tetragonoloba, notes, (36) 340.	examination, (31) 656, 854.
Botryodiplodia—	examination, (31) 656, 854. making and judging, (31) 554. notes, (31) 658.
champeronis studies (31) 746	notes, (31) 658.
nonvolidity of conve (24) 242	Bouillons, bacteriological, analyses, (40) 310.
m on occupy (90) 750	Bourletiella hortensis affecting soy beans, (30) 753
8p. 01 G0C01111, (30) 700.	Boutelous—
chamaeropis, studies, (31) 746. nonvalidity of genus, (34) 242. sp. on coconut, (38) 758. sp. on oaks, (34) 448.	gracilis, culture experiments, (30) 632.
theobromae, notes, (31) 55; (34) 849; (36) 852; (37) 252, 253; (38) 52, 53, 759. Botryomycosis of the udder in mares, (31) 184.	
(37) 252, 253; (38) 52, 53, 759.	oligostachya, seeding on ranges, (30) 35.
Botryomycosis of the udder in mares, (31) 184.	spp., botanical studies, (26) 830.
Botryorhiza hippocrateae n.g. and n.sp., notes, (37)	Bovidae in British Museum, (30) 767.
_ 552.	Bovidae in British Museum, (30) 767. Bovie potentiometer, value, (38) 284.
Botryosphaeria—	Bovotuberculol, diagnostic value, (26) 180.
berengeriana	Bovovaccine-
induced sporulation in, (36) 752.	use against tuberculosis, (32) 183.
notes, (39) 459, 553.	von Behring's, tests, (29) 884.
studies, (35) 850.	Bowfin, use as a food, (38) 468.
treatment, (37) 652.	Bowlders, blasting, (26) 591; (32) 85.
fuliginosa—	Box-
injurious to cotton, (26) 341.	brush, strength and elasticity tests, (27) 43.
notes, (28) 648.	cecidomyiid notes. (30) 253
moreonii n an decementian (20) 146	cecidomyiid, notes, (30) 253. elder aphid, notes, (38) 257.
marconii n.sp., description, (32) 146.	elder aphid, studies, (38) 560.
minuscula n.sp., notes, (37) 148.	older house motor (90) 50
ribis, treatment, (28) 748.	elder borer, notes, (26) 59.
Botrytis-	elder, poisoning of cows by, (37) 80.
allii studies, (38) 450.	leaf midge, notes, (34) 752.
anthophila n.sp., description, (30) 538; (36) 748. bassiana, notes, (27) 56; (28) 354; (32) 63.	leaf miner, fumigation experiments, (33) 859.
bassiana, notes, (27) 56, (28) 354; (32) 63.	leaf miner, notes, (30) 154; (32) 245.
blight of goldenseal, (39) 853.	scale, notes, (28) 854.
cinerea—see also Grape gray rot.	leaf miner, notes, (30) 154; (32) 245. scale, notes, (28) 854. Boxes, packing, tests, (28) 843.
cultures, cytase in, (39) 247.	Boxwood
notes, (40) 347, 847.	leaf miner, European, (36) 551.
on conifer seedlings, (40) 545.	leaf miner in California, (34) 64.
on peony. (40) 844.	leaf miner, notes, (40) 754.
on peony, (40) 844. studies, (39) 854.	midge, remedies, (39) 362.
detection in fruit tissue, (39) 248. effusa n.sp., notes, (26) 757.	Boy Scouts-
effusa n.sp., notes, (26) 757.	farm colony for, (28) 497.
effusa n.sp., studies, (27) 456.	of Michigan, (28) 99.
on flowers, (37) 47.	Воуз'-
parasitica—	200 (20) 200 mi amainmanta distribution (20)
introduction into United States (26) 245	gorienitarel clube-
introduction into United States, (36) 245. notes, (26) 851.	formation (98) 709
110165, (20) 601.	in Maine (22) 807
on tulips, (39) 653, 858. treatment, (35) 51.	111 Maine, (30) 097.
treatment, (35) 51.	Massachuseus, (30) 597.
relation to Scierotinia nickellana. (39) 250.	agricultural clubs— formation, (28) 792. in Maine, (33) 697. Massachusetts, (30) 597. Michigan, (30) 794. Oklabora, (36) 64.
rileyi, description, (33) 459. sp. affecting dahlias, (30) 151.	Oklahoma, (36) 94. Pennsylvania, (31) 393. West Virginia, (31) 297.
sp. affecting dahlias, (30) 151.	Pennsylvania, (31) 393.
sp. affecting strawberries, (31) 645.	West Virginia, (31) 297.
sp., notes, (28) 552.	notes, (29) 394, 395; (33) 599.
sp. affecting strawberries, (31) 645. sp., notes, (28) 552. sp. on crated strawberries, (35) 458.	agricultural competition, (33) 196.
SD, OR RZ, (38) 454.	and girls'—
sp. on geranium, (39) 857; (40) 249.	agricultural clubs, (28) 194.
sp. on greenhouse tomatoes. (36) 250.	club contests in Canada, (38) 297.
sp., relation to potato stem lesions, (39) 649. spp., notes, (29) 243, 650; (33) 56.	clubs, notes, (28) 895.
spp., notes, (29) 243, 650; (33) 56.	clubs, notes, (28) 395. on the farm, (26) 299. city, agricultural instruction, (38) 194.

Boys'-Continued.	Bracon-Continued.
club work—	sp., parasitic on beet webworm, (26) 250.
manual for rural teachers, (36) 294. paper on, (33) 195.	sp., parasitic on cotton bollworm, (33) 750. sp., parasitism, (38) 364.
school credit for, (33) 799; (36) 293.	(Tropidobracon) meromyzae n.sp., description, (31) 355.
animal husbandry course for, (35) 396.	Braconidae, British, notes, (31) 159; (32) 454; (40) 862.
food production by, (38) 795. gardening for. (36) 496.	Braconids, cocoon-spinning habits, (40) 761. Brahmaeidae, monograph, (32) 850.
in Arkansas, (33) 95.	Brain-
Canada, (40) 396. Massachusetts, (31) 598; (34) 394.	extraction of poison from, (28) 280. gaseous exchange of, (28) 765.
Michigan, projects for, (33) 792.	Brains of domestic animals, (31) 168.
Nebraska, (32) 598. Nevada, (34) 899.	Brake, prony, description and use, (29) 488. Bramble flea louse, notes, (28) 752.
iural schools, (32) 693.	Bran-sec also Corn bran, Rye bran, Wheat bran, etc.
Utah, (31) 693. instructions for, (31) 298.	570, 769; (30) 371; (31) 73, 168, 366, 467, 863; (32)
material supplied to, (33) 792.	169, 465, 862; (33) 71, 371, 568, 665, 759; (34)
notes, (29) 93; (33) 898. organization, (31) 499, 793, 794; (32) 596, 692;	Bran—sec also Corn bran, Kye bran, w heat bran, sec. analyses, (26) 362, 768; (27) 68, 171, 371; (29) 467, 570, 769; (30) 371; (31) 73, 168, 366, 467, 863; (32) 109, 465, 862; (33) 71, 371, 508, 665, 759; (34) 168, 371, 663; (35) 374; (36) 65; (37) 873; (38) 666; (39) 370; (40) 768. analyses and use in bread making (39) 870.
(31) 793.	analyses and use in bread making, (39) 870. as human food, (34) 460.
contest clubs, dangers in, (33) 296. contests in Rhode Island, (25) 299.	bacterial flora of, (32) 75.
corn and pig clubs, combining, (30) 694.	detection of ustilaginous spores in, (26) 408. determination in flour and bread, (38) 206.
in Alabama, (26) 298, 794.	determination of smut spotes in, (36) 146.
Kentucky, (32) 197. Philippines, (30) 395.	digestibility, (34) 760. effect on baking qualities of flour (21) 356; (30)
South Carolina, (28) 792.	363, 556.
Philippines, (30) 593. South Carolina, (28) 792. notes, (27) 395; (28) 796; (29) 193; (31) 693; (32) 893; (33) 598. corn growing contests, (29) 193. demonstration work in the South, (20) 598; (32)	fermenting power, (31) 413. manurial value, (40) 127.
corn growing contests, (29) 193.	methods of analysis, (29) 311.
demonstration work in the South, (20) 596; (32)	toxic, detection, (32) 178. toxicity, (31) 555.
farm labor camp, (40) 96. field crop competitions, (34) 403.	v. cats for milk production, (30) 576. Branch and twig borer, notes, (29) 657.
cordoning offins in Knode (SISDO, (XI) 095.	Branding chute for cattle, description, (26) 385.
high school, in agriculture, (40) 598. industrial and vocational training, (28) 499. industrial clubs in Oregon, (31) 393; (32) 394.	Brandy— adulteration and misbranding, (29) 766.
industrial clubs in Oregon, (31) 393; (32) 394.	Federal tax on, (35) 646.
menus, (29) 464. metapolism, (40) 868.	judging, (26) 209. Brasemopsis halysidotae n.sp., description, (31) 355.
metabolism experiments, (28) 260; (35) 370.	Brassica—
mobilization for farm work, (37) 199; (39) 90, 597, 693.	campestris, dissemination by farm animals, (26) 839.
pig clubs—	grafts, studies, (29) 434. juncea, studies, (36) 228. nigra, notes. (30) 115.
in Alabama, (29) 792; (31) 794. in Louisiana and Georgia, (31) 598.	nigra, notes, (30) 115.
organization, (30) 395.	of Japan, key, (40) 626. Raphanus hybrids, studies, (29) 320.
potato clubs, organization, (27) 298. potato growing contests in Canada, (31) 194.	seeds, blometrical study, (30) 331.
poultry clubs, organization, (30) 395. purposeful occupations, (31) 499.	spp., genetic studies, (27) 533. Brassolis—
stock judging contest, (27) 395, 396.	isthmia in Panama, (38) 58.
stock judging contest, (27) 395, 396. training farm in South Australia, (26) 799.	isthmia in Panama, (38) 58. sophorae, notes, (26) 354; (35) 257, 358. Braula coeca, notes, (26) 781.
training in cooking, (30) 598, 763. Working Reserve in New York, (40) 591.	Braxy—
Brabantia rhizoletica, redescription, (38) 766.	etiology, (37) 380. immunization, (26) 578.
Brachistella— acuminala, notes, (33) 357.	immunization, (26) 578. in lambs, (34) 383. in sheep, (20) 179.
new genus, description, (26) 152. Brachyncautha of North and South America, (26)	in sneed, studies, (20) (02.
657.	like disease of sheep, (39) 686. Brazil-nut oil, digostibility, (38) 868.
Brachycolus tritici, studies, (35) 757. Brachydeutera argentata, notes, (38) 557.	Brazil nuts, microscopic identification, (28) 565.
Brachymetta in domestic antiliais, studies, (20) 412.	Bread— aleurone cells in, digestion, (40) 267.
Brachyopa n.sp., notes, (34) 551. Brachypodium pinnatum, analyses, (33) 466.	analyses, (32) 354; (34) 460.
Brachypodium pinnatum, analyses, (33) 466. Brachyrhinidae, notes, (30) 856. Brachysm in cotton and other plants, (32) 731.	and bread cereals, textbook, (32) 559.
Bracyhsporium phragmitis n.sp., description, (27)	and the baking industry, (40) 460. antineuritic properties, (38) 481.
848. Brachytarsus niveovariegatus, parasitic on white	army, digestibility, (29) 864. as affected by—
wax coccid, (35) 256.	hard water, (26) 761.
Brachytrypes achatinus, notes, (28) 249, 353, 753. Brachyunguis n.g. and n.spp., descriptions, (40) 650.	sait, (30) 462. wrapping, (34) 761.
Bracken-	as food, (36) 464, 466.
as source of potash, (37) 427, 817; (39) 220, 626; (40) 321.	as source of infection, (26) 562. bacterial changes in, (27) 664.
eradication (36) 740.	bacterial contamination, (27) 764. baked, sterility of, (26) 155.
poisoning in cattle, (34) 383; (39) 891. poisoning in horses, (37) 182; (38) 589.	barley, reaction and salt effect, (40) by.
Bracon— brachycerus, notes, (26) 861.	black, making, (36) 159. blood, analyses, (33) 865.
brevicornis, see Habrobracon brevicornis.	Bulgarian, description, (21) 506.
hebetor, see Habrobracon hebetor, hylobii, notes, (32) 852.	changes in— during baking and staling, (34) 859.
nearctic species, (37) 360.	during cooking, (32) 354.
sp., notes, (30) 659.	on aging, (32) 356.

Bread-Continued.	Bread—Continued.
chemistry of, (26) 761. composition and digestibility, (30) 461.	Bread—Continued. mustiness in, (36) 261. nutritive value, (26) 259, 358. nutritive value and cost, (37) 165. of Kaingang Indians of Brazil, (33) 752. oven temperature for, (33) 565. physical chemistry of, (29) 564; (33) 162, (40) 171. poisonous, (34) 660; (38) 712. porous, from starch, (34) 460. prices in France, (38) 694. prices, three centuries of, (40) 792. purchasing and use. (38) 867.
composition and nutritive value (34) 760	nutritive value and cost, (37) 165.
conservation in United States, (38) 792. containing sugar, spoiling, (34) 660. crumbs, analyses, (30) 68; (37) 268. dechlorinated, (40) 461. detection of survival (27) 504	oven temperature for, (33) 565.
crumbs, analyses, (30) 68; (37) 268.	physical chemistry of, (29) 564; (33) 162, (40) 171.
detection of alum in, (27) 504.	porous, from starch, (34) 460.
determination—	prices in France, (33) 694.
and distribution of moisture in, (36) 506. of acid content, (33) 14.	pinces, three centuries 01, (40) 42. purchasing and use, (38) 867. relation to dental caries, (26) 867. ropy, (32) 659; (40) 66, 172, 360, 556, 863. rye-potato, digestive disturbances from, (33)
nour content. (34) 113.	relation to dental caries, (26) 867.
indigestible residue, (39) 502. loaf volume, (29) 565. quality, (29) 864.	rye-potato, digestive disturbances from, (33)
quality, (29) 864.	361.
diet, protein supply in, (31) 860. diet, relation to polyneuritis in fowls, (32) 476.	salt-rising, notes, (30) 462. salt-rising, studies, (26) 562.
diet, relation to polyneuritis in fowls, (32) 476. digestibility, (26) 358; (27) 462; (29) 565, 660; (35) 468; (36) 661; (40) 460.	salt-rising, studies, (26) 562. scaling weight of, (31) 558. score card for, (30) 859.
digestibility as affected by phosphates, (34) 660.	seasoning, digest of data, (33) 361.
dried, analyses, (38) 67.	self-rising, paper on, (29) 465. situation in Switzerland, (40) 525.
effect on intestinal flora, (40) 867. electric oven for baking, (29) 263. examination, (30) 258, 664, (32) 162; (33) 659. fermentation as affected by acids, (27) 268.	slimy, studies, (27) 462, 661, 808. stale, digestibility, (35) 469.
electric oven for baking, (29) 263.	stale, digestibility, (35) 469. stale, notes, (27) 764.
fermentation as affected by acids, (27) 268.	stale, notes, (27) 764. stale, studies, (28) 861; (30) 859; (37) 363. staling, (34) 888, 859; (35) 162, 163. stringiness in, (26) 463.
fermentation, studies, (29) 864.	staing, (34) 858, 859; (35) 162, 163. stringiness in. (26) 463.
fermentation, studies, (29) 864. field, notes, (32) 460, 562. food value of different types, (34) 459.	Studies, (39) 300.
for armies in the field, (26) 464. for special diets, analyses, (26) 404.	substitutes for diabetic patients, (36) 560. supply of Fargo, (39) 67.
from dingrent nours, digestibility, (40) 300, 500,	supply of French Army, (37) 263.
657. from soft wheat flour. (27) 867.	tobacco in, (31) 857. treatise, (29) 361, 660. use, (38) 567.
from soft wheat flour, (27) 867. from sprouted wheat, (27) 764. from sweet potatoes, (40) 267.	use, (38) 567.
from wheat substitutes, (39) 470, 769, 870, 871;	war, analyses, (35) 367. war, digestibility, (34) 660.
(40) 360, 657.	weighing, (26) 358. white, nutritive value, (36) 158.
handbook, (27) 267. home-baked, palatability, (35) 469.	white, studies, (28) 458. wrapped and unwrapped, composition, (32)
improvers, notes, (26) 358. in the diet, (37) 364.	wrapped and unwrapped, composition, (32) 354, 355.
infection by pathogenic bacteria, (35) 264.	wrapping, studies, (32) 659.
keeping quality, improving, (33) 752.	yeast, studies, (26) 562. yoghourt, notes, (27) 765.
leavening agent from chick-pea, (34) 560. leavening agents for, (33) 60.	Breadfruit—
ime, description, (30) 859.	analyses, (32) 761. analyses and use, (30) 363.
making, (40) 172. making—	dieback and leaf cast, (38) 350.
and judging, (30) 164. bacteria in, (30) 859.	disease, notes, (37) 838.
Dolled Water in, (28) 660.	for pigs, (37) 768. fungus disease affecting, (28) 153.
butyric fermentation in, (35) 163. calcium carbonate in, (40) 461.	recipes, (28) 660. roof disease, notes, (27) 445.
calcium chlorid in, (29) 565; (31) 357.	roof disease, notes, (27) 445. scedless, propagation, (31) 142; (32) 143. Breakfast—
calcium glucosates in, (40) 460. calcium in, (32) 161.	as affecting working power of men, (39) 68.
chemistry of, (37) 165; (38) 567. chemistry of, treatise, (31) 657.	as affecting working power of men, (39) 68. small, effect on heat production, (40) 868. Breed, definition, (34) 466.
contests in Rhode Island, (28) 299.	Breeders' organizations, cooperative, (32) 468. Breeding—see also Animal breeding and Plant
diastase in. (29) 765.	breeding.
dried potatoes in, (32) 252. durum wheat for, (33) 564.	experiments, recording types of mating in, (34) 72.
from uprofiled wheet (40) 460.	numerical results of diverse systems, (34) 764.
from whole wheat, (35) 555; (39) 669.	problems, application of genetics to, (39) 877.
in the nome, (37) 364.	problems, mathematics in, (38) 367. Breezes, land and sea, (32) 25.
from whole wheat, (35) 555; (39) 669. in the home, (37) 364. industry in Milan, (32) 252. lactic acid in, (33) 884. lessons in, (28) 299; (34) 693. limewater in, (40) 66, 267, 461. municipal, treatise, (31) 855. notes, (31) 298, 299; (35) 889; (36) 663; (37) 468. pottoes in, (33) 168, 385, (40) 556	Bregmatothrips venustus n.g. and n.sp., description, (27) 454.
limewater in. (40) 66, 267, 461.	Bremia—
municipal, treatise, (31) 855.	graminicola n.sp., description, (30) 240. lactucae, notes, (37) 550.
problems in, (28) 564.	lactucae on lettuce, (32) 341.
problems in, (28) 564. relation to atmospheric conditions, (33) 752.	Bremiella megasperma n.g. and n.sp., notes, (32)
rice flour in. (33) 260.	442.
rye and barley in, (40) 556.	Brendel, F., biographical sketch, (28) 716. Brevicoryne—
sugar beets in, (34) 660.	brassicae, see Cabbage aphis.
sugar beets in, (34) 660. sugar in, (32) 761; (33) 162, 461. treatise, (26) 357.	new genus, erection, (40) 650. Brevipalpus obovatus, notes, (32) 557; (40) 656.
yeast nutriments in, (36) 261.	Breweries, fermentation processes in, (29) 509.
yeasts for, (39) 203. meal, analyses, (34) 665.	Brewers' grains— analyses, (26) 72, 266, 267, 362, 363, 568, 714; (27)
measurement of acidity, (40) 66, 115.	analyses, (26) 72, 266, 267, 362, 363, 568, 714; (27) 570, 670; (28) 572; (29) 570, 769; (30) 565, 868; (31) 467; (33) 170, 759, 870; (37) 471; (38) 369, 665; (39) 270, 778; (40) 72, 571.
method for recording appearance, (26) 357. method of keeping fresh, (30) 184.	665; (39) 270, 773; (40) 72, 571, 471; (38) 369,
methods of analysis, (32) 505.	ash analyses, (29) 861.

Brewers' grains—Continued.	Bridges—Continued.
composition and digestibility, (27) 669.	law in Missouri, (31) 590.
digestibility, (35) 168.	law in Missouri, (31) 590. law in Ohio, (35) 493.
dried—	materials for roadways of, (29) 785.
analyses, (20) 165, 468, 568, 665, 770; (27) 68,	motor truck loads for, (36) 489.
analyses, (26) 165, 468, 568, 665, 770; (27) 68, 170, 570, 774, 775; (28) 265, 374, 464, 465, 669, 769; (29) 270, 367, 467, 666, 769; (30) 67, 68, 160, 565, 868; (31) 366, 467, 603, 766, 863; (32) 169, 259, 465, 568, 667; (33) 71, 371, 568; (34) 72, 169, 263, 371, 467, 566, 665; (35) 373, 374, 562, 867; (36) 167, 288, 667, 765; (37) 268, 767; (38) 67, 368, 369; (39) 167, 270, 370; (40) 470, 665.	of California, notes, (29) 386.
100, (20) 210, 301, 401, 000, 100, (30) 01, 03, 160 565 262 (21) 266 467 662 766 969 (20)	paper on, (29) 291, 292.
169, 259, 465, 568, 667: (33) 71, 371, 568: (24)	reinforced concrete, tests, (31) 91.
72, 169, 263, 371, 467, 566, 665; (35) 373, 374	reinforced concrete, treatise, (30) 788.
562, 867; (36) 167, 268, 667, 765; (37) 268, 767;	roads, and paths, freatise, (27) 687. short-span, designing, (28) 684.
(38) 67, 368, 369; (39) 167, 270, 370; (40) 470.	slab and girder, plans, (38) 189.
665.	small, for country roads, (28) 485.
as a feeding stuff, (33) 467.	specifications, (27) 891; (29) 487.
effect on milk production, (26) 273.	steel—
feeding value, (26) 72. for mules, (30) 772.	abutments for, (31) 890.
for mules, (30) 772.	and concrete highway, specifications, (34)
drying, (27) 669.	685.
extracts, behavior in fermenting mixtures, (27)	paints for, (36) 384.
fermenting power, (31) 413.	specifications, (29) 688; (32) 884. trail, construction, (34) 191.
for cows, (26) 476.	Brilliant green—
methods of analysis, (29) 311.	antiseptic value, (39) 586, 680; (40) 285, 581.
nutritive value, (29) 665.	for purification of vaccine virus, (39) 80.
starch content, (26) 808.	Brine—
Brewers' yeast—	effect on microorganisms, (30) 223.
composition and digestibility, (34) 165.	from fermentation of pickles, analyses, (34) 714.
dried, analyses, (33) 568.	from the ocean and salt lakes, composition, (28)
nutritive value, (36) 864.	725.
refuse, composition and digestibility, (33) 568.	microorganisms in, (30) 431; (33) 525.
use as a tood, (35) 266.	of central Oregon, (32) 280. salts, analyses, (38) 411.
Brewery—	Saits, analyses, (38) 411.
by-products, analyses, (39) 270. grains, nutritive value, increasing, (30) 565.	Briquets, tests, (31) 386. Brisket disease—
mash, analyses, (26) 714.	in cattle, (32) 781; (37) 690.
products, composition (36) 864	studies, (40) 482.
products, composition, (36) 864. residue feeds for sheep, (30) 371.	British—
waste, preservation, (34) 767.	Cotton Growing Association, work, (31) 832;
waste, utilization, (34) 262.	(34) 227.
Brick—	Meteorological Office, work, (34) 319.
lava, efflorescence on, (29) 203.	Broad-bean weevil, see Bruchus rufimanus.
laying directly on concrete base, (38) 891.	Broccoli, culture, (39) 345.
mortars, tests, (36) 286.	Brodiaea capitata, root habits, (26) 729.
pavements—	Bromacetophenone as a reagent, (40) 13.
construction, (34) 586.	Bromates, determination, (34) 712. Brombenzone vapor, larvioidal value, (34) 359.
in King County, Washington, (33) 781. in Middle West, (40) 888.	Bromcresol purple—
monolithic construction, (36) 384.	as indicator for tubercle bacilli, (40) 584.
tests, (30) 387.	use in milk cultures, (37) 686.
vitrified, for roads, (33) 686.	Brome grass—
vitrified, for roads, (33) 686. paving, inspecting and testing, (30) 87.	as forage crop, (31) 829.
paving, wire-cut-lug v. repressed, (35) 789.	as pasture crop, (39) 130, 434.
repressed paving, tests, (31) 687.	awnless, culture experiments, (28) 532; (36) 32.
sand-lime, properties of, (31) 91. tests, (30) 788.	composition as affected by irrigation, (28) 332.
tests, (30) 788.	continuous culture, (40) 419.
use on country roads, (28) 890.	culture experiments, (28) 431; (29) 225, 226; (30) 228; (32) 36, 431, 528, 529; (34) 630; (36) 436;
vitrified, for country roads, (30) 86.	228; (32) 30, 431, 528, 528; (34) 630; (36) 436; (40) 136.
Brickwork, tables for, (32) 188.	culture in western Nebraska, (35) 439.
building as affected by the war, (40) 90.	culture under dry farming. (30) 435: (31) 429:
foundations, treatise, (35) 686.	culture under dry farming, (30) 435; (31) 429; (33) 632; (36) 529, digestibility, (32) 770. falso, description and eradication, (29) 142. fold tests (20) 128
paints, tests, (36) 587.	digestibility, (32) 770.
slabs, reinforced concrete, tests, (33) 487.	false, description and eradication, (29) 142.
stringers and ties, creosoting, (37) 386.	Heru 16565, (35) 133.
stringers, fir, tests, (35) 584.	field, variety tests, (40) 232.
timbers, preservation, (33) 544.	Hungarian, culture under irrigation, (33) 228.
Bridges—	in dry farm rotations, (39) 131. irrigation experiments, (28) 130, 133.
and culverts, concrete, treatise, (35) 390.	mountain, growth in relation to weather factors.
concrete—	(39) 809.
forms for, (31) 590. highway, construction, (32) 686.	palatability, (34) 865.
highway, design, (33) 588.	pollination experiments, (37) 735.
internal temperature range. (29) 786.	seed, germination tests, (27) 841.
sigh design (40) 189	pollination experiments, (37) 735. seed, germination tests, (27) 841. seeding on ranges, (29) 531; (30) 35.
specifications, (36) 285. construction, (29) 86, 182; (30) 386. construction and design, (35) 687.	smooth, irrigation experiments, (32) 224
construction, (29) 86, 182; (30) 386.	smut, treatment, (30) 241.
construction and design, (35) 687.	soil moisture removal by, (40) 430.
	variation studies, (30) 36.
construction in Ontario, (38) 189.	Varieties, (30) 434.
construction in Ontario, (38) 189. estimating curves for, (33) 487. floors for, (33) 393; (35) 44. floors for, loading, (35) 86.	water requirement, (32) 127. yields, (29) 631; (32) 531; (40) 735.
floors for loading (35) 88	Bromeliaceae, epiphytic, nutrition, (27) 227.
for remote stream crossings, (35) 391.	Bromids, effect on action of malt amylase, (37) 614.
highway—	Bromin—
construction, (26) 890; (27) 190; (33) 688, 782.	absorption by vegetable oils and fats. (29) 612.
construction, (26) 890; (27) 190; (33) 688, 782. inspection, (33) 782.	as seed disinfectant, (37) 542.
State control, (27) 588.	compounds in table salt. (31) 657.
I-beam and pile, standards for, (31) 890. in Idaho, (28) 890.	determination, (27) 497. determination in presence of chlorids, (35) 803.
in Idaho, (28) 890.	determination in presence of chlorids, (35) 803.
inspection and maintenance, (36) 386.	determination in water, (29) 797.

Bromin—Continued.	Brotolomia meticulosa, notes, (30) 356.
effect on coagulation of mulk, (28) 504.	Broussonetia papyrifera, proteolytic enzyms in
effect on proteins and amino acids, (34) 803.	latex of, (31) 409.
in German potash salts, (38) 726.	Brown rot—
oxidation of carbohydrate mixtures by, (37) 10.	in northern Vermont, (35) 849.
recovery from laboratory waste liquors, (36) 805.	Sclerotinia, hosts of, (33) 247.
toxic effect on plants, (38) 628. use in seed freatment, (40) 443.	studies, (31) 749, 843.
use in seed treatment, (40) 443.	Brown-tail fungus, notes, (27) 456.
water, effect on germination of seeds, (26) 820.	Brown-tail moth—
Bromius vitis, notes, (27) 558.	bacillary septicemia of, (30) 54.
Bromoacetylglucose, preparation, (36) 313.	control, (26) 561, 855; (28) 553; (29) 762; (30) 654;
Bromoacetylaylose, notes, (34) 408.	(33) 57; (36) 456; (37) 251, 563, (38) 145, 159;
Bromus-	control, (26) 561, 855; (28) 553; (29) 762; (30) 654; (33) 57; (36) 456; (37) 251, 563, (36) 145, 159; (39) 750, 760, 764, 864.
erectus, drought resisting qualities, (28) 533.	control—
erectus, fungus parasites, (40) 156.	by starlings, (40) 647. in Canada, (32) 448; (33) 746; (35) 465; (38) 556; (40) 57.
fruit and leaves, anatomy of, (34) 35.	in Canada, (32) 448; [(33) 746; (35) 465;
mollis, rust spores in seeds of, (30) 241.	(38) 556; (40) 57.
rubens, analyses, (33) 466.	
rubens, analyses, (33) 466. spp., culture in New Zealand, (29) 428.	Massachusetts, (27) 455; (28) 643; (30) 98, 743; (33) 144; (36) 843; (37) 646. New Brunswick, (27) 558. New Hampshire, (33) 858; (35) 461.
tectorum, geographical distribution, (26) 335.	743; (33) 144; (36) 843; (37) 646.
tectorum, roots of, (26) 535.	New Brunswick, (27) 558.
uniloides, analyses, (31) 863.	New Hampshire, (33) 858; (35) 461.
uniloides, culture under dry land conditions	United States, (31) 251.
(31) 429.	egg parasite of, (26) 557.
Bronchitis—	important natural enemy of, (26) 350.
in calves, (26) 483.	in Canada, (38) 459. Connecticut, (37) 259.
verminous, in bovines, (31) 85.	Connecticut, (37) 259.
verminous, in bovines, (31) 85. verminous, in dogs, (36) 676.	
Bronchobneumonia—	New Brunswick, (27) 356. Nova Scotia, (30) 752; (36) 853. larvae, poison glands of, (33) 558. notes, (26) 59, 753; (27) 356, 058, 857; (28) 57, 155, 752; (29) 251, 252; (30) 65, 549, 854; (33) 254; (34) 250, 752; (38) 85, 358. parasites of, (28) 859; (30) 460; (31) 355; (37) 459;
contagious, (36) 384. in calves, (39) 290; (40) 887. Bronthispa froggattii, notes, (40) 260.	Nova Scotia, (30) 752; (35) 853.
in calves, (39) 290; (40) 887.	larvae, poison glands of, (33) 558.
Bronthispa froggattii, notes, (40) 260.	notes, (26) 59, 753; (27) 356, 658, 857; (28) 57, 155,
Bronze on bronze, friction coefficients, (36) 682.	752; (29) 251, 252; (30) 53, 549, 854; (33) 254;
Brooder—	(34) 250, 752; (38) 58, 358.
description, (26) 572; (32) 570. house, construction, (35) 773.	parasites of, (28) 859; (30) 460; (31) 355; (37) 459;
house, construction, (35) 773.	(38) 001.
house, colony, construction, (29) 293; (33) 98; (36) 770.	wilt disease, notes, (28) 859.
(36) 770.	Brown thrasher, food habits, (38) 457.
stoves, tests, (34) 178.	Brown top, analyses, (30) 565.
Brooders-	Bruches hibisci, studies, (40) 754.
and brooding, notes, (33) 273.	Bruchidae-
disinfection, (2s) 73.	catalogue, (30) 458.
fresh air, (27) 599.	in Hawaiian Islands, (40) 266.
fresh air, construction, (35) 495.	in South Africa, (40) 861.
notes, (32) 264.	North American, host plants and parasites,
tests, (28) 773; (30) 373.	(26) 861.
Brooding-	Bruchophagus funebris, see Clover seed chalcis fly.
colony, (37) 71. instinct in relation to egg production, (33) 74.	Bruchus—
Production (33) 74.	chinensis, see Cowpon weevil.
Broom—	limbatus, notes, (34) 857.
as a sand binder, (29) 427.	obtectus, see Bean weevil.
com-	pisorum, sce Pea weevil. prosopis, life history, (29) 253.
analyses, (37) 539. as a feeding stuff, (29) 223.	oradrimonulative notes (24) 7511 (11) 170
covered kernel smut on, (39) 756.	quadrimaculatus, notes, (34) 751; (40) 170. rufimanus, control, (39) 256.
culture, (27) 299; (34) 630.	rufimanus, studies, (27) 563.
corn, culture—	spp., control, (39) 664.
experiments (27) 136 520: (28) 532: (20) 225	spp., notes, (27) 155.
experiments, (27) 136, 529; (28) 532; (29) 225, 426; (30) 136; (32) 431; (34) 229; (36) 34;	snn studies (30) 363
(38) 830: (39) 128	spp., studies, (39) 363. Brucin, detection in water, (34) 410
(38) 830; (39) 128. (38) 830; (39) 128. handbook, (29) 737. in Arizona, (32) 226. eastern Oregon, (38) 432. Lowa, (39) 738. New Mexico. (40) 18	Bruggmanniella pisoniae n.sp., description, (27) 57.
in Arizona, (32) 226.	Brunchorstia destruens, notes, (30) 453.
eastern Oregon, (38) 432.	Brush-
Iowa, (39) 738.	disposal, (29) 545.
	feed, analyses, (27) 170.
Texas Panhandle, (29) 430.	ground, analyses, (30) 868.
under dry farming, (31) 429; (37) 329.	meal, composition and digestibility, (29, 373.
corn	pulling, piling, and scattering, (36) 844.
dwaif, culture, (36) 229.	Brussels sprouts—
fertilizer experiments, (26) 830.	finger-and-toe disease, (31) 149.
millet, culture in Texas Panhandle, (29) 429.	pollination experiments, (35) 342.
notes, (29) 395.	Brustseuche-
smuts, cause and treatment, (30) 47.	immunization, (31) 184.
standard, (39) 441. varieties. (26) 733, 830; (27) 736; (29) 32, 222;	investigations, (28) 482.
	immunization, (31) 184. investigations, (28) 482. treatment, (28) 287; (30) 285.
(30) 525; (36) 133, 831; (37) 329; (38) 830, 832.	Bryodia praetiosa (pratensis), see Clover mite.
variety tests, (39) 128.	Bryonia dioica, Mendelian inheritance in, (35) 819.
water requirement, (32) 226, 335.	Bryophyllum—
yields, (29) 32.	calycinum—
yields of stover, (40) 731.	growth studies, (37) 127, 324, 325, 821.
grass, seeding on ranges, (30) 35.	inhibition of regeneration or growth in, (34)
making, notes, (29) 395.	730.
millet, classification, (33) 834.	regeneration, (40) 224.
millet seed, analyses and nutritive value, (33) 870.	root formation and geotropic curvatures of
plant seed, germination tests, (29) 740.	stem, (35) 820.
rape, notes, (37) 289.	culture under shade, (27) 741 Bryonhytes eniphytic on trees in Denmark (36)
Spanish, notes, (29) 441.	Bryophytes, epiphytic, on trees in Denmark, (36) 825.
Broomella zeae n.sp., notes, (37) 148.	Bubble fountains, bacteriology of, (35)
Brossimum alicastrum, analyses, (28) 464.	Bubonic plague, transmission by rat fleas, (30) 254.

Bucculatrix—	Buckwheat—Continued.
canadensisella, notes, (26) 147; (28) 351; (30) 665.	rotation experiments, (40) 229.
ilecella n. sp., description, (33) 748.	rye stalk disease affecting, (26) 546.
thurberiella n.sp., description, (31) 352. thurberiella, notes, (35) 657; (36) 56.	screenings—
Buck beans, new glucosid from, (26) 24.	analyses, (26) 165.
Buckeye, red, toxicity, (10) 778.	analyses and feeding value, (34) 663.
Buckhorn, geographical distribution, (26) 335.	ground, analyses, (33) 371. seeding experiments, (39) 130.
Buckthorn—	starch, studies, (31) 828.
as hedge plant, (37) 241.	studies of species, (27) 137.
varieties, (37) 143.	transpiration and water requirement, (39) 631.
Buckwheat-	732.
analyses, (29) 270; (31) 366. as affected by—	varieties, (27) 31, 137, 638, 736; (30) 228, 435, 525; (31) 829, 831; (32) 431; (33) 33, 34, 632; (34) 630; (35) 528; (36) 32, 437; (38) 634.
chemicals, (32) 538.	025; (31) 829, 831; (32) 431; (33) 33, 34, 632;
preceding crop, (40) 623	(34) 030; (30) 323; (30) 32, 43/; (33) 034.
uranium and lead, (28) 731.	varieties for Alaska, (39) 125. variety tests, (39) 130, 738; (40) 735.
	water requirement, (29) 826; (32) 127.
cover crop for orchards, (33) 240.	yield in relation to physical properties of soils,
green manure, (38) 817; (39) 326; (40) 229, 734.	(33) 815.
nurse crop, (39) 130.	young and mature, salt requirements, (39) 524,
assimilation of phosphorates by (97) 240	630; (40) 425. Bud—
as cover crop, (32) 332. cover crop for orchards, (33) 240. green manure, (38) 817; (39) 326; (40) 229, 734. nurse crop, (39) 130. supplement for wheat, (37) 263, 895. assimilation of phosphorntes by, (27) 340. bran, analyses, (26) 714; (27) 774; (29) 769; (30) 169; (31) 663; (32) 169, 667; (33) 568; (34) 263; (35) 502, 867; (36) 667; (40) 571. bran and middlings, analyses, (28) 464. bushel weights, (37) 889.	
169; (31) 663; (32) 169, 667; (33) 568; (34) 263;	click beetle, notes, (32) 651. development, studies, (37) 324.
(35) 562, 867; (36) 667; (40) 571.	mite, remedies, (38) 468; (40) 266.
bran and middlings, analyses, (28) 464.	moth—
	eye-spotted, notes, (32) 651; (38) 459, 655;
by-products, analyses, (28) 364; (30) 68. chlorin requirement, (36) 439.	(40) 756.
cost of production, (37) 191.	eye-spotted, remedies, (33) 59; (39) 659.
oritical period of growing season (30) 911	in Nova Scotia, (35) 853. lesser, studies, (31) 252, 755; (36) 656.
critical period of growing season, (39) 811. culture, (30) 228; (37) 895; (39) 834.	notes (30) 154
culture—	notes, (30) 154. sport on lilac, (33) 244.
and improvement. (27) 137.	variation—
experiments, (27) 638, 639; (32) 132; (33) 830; (36) 32, 133; (38) 634; (39) 124, 125, 435; (40)	factors in, (37) 433.
(36) 32, 133; (38) 634; (39) 124, 123, 435; (40)	factors in, (37) 433. in Coleus, (32) 726. in dahlias, (40) 447.
735, 825.	in danias, (40) 447.
for chicken feed, (38) 827, in Hawaii, (32) 729.	in oranges, (39) 142, 447, 448. notes, (32) 638.
decomposition in soil, (40) 214.	relation to fruit markings, (29) 147.
effect on following crop, (38) 337; (40) 623.	weevils and other bud-freding insects, (35) 363.
effect on following crop, (38) 337; (40) 623. effect on milk and butter, (34) 570.	weevils, notes, (32) 651.
elongation of hypocotyl, (28) 739.	Buda kale as forage crop for sheep, (28) 267.
feed, analyses, (27) 170, 670; (29) 367; (31) 467; (36) 167; (38) 369.	Budding, notes, (29) 838. Buddleia, notes, (40) 844.
feed, middlings, and offal, analyses, (40) 665.	Buds, anatomical and biological studies, (27) 30.
fertilizer experiments, (26) 331, 527, 725; (27)	Buffalo-
fertilizer experiments, (26) 331, 527, 725; (27) 638; (28) 721, 735, 736; (29) 22, 621, 625, 821; (30) 216, 229, 427, 820; (34) 130; (35) 428; (30)	and cattle hybrid, notes, (28) 68.
(30) 216, 229, 427, 820; (34) 130; (35) 428; (36)	and cattle hybrids, skull characters, (38) 65.
427, 626; (37) 521; (38) 817; (39) 623, 624, 726; (40) 735, 825.	blood, analyses, (36) 779. fats, analyses, (27) 670.
flour, analyses, (26) 714; (39) 870.	fly, bionomics, (39) 467.
flour, analyses, (26) 714; (39) 870. flour, digestibility of protein of, (33) 564. flour, globulin of, (39) 202.	gnats—
flour, globulin of, (39) 202.	American, synopsis, (31) 254.
germination—	notes, (29) 454.
as affected by temperature, (38) 25. tests in hydrogen peroxid, (27) 201.	relation to pellagra, (28) 853. studies, (34) 756.
globulin of, (39) 201.	grass—
growing with soy beans, (39) 741.	
growth-	composition, (27) digestibility, (27) 669; (37) 168.
as affected by stimulants, (35) 434. in association with woods, (38) 734.	hay, chloroform extract of, (31) 71.
in association with weeds, (38) 784.	hay, mineral constituents, digestibility
greenhouses, seasonal variations, (38) 627. heated soils, (31) 216.	(40) 769. water requirement, (32) 127.
water cultures, (38) 627.	meat and beef, differentiation, (30) 314.
hulls, analyses, (27) 170; (29) 666; (36) 268; (40)	meat, nutritive value, (26) 355.
72.	milk, analyses, (27) 473.
hulls, fluorescent substance in, (31) 280.	milk, nutritive value, (26) 574.
liming experiments, (29) 223; (38) 22.	moth, notes, (32) 250.
maltase content, (31) 204. meal, analyses, (31) 663.	tree hopper, notes, (35) 54; (40) 340. Buffaloes—
	American, preservation, (30) 469.
middings— analyses, (28) 665; (27) 670, 774, 872; (28) 669; (29) 666; (30) 109, 868; (31) 366, 663; (32) 667; (33) 71; (34) 72, 203, 665; (35) 887; (36) 167, 268; (37) 268; (38) 369; (40) 665. and offal, analyses, (39) 270. digastibility, (29) 367. milling experiments, (40) 556.	and cattle, crossing experiments, (31) 266, 566
669; (29) 666; (30) 169, 868; (31) 366, 663;	567.
(32) 667; (33) 71; (34) 72, 203, 665; (35) 867;	breeding in Western Transcaucasus, (28) 670.
(30) 107, 208; (37) 208; (38) 308; (40) 000.	domestic, characteristics, (31) 566. East Indian, tuberculosis in, (26) 378. fiagellated organism from ulcers, (26) 784.
digastibility (29) 367	flagellated organism from ulcers, (26) 784.
milling experiments, (40) 556.	Formosan, measurement, (33) 469.
milling experiments, (40) 556. mixed feed, analyses, (30) 169. nematodes affecting, (29) 151.	immunization against hemorrhagic septicemia
nematodes affecting, (29) 151.	(28) 281, 881.
nutrition, studies, (31) 729.	immunization against rinderpest, (38) 484.
nematodes aueteing, (29) 151. nutrition, studies, (31) 729. offal, analyses, (27) 570, 774; (32) 667; (34) 665; (36) 167; (39) 270; (40) 665.	in North America, (33) 470. Indian, milk analyses, (28) 274
	milk yielding, of Bombay, (32) 367.
plants, physiological balance of nutrient media for, (39) 732.	old pictures of, (28) 365.
for, (39) 732.	wood, in Canada, (33) 843.
in pigs, (88) 889.	Bufo— halophilus, economic status, (32) 244
products, analyses, (32) 568; (38) 67.	TOTAL TOTAL CONTINUE SAUGUS (AN) WAS

Bufo-Continued.	Burbot, use as a food, (38) 468. Burdock, lesser, destruction by Metzneria lappella.
marinus, blood parasite of, (26) 883. regularis, protozoan parasites of, (30) 680.	(33) 859.
Bugbane, insecticidal value, (31) 350.	Bureau of Chemistry, Plant Industry, etc., see
Bugyi experimental plat, report, (36) 830.	United States Department of Agriculture.
Building—	Burelte— enterestic description (40) 505
and construction methods, treatise, (29) 86. and loan associations, law in Indiana, (31) 594.	automatic, description, (40) 505. for calibrating Babcock test bottles, (31) 875.
code suggestions, (30) 687	support, description, (36) 805
construction, treatise, (31) 386.	Burgundy mixture—
materials— heat transmission through, (31) 688; (38) 87,	acid and alkaline, (39) 151, 548. as substitute for Bordeaux mixture, (34) 843.
492.	combining with soap, (40) 746.
properties of, (31) 91. stone deposits in Virginia coastal plain, (29) 513.	combining with soap, (40) 746. copper content, (34) 748.
stone deposits in Virginia coastal plain, (29) 513.	iungicidai vaine, (33) 152, (40) 747.
for small farms, (31) 786.	notes, (35) 46. preparation, (30) 153; (40) 252.
insects affecting, (28) 248.	preparation and use, (27) 254; (34) 643.
insects affecting, (28) 248. lightning protection of, (29) 88.	use, (40) 750.
public, inspection in South Dakota, (29) 567.	wetting capacity, (27) 753. Buri palm sap, studies, (30) 16.
feeding experiments with virus of, (30) 181.	Burkheiser salt, fertilizing value, (28) 736; (29) 214;
in mules in Florida, (34) 275.	(30) 326; (31) 518.
notes. (31) 579.	Burnet—
treatment, (33) 179. Bulbilis dactyloides, culture in Hawaii, (32) 729.	analyses, (27) 371. sheep, culture in Rhodesia, (27) 32.
Bulbocephalus n.g. and n.spp., descriptions, (37)	sheep, notes, (30) 431.
558.	Burns, treatment, (38) 885; (39) 488; (40) 780, 883.
Bulbs-	Bursa hybrids, defective inheritance ratios in, (28)
culture experiments, (30) 145.	531. Bursati, studies, (32) 81.
culture, manual, (32) 143. culture, treatise. (31) 743; (36) 643.	Bush—
atherized, enzymatic activities of, (30) 728.	disease in livestock, (26) 581.
flowering, composition and fertilizer requirements, (28) 49.	sickness, prevention, (30) 83; (31) 381.
ments, (28) 49. flowering, culture, (35) 450.	Bushel weight—determination, (33) 534.
of doubtful food value, (32) 855.	determinations, accuracy of, (31) 131.
ornamental, descriptive list, (31) 743.	Busseola sorghicida, notes, (28) 555.
rest neriod in (32) 992	Butcher shops, inspection in Porto Rico, (26) 261,
treatise, (26) 337.	Butchers' goods manufactories for slaughterhouses. (32) 457.
Bulgaria polymorpha on beech, (39) 254. Bulgarian bread, description, (27) 868.	Buteo—
Bull associations, cooperative, (37) 574; (39) 483; (40)	borealis calurus, feeding habits, (30) 654.
79.	platypterus, monograph, (26) 245.
Bullfinches, feeding habits, (28) 450. Bullocks, Deccan, as affected by castration, (32)	Butia palm as a food, (35) 266. Butorides virescens anthonyi, destruction of
865.	
	locusts by, (28) 351.
Bulls—see also Sires.	Butter—
Bulls—see also Sires. dairy, selection, (37) 473.	Butter— abnormal, detection, (27) 812.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by (32) 577
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemis,) 881. influence upon offspring, (37) 373.	Butter— abnormal, detection, (27) 812. absorption of water by (32) 577
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemis, (27) 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 698.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, \$81. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 698. mature, as sires, (31) 475.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldebyde figure, (27) 209.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, ") 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 698. mature, as sires, (31) 475. Bumblebees— and their ways. (30) 52.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (26) 80, 171; (27) 75, 473, 677; (28) 76 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, %) 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 698. mature, as sires, (31) 475. Bumblebees— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inculine. in British Columbia. (33) 658.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (26) 80, 171; (27) 75, 473, 677; (28) 76 178; (30) 76, 178; (31) 359, 509, 576; (32) 675; (36) 571; (38) 660. analysis, miscibility curves in, (26) 508. analytical standards for, (26) 712.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, %) 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 698. mature, as sires, (31) 475. Bumblebees— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inculine. in British Columbia. (33) 658.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (26) 80, 171; (27) 75, 473, 677; (28) 76 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 861.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, (27) 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 688. mature, as sires, (31) 475. Bumblebees— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inquiline, in British Columbia, (33) 658. life history, (38) 564; (40) 170. nesting habits, (40) 655. notes, (27) 456.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76 173; (30) 76, 178; (31) 359, 509, 576; (32) 675; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36)
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, (27) 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 688. mature, as sires, (31) 475. Bumblebees— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inquiline, in British Columbia, (33) 658. life history, (38) 564; (40) 170. nesting habits, (40) 655. notes, (27) 456.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analysos, (26) 80, 171; (27) 75, 473, 677; (28) 76 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36)
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (28) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 160. and milk fat, differences between, (38) 280. as affected by—
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76 173; (30) 76, 178; (31) 359, 509, 576; (32) 675; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 190. and milk fat, differences between, (38) 230. as affected by— age of cow. (38) 578.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, (7) 831. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 688. mature, as sires, (31) 475. Bumblebees— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inquiline, in British Columbia, (33) 658. life history, (38) 564; (40) 170. nesting habits, (40) 655. notes, (27) 459. paper on, (38) 256, parssite of, (32) 759. pollinating— alfalfa, (26) 633; (31) 134; (40) 760. fruits. (28) 237.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76 173; (30) 76, 178; (31) 359, 509, 576; (32) 675; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 190. and milk fat, differences between, (38) 230. as affected by— age of cow. (38) 578.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, (27) 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 688. mature, as sires, (31) 475. Bumblebess— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inquiline, in British Columbia, (33) 658. life history, (38) 564; (40) 170. nesting habits, (40) 655. notes, (27) 459. paper on, (38) 256. parasite of, (32) 759. pollinating— affalfa, (28) 633; (31) 134; (40) 760. fruits, (28) 237. red clover, (27) 359. relation to Nosema apis, (27) 761.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76 178; (30) 76, 178; (31) 359, 509, 576; (32) 675; (36) 571; (38) 660. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 180. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 379; (37) 72.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (26) 80, 171; (27) 75, 473, 677; (28) 76 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 180. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 233. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream molds, (39) 786.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, ") 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 698. mature, as sires, (31) 475. Bumblebees— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inquiline, in British Columbia, (33) 658. life history, (38) 564; (40) 170. nesting habits, (40) 655. notes, (27) 456. paper on, (38) 256. parasite of, (32) 759. pollinating— alfalfa, (28) 633; (31) 134; (40) 760. fruits, (28) 237. red clover, (27) 359. relation to Nosema apis, (27) 761. treatise, (28) 562. Bunias orientalis, heredity of fasciation in, (33) 727.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76 173; (30) 76, 178; (31) 359, 509, 576; (32) 675; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 160. ad milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream quality. (33) 80.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, (7) 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 688. mature, as sires, (31) 475. Bumblebees— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inquiline, in British Columbia, (33) 658. life history, (38) 564; (40) 170. nesting habits, (40) 655. notes, (27) 459. paper on, (38) 256, parsate of, (32) 759. pollinating— alfalfa, (26) 633; (31) 134; (40) 760. fruits, (28) 237. red clover, (27) 359. relation to Nosema apis, (27) 761. treatise, (28) 562. Bunies orientalis, heredity of fasciation in, (33) 727. Bunostomum phlebotomum in Philippines, (37) 277.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76 173; (30) 76, 178; (31) 359, 509, 576; (32) 675; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 160. ad milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream quality. (33) 80.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, (7) 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 688. mature, as sires, (31) 476. Bumblebeas— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inquiline, in British Columbia, (33) 658. life history, (38) 564; (40) 170. nesting habits, (40) 655. notes, (27) 456. paper on, (38) 256. parasite of, (32) 759. pollinating— alfalfa, (26) 633; (31) 134; (40) 760. fruits, (28) 237. red clover, (27) 359. relation to Nosema apis, (27) 761. treatise, (28) 562. Bunias orientalis, heredity of fasciation in, (33) 727. Bunostomum phebotomum in Philippines, (37) 277. Bupalus piniarius— biology and parasites of, (33) 858.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (28) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (26) 80, 171; (27) 75, 473, 677; (28) 76 173; (30) 76, 173; (31) 359, 509, 576; (32) 676; (36) 571; (38) 660. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 160. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream molds, (39) 785. cream quality, (33) 80. fat globules in cream, (29) 579. feeding stuffs, (31) 77, 375; (32) 270; (34) 471, 570; (39) 485.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (28) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76. 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. onalysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 381. and lard, comparative value for growth, (36) 180. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream molds, (39) 785. cream quality, (33) 80. fat globules in cream, (29) 579. feeding stuffs, (31) 77, 375; (32) 270; (34) 471, 570; (39) 485. microorranipme, (26) 578
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, (27) 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 688. mature, as sires, (31) 475. Bumblebees— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inquiline, in British Columbia, (33) 658. life history, (38) 564; (40) 170. nesting habits, (40) 655. notes, (27) 459. paper on, (38) 256. parasite of, (32) 759. pollinating— alfalfa, (26) 633; (31) 134; (40) 760. fruits, (28) 237. red clover, (27) 359. relation to Nosema apis, (27) 761. treatise, (28) 562. Bunias orientalis, heredity of fasciation in, (33) 727. Bupalus piniarius— biology and parasites of, (33) 858. fungus disease affecting, (26) 757. life history, (34) 251.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (28) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76. 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. onalysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 381. and lard, comparative value for growth, (36) 180. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream molds, (39) 785. cream quality, (33) 80. fat globules in cream, (29) 579. feeding stuffs, (31) 77, 375; (32) 270; (34) 471, 570; (39) 485. microorranipme, (26) 578
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (26) 80, 171; (27) 75, 473, 677; (28) 76. 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 180. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 253. cold storage, (27) 376; (29) 268. cotton seed products, (31) 379; (37) 72. cream molds, (39) 786. cream quality, (38) 80. fat globules in cream, (29) 579. feeding stuffs, (31) 77, 375; (32) 270; (34) 471, 570; (39) 485. microorganisms, (26) 576. pasteurization, (39) 78. phosphates, (27) 286.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (28) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 190. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream molds, (39) 786. cream quality, (38) 80. fat globules in cream, (29) 579. feeding stuffs, (31) 77, 375; (32) 270; (34) 471, 570; (39) 485. microorganisms, (26) 576. pasteurization, (39) 78. phosphates, (27) 326. plane of nutrition of cow, (35) 774. preservatives, (22) 778.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analysos, (26) 80, 171; (27) 75, 473, 677; (28) 76 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. analysis, miscibility curves in, (28) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 180. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream molds, (39) 785. cream quality, (33) 80. fat globules in cream, (29) 579. feeding stuffs, (31) 77, 375; (32) 270; (34) 471, 570; (39) 485. microorganisms, (26) 576. pasteurization, (39) 78. phosphates, (27) 236. plane of nutrition of cow, (35) 774. preservatives, (20) 778. salt, (28) 278.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, (17) 821. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 688. mature, as sires, (31) 475. Bumblebeas— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inquiline, in British Columbia, (33) 658. life history, (38) 564; (40) 170. nesting habits, (40) 655. notes, (27) 456. paper on, (33) 256. paper on, (33) 256. parasite of, (32) 759. pollinating— alfalfa, (26) 633; (31) 134; (40) 760. fruits, (28) 237. red clover, (27) 359. relation to Nosema apis, (27) 761. treatise, (28) 562. Bunias orientalis, heredity of fasciation in, (33) 727. Bupalus piniarius— biology and parasites of, (33) 858. fungus disease affecting, (20) 757. life history, (34) 251. yellow disease or jaundice of, (26) 759. Buperstidae— notes, (37) 566. of northern California, (37) 666. of Philippines, (31) 553.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (26) 80, 171; (27) 75, 473, 677; (28) 76 173; (30) 76, 173; (31) 359, 509, 576; (32) 676; (36) 571; (38) 660. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 160. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream molds, (39) 785. cream quality, (33) 80. fat globules in cream, (29) 579. feeding stanfs, (31) 77, 375; (32) 270; (34) 471, 570; (39) 485. microorganisms, (26) 576. pasteur/axtion, (39) 78. phosphates, (27) 226. plane of nutrition of cow, (35) 774. preservatives, (26) 778. solt, (28) 278. soy bean cake, (28) 372.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, (27) 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 688. mature, as sires, (31) 475. Bumblebess— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inquiline, in British Columbia, (33) 658. life history, (38) 564; (40) 170. nesting habits, (40) 655. notes, (27) 459. paper on, (38) 256. parasite of, (32) 759. pollinating— affalfa, (28) 633; (31) 134; (40) 760. fruits, (28) 237. red clover, (27) 359. relation to Nosema apis, (27) 761. treatise, (28) 562. Bunias orientalis, heredity of fasciation in, (33) 727. Bupalus piniarius— biology and parasites of, (33) 858. fungus disease affecting, (26) 767. life history, (34) 251. yellow disease or jaundice of, (26) 759. Buprestidae— notes, (37) 566. of northern California, (37) 666. of Philippines, (31) 553. Buprestidae— notes, (37) 566. of Philippines, (31) 553.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (26) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (28) 80, 171; (27) 75, 473, 677; (28) 76 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 660. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 160. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream molds, (39) 785. cream quality, (33) 80. fat globules in cream, (29) 579. feeding stanfis, (31) 77, 375; (32) 270; (34) 471, 570; (39) 485. microorganisms, (28) 576. pasteurization, (39) 78. phosphates, (27) 226. plane of nutrition of cow, (35) 774. preservatives, (26) 778. salt, (23) 278. soy bean cake, (28) 372. too acid a ferment, (31) 375. bacteria in, (31) 575; (34) 672.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (28) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 568. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 180. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream molds, (39) 786. cream quality, (38) 80. fat globules in cream, (29) 579. feeding stuffs, (31) 77, 375; (32) 270; (34) 471, 570; (39) 485. microorganisms, (28) 576. pasteurization, (39) 78. phosphates, (27) 286. plane of nutrition of cow, (35) 774. preservatives, (22) 778. soly bean cake, (28) 372. too acid a ferment, (31) 375. bacteria in, (31) 575; (34) 672. bibliography, (31) 176.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, (28) 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 688. mature, as sires, (31) 475. Bumblebess— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inquiline, in British Columbia, (33) 658. life history, (38) 564; (40) 170. nesting habits, (40) 655. notes, (27) 459. paper on, (38) 256. parasite of, (32) 759. pollinating— affalfa, (28) 633; (31) 134; (40) 760. fruits, (28) 237. red clover, (27) 359. relation to Nosema apis, (27) 761. treatise, (28) 562. Bunias orientails, heredity of fasciation in, (33) 727. Bupalus piniarius— blology and parasites of, (33) 858. fungus disease affecting, (26) 767. life history, (34) 251. yellow disease or jaundice of, (26) 759. Buprestidae— notes, (37) 566. of northern California, (37) 666. of Philippines, (31) 553. supprestida— in North America, (40) 266. spp., blological notes, (39) 467.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (28) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analysos, (20) 80, 171; (27) 75, 473, 677; (28) 76. 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. analysis, miscibility curves in, (28) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 180. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream molds, (39) 785. cream quality, (33) 80. fat globules in cream, (29) 579. feeding stuffs, (31) 77, 375; (32) 270; (34) 471, 570; (39) 485. microorganisms, (26) 576. pasteurization, (39) 78. phosphates, (27) 326. plane of nutrition of cow, (35) 774. preservatives, (26) 378. soly bean cake, (28) 372. too acid a ferment, (31) 375. bacteria in, (31) 575; (34) 672. bibliography, (31) 176. brands, State and National, (40) 476.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia,	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (28) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analyses, (20) 80, 171; (27) 75, 473, 677; (28) 76 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. analysis, miscibility curves in, (26) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 190. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream molds, (39) 785. cream quality, (33) 80. fat globules in cream, (29) 579. feeding stuffs, (31) 77, 375; (32) 270; (34) 471, 570; (39) 485. microorganisms, (26) 576. pasteurization, (39) 78. phosphates, (27) 326. plane of nutrition of cow, (35) 774. preservatives, (22) 778. solt, (28) 278. soy bean cake, (28) 372. too acid a ferment, (31) 375, bacteria in, (31) 575; (34) 672. bibliography, (31) 176. brands, State and National, (40) 476. catalsse in, (28) 508.
Bulls—see also Sires. dairy, selection, (37) 473. immunization against hemorrhagic septicemia, (28) 881. influence upon offspring, (37) 373. maintenance test with oat hulls, (29) 367. management, (33) 688. mature, as sires, (31) 475. Bumblebess— and their ways, (30) 52. collection of pollen by, (34) 556. domestication, (28) 357. inquiline, in British Columbia, (33) 658. life history, (38) 564; (40) 170. nesting habits, (40) 655. notes, (27) 459. paper on, (38) 256. parasite of, (32) 759. pollinating— affalfa, (28) 633; (31) 134; (40) 760. fruits, (28) 237. red clover, (27) 359. relation to Nosema apis, (27) 761. treatise, (28) 562. Bunias orientails, heredity of fasciation in, (33) 727. Bupalus piniarius— blology and parasites of, (33) 858. fungus disease affecting, (26) 767. life history, (34) 251. yellow disease or jaundice of, (26) 759. Buprestidae— notes, (37) 566. of northern California, (37) 666. of Philippines, (31) 553. supprestida— in North America, (40) 266. spp., blological notes, (39) 467.	Butter— abnormal, detection, (27) 812. absorption of water by, (32) 577. adulteration, detection, (28) 212, 410, 508, 610; (27) 312, 716, 812; (28) 809; (29) 508; (31) 210; (33) 505; (34) 13. adulteration with acetin, (26) 508. aldehyde figure, (27) 209. American creamery, composition, (28) 76. analysos, (20) 80, 171; (27) 75, 473, 677; (28) 76. 178; (30) 76, 178; (31) 359, 509, 576; (32) 676; (36) 571; (38) 666. analysis, miscibility curves in, (28) 508. analytical standards for, (20) 712. anchovy, examination, (29) 361. and lard, comparative value for growth, (36) 180. and milk fat, differences between, (38) 280. as affected by— age of cow, (38) 578. alkali water, (27) 283. cold storage, (27) 376; (29) 268. cotton seed products, (31) 370; (37) 72. cream molds, (39) 785. cream quality, (33) 80. fat globules in cream, (29) 579. feeding stuffs, (31) 77, 375; (32) 270; (34) 471, 570; (39) 485. microorganisms, (26) 576. pasteurization, (39) 78. phosphates, (27) 326. plane of nutrition of cow, (35) 774. preservatives, (26) 378. soly bean cake, (28) 372. too acid a ferment, (31) 375. bacteria in, (31) 575; (34) 672. bibliography, (31) 176. brands, State and National, (40) 476.

Butter-Continued.	Puttor Continued
chemistry and physical constants, (26) 477.	Butter—Continued. inspection—
cold storage— cost, (27) 164.	and sale in Netherlands, (28) 776.
oxidation, (35) 875.	in Maine, (28) 879; (31) 77, 576. in Queenstown, (30) 476.
oxidation, (35) 875. statistics, (28) 869.	international trade in, (27) 574.
collapsible tin tubes for, (28) 776. color, feeding to cows, (38) 680.	judging by score cards, (27) 74. keeping quality, studies, (39) 78
color standard, (27) 575, 678. composition, (27) 879.	keeping quality, studies, (39) 78. law in Denmark, (26) 479.
composition, (27) 879. composition and characteristics, (34) 380.	laws and regulations in Nebraska, (30) 679.
composition, factors affecting, (32) 473.	legal limits, (30) 679; (40) 476. low olein content of, (31) 811. machine, mechanical, tests, (36) 571.
cost of distribution, (29) 492. cost of making, (27) 377.	machine, mechanical, tests, (36) 571.
creamory—	makers convention in Washington, D. C., (35) 275.
manufacture and marketing, (36) 275.	making—
marketing, (36) 776. marketing cooperatively, (30) 593.	directions, (26) 778. experiments, (27) 778; (30) 75, 76; (31) 675. Friwi method, (28) 776.
marketing in Wisconsin and Minnesota	Friwi method, (28) 776.
(39) 580. prices and quality, (39) 581.	history, (28) 370. in Idaho, (28) 76.
temperature at Canadian shipping points,	Northern Europe, (30) 177. Philippines, (39) 785.
(29) 673. temperature at shipping stations, (27) 676.	Philippines, (39) 785. South Australia, (29) 280.
dairy and creamery, Water content, (40) 461.	Sweden, (26) 477,
Danish, hacteriological study, (26) 478.	lime and other alkalis in, (30) 679. loss of fat in, (28) 277. manual, (38) 281.
Danish, examination, (27) 283. detection of—	manual, (38) 281.
added color, (39) 416. benzoic acid in, (28) 208. foreign tats in, (39) 715, 805. pigments in, (36) 16.	neutralized cream in, (35) 277. notes, (27) 179, 283; (28) 371. on the farm, (26) 82; (27) 879; (29) 580; (30) 271; (31) 675; (32) 577; (33) 98, 577; (34) 777; (35) 572, 573; (36) 95; (37) 175; (38)
foreign lats in. (39) 715, 805.	on the farm. (26) 82; (27) 879; (29) 580; (30)
pigments in, (36) 16.	271; (31) 675; (32) 577; (33) 98, 577; (34)
deterioration during storage, (38) 479. determination of—	777; (35) 572, 573; (36) 95; (37) 175; (38) 480, 580.
fat and salt in. (27) 614.	pasteurization for, (27) 179; (33) 473; (38)
moisture in, (26) 806; (27) 312; (28) 474. salt in, (39) 505.	880. starters for, (28) 374; (32) 370.
yellow color in, (35) 278.	starters, propagation, (26) 299. studies, (34) 78, 269.
differentiating various kinds, (26) 610.	studies, (34) 78, 269. treatise, (20) 275, 778.
digestibility, (34) 364. distribution of moisture and salt in, (30) 877.	v. cream selling, (35) 379.
educational scoring, (40) 673.	manufacture, (36) 574; (40) 79, 81, 415.
effect of X-rays on fermentation, (27) 231. effect on growth, (30) 560; (31) 560.	manufacture for storage, (28) 76. market, of Boston, (31) 575.
enzyms of. (38) 479.	marketing, (28) 473; (32) 874; (35) 573; (36) 376.
examination, (27) 412; (29) 280. exhibition in New South Wales, (26) 275.	marketing— by parcel post, (39) 182.
export from Tasmania, (30) 378. export from Victoria, (28) 277.	by parcel post, (39) 182. cooperatively, (26) 92; (38) 494. in Canada, (38) 294. Kansas, (37) 696.
export from Victoria, (28) 277. exports and imports of Canada, (29) 673; (30)	in Canada, (38) 294. Kansas. (37) 696.
574.	MORTH Carolina, (55) 595.
exports of Denmark, (27) 391. factories, cooperative, in Wisconsin, (28) 895.	the South, (32) 577.
factories, management, (36) 574.	method of preserving, (39) 282. methods of analysis, (26) 806; (29) 413; (33)
factors affecting—	258, 505; (40) 311. moisture control in, (28) 474; (29) 777.
composition, (28) 474. quality, (20) 674.	moisture test, description, (27) 311.
water content, (28) 374; (31) 375. fat, see Fat and Milk fat.	mold, cause and prevention, (37) 777.
inity acids of. (29) 508.	moldiness in, (32) 675; (36) 178. monthly receipts, (28) 871.
fishy flavor in, (26) 778; (34) 473 flora as affected by salt, (34) 776.	on, blowing at dasteurizing temperature, (38) 77
from buffalo milk. (28) 670.	ofly flavor in, (36) 773. overrun in (29) 777; (32) 478; (34) 672.
from buffalo milk, (28) 670. creameries in Alberta, quality, (29) 376. ewe's milk, (28) 275; (31) 375. foot-and-mouth diseased cows, (32) 76.	physical and chemical constants, (28) 80.
foot-and-mouth diseased cows. (32) 76.	preservation, (31) 176. preservation with boric soid, (28) 277.
heated cream, detection, (27) 114. mixed and unmixed milk, (31) 475.	preservatives, detection, (31) 508, 811.
mixed and unmixed milk, (31) 475.	prices— as affected by cold storage, (28) 871.
neutralized cream, (39) 384. pasteurized cream, (37) 576; (39) 785.	from producer to consumer. (33) 175.
pasteurized cream, keeping quality, (37) 476.	in Chicago, (32) 490. in Ireland, (31) 96.
	print, variation in weight, (33) 80; (38) 882.
sheep and buffalo milk, analyses, (27) 575. whey, (26) 779; (32) 270, 873.	
whey, branding, (28) 278. gumminess in, (38) 683.	in California, (28) 371.
homogenizer for, (29) 799.	Ireland, (27) 375.
homogenizer for, (29) 799, homogenizing, (29) 880, imports into Peru, (27) 469,	as affected by oestrum, (34) 670. in California, (28) 371. Ireland, (27) 375. Italy, (27) 472. Queensland, (27) 489. winter, (26) 275. relation to escutcheon, (34) 670.
industration United Kingdom, (20) 479.	winter, (26) 275.
industry in— Netherlands, (28) 178.	quality, as affected by—
New Zealand, (38) 281.	quality, as affected by— acidity of cream, (38) 281; (39) 679. legumes, (28) 278. sesame cake, (26) 369.
Sideria, (37) 778. United Kingdom. (28) 178.	sesame cake. (26) 369.
United States, (30) 777, 791; (35) 278.	rancid, as a cause of inteseman accurate, (20) 2100
Netherlands, (28) 178. New Zealand, (38) 281. Siberia, (37) 778. United Kingdom, (28) 178. United States, (30) 777, 791; (35) 278. Wisconsin, (30) 679. inspection, (28) 473.	rancidity, (39) 485. relation to microorganisms, (26) 372.

Butter—Continued.	Buttermilk—Continued.
removal of odors from, (33) 474.	porridge, judging, (40) 807.
removat of odors from, (65) 474.	porridge, judging, (40) oor.
renovated, refractive index, (27) 615.	powder, manufacture, (30) 576.
renovating in Canada, (28) 278.	preparation and use, (34) 471.
renovation, use of lime in, (37) 313.	preservation, (31) 874.
rôle m glycogen formation, (31) 763.	protein content, (31) 413.
google as hibitions at Hango (28) 374	facting (20) 975: (20) 199: (40) 978
scoring exhibitions at Hango, (28) 374.	testing, (30) 875; (39) 182; (40) 378.
shrinkage	utilization, (26) 779.
in, (30) 474.	variation in fat content, (28) 277.
in neinte (98) 76	watered, detection, (30) 508.
in shipping, (39) 580. in storage, (36) 176; (38) 77. tests, (35) 471.	
in shipping, (00) 100.	Butternut-
in storage, (36) 176; (38) 77.	oil, digestibility, (38) 868.
tests. (35) 471.	posts, preservation, (36) 244.
Siberian, examination, (27) 283.	Butternuts, culture in Minnesota, (32) 840.
Siberien on Hemburg merket (21) 675	
Siberian, on Hamburg market, (31) 675.	Butyric acid—
specific heat, (32) 715. spoiling and preservation, (26) 355. standards, (29) 777; (38) 480; (39) 786; (40) 461. statistics in United States, (28) 390; (33) 894.	action of symbiotes on, (40) 464.
spoiling and preservation, (26) 355.	determination, (38) 506; (39) 314.
standards (29) 777: (38) 480: (39) 786: (40) 481	effect on bread fermentation, (27) 268.
statistics in Tinitad States (00) 200: (22) 204	
Statistics in United States, (20) 590, (55) 694.	effect on plants, (37) 224.
sterilization, (29) 280. storage, (39) 770.	in silage, (28) 608.
storage, (39) 770.	rôle in direction (36) 763
storage, as affected by salt. (39) 384.	separation and determination in higherinal
storage, as affected by salt, (39) 384. storage, factors affecting flavor, (29) 71.	separation and determination in biological products, (37) 206.
Stolage, lactors affecting flavor, (28) 11.	products, (37) 200.
streptococci in, (28) 581.	Butyrometer, modilion, for cheese, (29) 511.
substitutes—	Butyrospermum parkii, description, (29) 60.
accessory growth substance in (98) 985	Buzzards-
composition, (32) 63. for, (33) 660; (36) 466. nutritive value, (37) 165. purchasing and use, (38) 867. Swedish "Rune" brand, (34) 572.	bland managinar of (0) \ 000
COMPOSITION, (02) 00.	blood parasites of, (26) 883.
ior, (33) 660; (36) 466.	relation to anthrax, (26) 678; (28) 79, 678.
nutritive value. (37) 165.	relation to hog cholera, (34) 275.
nurchasing and use (38) 867	Drawbidge cotologue (96) 560
Come dials (CD area) broad (24) 570	Byrrhidae, catalogue, (26) 560.
Swedish Rune Drand, (34) 372.	Byturus-
sweets cream, keeping quality, (31) 175. Swiss, characteristics, (26) 372. tallowy, (39) 785. testing, (29) 876. tests in Great Britain, (27) 676. textbook, (31) 488; (40) 283. tree_Lule_speek_cf (32) 613	tomentosus, notes, (32) 448; (33) 652; (40) 265.
Swiss, characteristics, (26) 372.	unicolor, notes, (28) 158.
tellowy (30) 785	
tautowy, (00) 100.	Cabbage—
testing, (29) 870.	analyses and feeding value, (34) 664. and collards, crossing, (31) 438; (35) 35.
tests in Great Britain, (27) 676.	and collards, crossing, (31) 438; (35) 35.
textbook, (31) 468; (40) 283.	antineuritic value as affected by heat and al-
tree India coade of (39) 618	Entra (40) see
1100, 111(110, 500(15 01, (32) 010.	kalis, (40) 565.
tubercie daciiii in, (26) 880; (27) 879; (37) 481.	antiscorbutic value, (39) 771.
tree, India, seeds of, (32) 613. tubercle bacilli in, (26) 880; (27) 879; (37) 481. typhoid infection through, (38) 265.	anhie
valuation, fat v. moisture standard, (35) 378.	control by lady beetles, (34) 555. control by parasites, (37) 459. endoparasites of, (34) 753. false, notes, (39) 762. false, studies, (35) 756. hemolysin in, (40) 650.
Torotoble description (99) 460	control by lady receives, (eg) out.
vegetable, description, (33) 660. vitamin content, (39) 770.	control by parasites, (37) 459.
vitamin content, (39) 770.	endoparasites of, (34) 753.
Vorbruch, manufacture, (26) 372.	false, notes, (39) 762.
wash water, iron salts in, (31) 375.	folgo studios (25) 750
Trates content functors offerting (20) 701	1015t, 5000165, (00) 100.
water content, fractors affecting, (38) 781.	nemolysin in, (40) 650.
whey, see Whey butter.	new generic name, (40) 650. notes, (28) 254; (31) 649; (32) 753; (34) 62. parasites of, (28) 149.
yellow color in, (33) 175.	notes, (28) 254; (31) 649; (32) 753; (34) 62,
yields of different breeds, (29) 475.	norgettee of (96) 140
Destances of direction brooks, (20) 1101	parasios of, (20) 145.
Buttercups—	remedies, (30) 654.
as affected by top dressing, (26) 40.	wing development, (40) 456.
destruction with sulphate of ammonia, (29) 530.	as affected by—
Butterfish, nematodes in, (36) 662.	provious man of cosamo (21) 200
	previous crop of sesame, (31) 329.
Butterflies—	sterilization of soil, (40) 619.
collecting and preserving, (35) 594. common, of United States, (32) 756.	ash analyses, (29) 861.
common, of United States, (32) 756.	bacterial black rot, studies, (33) 346.
injurious to alfalfa, (26) 655.	
injurious to carents (20) 100.	bacterial rot, notes, (29) 547.
injurious to coconut, (39) 160.	black rot—
manual, (34) 552.	notes, (34) 644; (40) 47, 844.
mimicry in, (37) 55.	or brown rot, notes, (37) 150.
North American, mimicry in, (28) 655.	etudios (20) 140
of Australia monograph (24) 452	studies, (30) 149.
of Australia, monograph, (34) 405.	blackleg—
of Australia, monograph, (34) 453. of India, (35) 358.	notes, (39) 52.
pompation of alialia by, (26) 633; (31) 134.	organism, host range, (31) 446.
_ treatise, (27) 558; (37) 358; (38) 260.	studies, (40) 846.
Buttermilk-	handing empirements (90) 600, (90) 40, 041, (00)
	breeding experiments, (29) 638; (38) 40, 241; (39)
analyses, (26) 80; (27) 377; (39) 278. analyses and use, (26) 477.	542,
analyses and use, (26) 477.	breeding for disease resistance, (31) 840.
artificial, manufacture, (34) 474.	bug, see Harlequin cabbage bug.
as affected by-	hattarila
holling (91) EOE	butterfly—
boiling, (31) 505. Bacillus Bulgaricus, (39) 486.	European, remedies, (28) 59. notes, (26) 857; (36) 254. southern, notes, (28) 554. studies, (40) 656.
Baculus Bulgaricus, (39) 486.	notes, (26) 857; (36) 254.
cooking, (29) 160.	southern notes (28) 554
cooking, (29) 160. as food, (37) 669.	nto Aina (10) pec
2004, (01) 000.	studies, (40) 000.
casein from, (39) 386.	py-products of fermentation. (39) 412.
cheese for ducks, (35) 377.	by-products of fermentation, (39) 412. calcium cyanamid for, (31) 524.
cheese, manufacture, (33) 382; (40) 379.	club root—
chemistry and physical constants, (26) 477.	
	effect on ash content of roots, (26) 54, 143.
condensed, analyses, (39) 773.	effect on crucifers, (33) 648.
dried casein from (29) 676.	effect on crucifers, (33) 648. in South Africa, (29) 846.
for chicks, (34) 881; (39) 377.	notes, (28) 447, 344; (31) 143; (32) 48; (33) 647; (34) 241, 842; (38) 541; (37) 550, 551. reduction of tellurium salt by, (31) 820. studies, (31) 642; (37) 454; (40) 50. susceptibility of cruciferous plants to, (28)
for pigs, (27) 179; (33) 762.	(24) 041 040, (26) 711, (31) 140, (32) 40, (33) 047;
fraction from tumbald be still (10) 100	(34) 241, 842; (30) 841; (37) 850, 551.
freedom from typhoid bacilli, (40) 476.	reduction of tellurium salt by, (31) 826.
from pasteurized cream, improvement, (29) 674.	studies, (31) 642; (37) 454; (40) 50
from sheep and buffalo milk, analyses, (27) 575.	Suscentibility of americana plants to (00)
manufacture, (34) 775.	EAT OF CHUCKSTOUS PINITES TO, (28)
mountacourt, (DT) 110.	041.
manufacture and use, (40) 379.	treatment, (29) 752; (31) 842; (33) 848; (35)
market, of Iowa, (35) 572.	48, 150, 245, 458, 548; (37) 150, 248; (38) 648.
metallic flavor in, (35) 276.	-,,,, (01) 200, 210, (00) 010.
	COMPOSITION AS ATTROTACE BY INTEGRATION (92) 329
methods of analysis, (31) 114.	48, 150, 245, 458, 546; (37) 150, 248; (38) 448; (38) 646. composition as affected by irrigation, (28) 382. creamed food poisoning due to (31) 855.

Cabbage-Continued.	Cabbaga_Cartinued
critical period of growing season, (39) 811.	Cabbage—Continued. varieties resistant to rot, (33) 344.
culture, (26) 393; (29) 338, 639; (32) 337; (33) 238;	variety tests, (40) 638.
(35) 36; (37) 143; (39) 140, 345.	vitamin content, (40) 564.
experiments, (27) 430; (28) 740; (29) 331; (32)	water requirement, (32) 127.
132: (34) 636: (35) 141: (38) 40, 241	watering, continuous, (37) 543.
132; (34) 636; (35) 141; (38) 40, 241. for forage, (31) 529; (33) 34.	webworm, imported, studies, (27) 159. webworm, notes, (30) 660.
in California, (33) 537.	winter storage in Holland, (26) 45.
treatise, (37) 543.	worm—
digestion coefficients, (39) 171.	imported, notes, (31) 649.
disease resistance in, (29) 646. diseases, (39) 52, 147.	imported, remedies, (38) 860.
diseases—	in Maryland, (38) 154.
description and treatment, (27) 249: (38) 850.	notes, (29) 652; (36) 254. remedies, (26) 250, 561; (33) 555; (39) 659.
notes, (27) 45; (28) 148; (38) 648; (39) 52, 147.	yellow
studies, (26) 546; (28) 844. dried, antiscorbutic properties, (40) 172.	control, (34) 542; (37) 150.
effect on following crop. (40) 623.	resistant strains, (36) 845.
effect on following crop, (40) 623. electroculture, (28) 326; (40) 428. extract, red, as an indicator, (30) 313.	studies, (35) 544; (36) 248; (40) 156.
extract, red, as an indicator, (30) 313.	Cabuya—
fertilizer experiments, (26) 630, 631; (28) 236, 735,	binder twine from, (27) 534.
fertilizer experiments, (26) 630, 631; (28) 236, 735, 740, 816; (31) 36; (33) 320; (34) 532, 833; (35) 629; (36) 529; (39) 745, field, varieties, (27) 32, 23, 24, 24, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25	fiber, strength of, (29) 313.
field, varieties, (27) 32.	C'acao-
nower necite, notes, (21) 401.	abnormal grow ths, (40) 249. algal disease, notes, (32) 445; (40) 871.
Fusarium disease, relation to temperature, (33)	algal disease, studies, (38) 758.
346. green manuring experiments, (39) 31.	analyses, (38) 8.
growth as affected by sulphur. (32) 724.	and woodpeckers, (40) 251.
growth as affected by sulphur, (32) 724. hardening by exposure to cold, (40) 26.	animal posts of, (30) 246. ant, black, studies, (39) 156.
hybridization experiments, (30) 329.	aphis, notes, (37) 662.
hybrids, inheritance in, (29) 638.	bark beetles affecting, (30) 660.
improvement, (28) 639. insects affecting, (26) 59, 553; (29) 338; (32) 753;	Dean nusks, analyses, (33) 759.
(35) 55; (38) 459; (39) 661.	beetle, notes, (35) 254.
intumescences on, (39) 355.	beetle, trapping, (26) 759. black pod, notes, (31) 645.
irrigation experiments, (28) 131, 134, 135; (31) 732.	brown rot, notes, (36) 746.
irrigation on sandy soil, (33) 287.	budding and grafting experiments, (34) 740;
leaf spot, notes, (37) 551. leaves, feeding and fertilizing value, (39) 628.	(35) 344.
leaves, fermenting power, (31) 413.	butter—
liming experiments, (39) 745.	detection, (29) 613. digestion and absorption, (34) 257.
looper larvae on artichoke, (40) 58.	refractive index, (27) 615.
looper, notes, (33) 352; (38) 154.	cake for cows, (38) 477.
losses in cooking, (28) 460. maggot—	cake, toxicity, (38) 477.
notes, (26) 59; (29) 158; (36) 456, 457.	Canker—
on radish, (39) 362.	notes, (29) 248; (32) 445, 548. studies, (27) 751; (81) 54, 242, 347, 750.
parasites of. (33) 861, 862.	treatment, (30) 543; (39) 152.
remedies, (26) 256; (27) 340; (28) 555; (30) 654 (31) 352, 654; (35) 53; (36) 657; (37) 764.	cercopid pest, (40) 860.
studies, (33) 58; (35) 855.	character and habits, (35) 730.
moth, small, in South Africa, (39) 561.	characteristics, (36) 642. culture, (27) 844; (30) 644; (35) 145; (39) 544, 846;
mulching experiments, (38) 344.	(40) 158.
mulching v. clean culture, (33) 534. palm, of Madagascar, (27) 766.	online-
planting experiments, (28) 236.	and curing, manual, (26) 47. evperiments, (31) 637, 658; (32) 745; (33) 556, 758; (35) 647; (36) 141, 343, 537, 642; (37) 144; (38) 749, 845; (39) 143; (40) 339. in Bahia, (33) 240. Dutch East Indies, (30) 697.
pollination experiments, (35) 342.	experiments, (31) 637, 638; (32) 745; (33)
preservation, (38) 266.	536, 738; (36) 647; (36) 141, 343, 537, 642;
purin content, (40) 205. radish hybrid, description, (31) 236.	in Bahia. (33) 240.
resistance to club root, (33) 52.	Dutch East Indies, (30) 697.
root fly, parasites of, (33) 861, 862.	Grenada, (31) 48.
Savoy, carbohydrates of, (33) 310.	Grenada, (31) 48. Guiana, (31) 391. Hawali, (38) 842.
Savoy, monstrosities of germination in, (32) 825.	Philippines (35) 353: (38) 8
seed— bed, sand for, (35) 141.	Philippines, (35) 353; (38) 8. Samon, (31) 142.
bed, screening, (26) 599.	Uganda, tieatise, (30) 741.
disinfection experiments, (31) 738.	Venezuela, (31) 637.
growing in Canada, (34) 635.	treatise, (28) 542. dieback, notes, (36) 550.
production, (33) 226. production and harvesting, (34) 232.	diseases, (39) 146, 151, 544.
studies, (39) 841.	
treatment, (39) 238.	and pests in Ecuador, (40) 158.
sprayed, arsenic on, (38) 55. stem rot, notes, (34) 241.	in Grenada, (34) 841.
stem rot, notes, (34) 241. storage, (39) 770.	Gold Coast, (37) 349.
storage experiments, (38) 344.	Jamaica, (34) 349; (35) 458. Philippines, (35) 353.
storage house, description, (26) 45.	Uganda, (34) 540; (35) 45.
sulphur in. (31) 817.	
tokras disease, notes, (38) 351. tomato graft, notes, (35) 341. utilization of sugar by, (36) 125.	West indies, (37) 452. notes, (26) 51; (27) 751; (28) 443, 545; (27) 155, 345, 547, 749; (30) 246; (31) 142, 347, 546; (32) 340, 345; (33) 241; (36) 48, 347; (40) 155, 252.
utilization of sugar by, (36) 125.	540: (32) 340, 345: (33) 241: (36) 46, 347: (40)
variation in, (28) 639.	155, 252.
varieties, (26) 631; (27) 736; (28) 539, 740; (29) 41;	studies, (33) 549.
variation in, (28) 639. varieties, (26) 631; (27) 736; (28) 539, 740; (29) 41; (31) 529; (32) 534; (34) 146, 533; (35) 141; (36) 237; (37) 645, 832; (38) 41.	studies, (33) 549. treatment, (28) 145; (27) 750. enzyms, (35) 44. fermentation, (30) 614; (38) 8.
varieties resistant to Fusarium, (31) 446; (33)	fermentation, (30) 814: (38) 8
346: (36) 248.	fermentation, treatise, (30) 712.

Cacao-Continued.	Cacoecia—
fertilizer-	argyrospila, see Fruit tree leaf roller and Archid, argyrospila.
and mulching experiments, (29) 42. and shading experiments, (29) 746.	conflictana, notes, (40) 456.
experiments, (27) 242, 541, 645; (30) 444, 741; 31) 421; (32) 45, 838; (33) 738; (34) 344, 438;	costana, habits and remedies, (29) 758.
(35) 344, 647; (36) 141, 537; (37) 144, 345,	piceana, notes, (34) 855.
648: (39) 143,	lambertiana n. sp., description, (33) 748. piceana, notes, (34) 855. responsana, notes, (27) 57. Cactaceae, studies, (32) 429; (33) 221. Cactil—see also Opuntia and Echinocactus.
flowers, development of female sexual organs in, (32) 235.	Cacti—see also Opuntia and Echinocactus.
fungus diseases affecting, (26) 851. green manure crops for, (34) 344.	accumulation and destruction of acid in, (34)
green menuring experiments (30) 741.	730. acidity and gas interchange in. (30) 429; (35) 227
handbook, (39) 448.	acidity and gas interchange in, (30) 429; (35) 227, adaptability to dry climates, (26) 529, analyses, (32) 166, 769; (33) 70.
hulls, analyses, (30) 466.	analyses and digestibility, (33) 766.
handbook, (39) 448. hulls, analyses, (30) 466. husks for cows, (36) 76. improvement, (28) 736.	analyses and feeding value, (31) 265.
in West Indies (34) 438	as emergency forage, (27) 569, as human food, (33) 64
statistics, (26) 542; (38) 347. treatise, (30) 533.	as human food, (33) 64. as stock food, (33) 70.
treatise, (30) 533.	behavior under cultural conditions, (30) 336, carbohydrate metabolism, (40) 29, 30, 223.
insects affecting, (26) 354, 553; (27) 53, 857; (28) 249; (29) 633; (30) 246, 546, 752; (31) 142; (32) 340; (33) 153, 241, 555; (34) 349, 549, 652, 851; (35) 353, 463; (36) 457; (37) 560; (38) 461; (39) 151, 256, 544, 556, 557, 656.	carbohydrates of, (27) 9.
153, 241, 555; (34) 349, 549, 652, 851; (35) 353,	culture, (31) 137. culture and use, (27) 569.
541, 556, 557, 656.	culture experiments, (36) 332.
leai disease, hotes, (34) 36.	culture in Michigan, (38) 222. culture in southern Texas, (33) 134
leaf spot, description, (37) 755. meal, analyses, (31) 467.	desiccation and starvation experiments, (34) 430.
meal, analyses, (31) 467. mealy bug, studies, (39) 156 moth, parasites of, (29) 855.	destruction, (27) 36; (33) 134.
moth parasites, rearing and liberating, (34) 855.	destruction in Australia, (26) 551; (33) 233; (34) 530.
mulching experiments, (30) 741.	diseases—
pests in Belgian Kongo, (39) 256. pink disease, studies, (37) 52.	in Queensland, (34) 543. notes, (26) 551; (28) 342, 645. studies, (27) 352.
pod disease in Philippines, (37) 148.	studies, (27) 352.
pod disease in Philippines, (37) 148. pod rot, notes, (39) 752, 849. preparation, (29) 340; (30) 614, 712.	distribution, (34) 430. distribution in relation to soil temperature and
products—	moisture, (36) 733. edible, of New Meyico, (28) 860.
analyses, (39) 612. treatise, (29) 312.	ensiling, (33) 70.
use by prehistoric Americans, (38) 167.	for cattle, (31) 77; (32) 769; (33) 766; (38) 571, 774. host plant of fruit fly, (26) 758.
root disease-	host plant of fruit fly, (26) 758.
notes, (27) 445. studies, (33) 448.	induced plant parasites of, (26) 433. insects affecting, (27) 357, 453; (28) 342, 451; (34) 549; (35) 55; (38) 257.
treatment, (31) 549.	(34) 549; (35) 55; (38) 257. ornamental, culture and value, (28) 342.
root diseases—	physiological studies, (37) 524.
in Lesser Antilles, (37) 454.	reversion in, (31) 523. root habits, (26) 729.
notes, (26) 245; (28) 149. rot, notes, (31) 242.	root systems, (30) 827; (39) 29.
selection experiments, (32) 235, 236; (37) 745. selection studies, (39) 243.	seasonal movements in, (35) 27. studies, (26) 35, 529.
shell—	symptomology and morphology, (27) 352.
dust, analyses, (32) 32.	transpiring power, (35) 733. use, (33) 134, 233.
estimation, (40) 612. meal, analyses, (39) 773. separation and uses, (39) 809.	use as fertilizer, (33) 25.
	value for milk and meat production, (28) 169.
shells— analyses, (33) 71, 870; (35) 128,	experimental station at Dulacca, (33) 233.
analyses, (33) 71, 870; (35) 128. as feeding stuff, (38) 368.	fruits, analyses, (40) 763.
composition and digestibility, (32) 666. detection in cocon, (26) 111; (27) 809; (30)	giant, behavior of excised branch of, (35) 820. giant, flowers of, (34) 430.
413.	growth—
determination, (32) 298. determination in cacao preparations, (29)	and colloid hydratation, (34) 34. in relation to light and temperature, (33)
205. 611.	128. metabolism, and imbibition, (38) 729.
digestibility, (30) 862; (31) 766. feeding value, (26) 468.	rate and course of, (40) 30
for dairy cows, (28) 371.	leaves, analyses, (33) 65. midge, notes, (28) 451; (33) 252. narcotic, studies, (34) 336.
shield budding, (30) 644. spraying experiments, (30) 750; (34) 50; (39) 652.	narcotic, studies, (34) 336.
sunstroke or apoplety, notes, (30) 50.	opuntia, culture and uses, (31) 134.
thrips—	parasitic on cactus, (39) 148. polar bear, description, (37) 434.
fungus, trials, (38) 57. notes, (35) 254, 357; (36) 550; (37) 357, 461,	products, analyses, (31) 461. scale, notes, (35) 54.
notes, (35) 254, 357; (36) 550; (37) 357, 461, 652; (40) 856. parasite of, (39) 158.	slabs, analyses, (36) 173.
studies. (28) 353.	solution as an adhesive for arsenical sprays, (32)
tolerance for salt, (27) 824. treatise, (32) 235, 745.	557. spineless—
trees, grafted, yield data, (34) 438.	analyses, (28) 464; (38) 368.
Witches' broom, notes, (29) 851; (36) 149, 846;	breeding experiments, (32) 742. culture experiments, (30) 632; (31) 829.
(37) 838. witches' broom, studies, (34) 848.	diseases, (39) 149.
yleid data, (40) 43.	feeding value, (38) 168. for Arizona, (31) 228.
Cachexia— of ovines, notes, (28) 782.	10F POWS, 13B) 173
osseous and verminous, in equines, (36) 779.	for lambs, (36) 170. notes, (27) 35.

Cactus-Continued.	Calamagrotis canadensis, fungus disease of, (26
spineless—Continued. resistance to cold, (38) 23.	646. Calamistis fusca, studies, (39) 158.
selection experiments, (33) 231.	Calamondin as a stock for cultivated citrus, (32)
weevils, notes, (29) 562. Cacus occanthi, notes, (31) 650.	143. Calandra—
Cadaba juncea, analyses and digestibility, (32) 167. Cadaverin as a source of ammonia, (29) 723.	granaria, see Granary weevil.
Caddice flies, limnephilid, classification, (35) 853.	oryza, see Rice weevil and Wheat weevil. Calaphis—
Caddis-fly, life history and habits, (26) 561. Cadelle—	n.spp., descriptions, (36) 357.
notes, (26) 453; (30) 655.	synopsis, (36) 357. Calaveras Dam slide, (40) 188.
remedies, (27) 258. Cadmium—	Calcareous— deposits from rivers and lakes, analyses, (38)
assimilation by Aspergillus niger, (31) 224.	626.
chlorids, effect on starch ferments, (27) 109. oxid, effect on germination of seeds, (29) 528.	marl, use in agriculture, (40) 816. Calceolaria rugosa, carotinoid content, (31) 803.
sulphate, antiseptic value, (40) 779.	Calcifarin, use in bread making, (31) 357. Calcimeter, description, (34) 503.
Caenocryptus newcomeri n.sp., description (38) 565. Caeoma—	Calcimeter, description, (34) 503. Calcite, fertilizing value, (40) 815.
dubium n.sp., description, (34) 539.	Calcium—
euonymi, notes, (37) 550. interstitiale and Puccinia peckiana, relation,	absorption in the body from milk, (27) 168. aluminum silicate, fertilizing value, (28) 521.
(40) 155.	and sodium chlorids, antagonism between, (33)
laricis, notes, (29) 554. makinoi, notes, (20) 343.	 and strontium, separating and identifying, (26)
nitens, notes, (37) 457.	21.
pseudotsugae douglasii, n.var., studies, (31) 246. Caesium—	arsenate— analyses, (38) 643.
chlorid, fertilizing value, (30) 627.	as a spray, (37) 759. fungicidal value, (39) 652.
determination in plant ash, (38) 412. effect on Aspergillus niger, (28) 527.	insecticidal value, (34) 652.
in plants. (38) 409.	preparation, (40) 10.
in solids, (31) 720. salts, effect on saccharification of starch, (26)	v. lead arsenate, (33) 339, 340; (39) 256, 767. arsenates, studies, (39) 310, 311, 359.
309.	arsenite—
sulphate, effect on plants, (28) 527. Cafeterias, handbook, (40) 560.	and arsenate as insecticides, (39) 712. insecticidal value, (27) 500.
Caffaro paste, effect on germination of wheat, (30)	preparation and properties, (28) 308. as growth stimulant for hemp, (33) 432.
837. Caffein—	as growth stimulant for hemp, (33) 432. behavior during meat digestion, (28) 665.
cleavagein the human body, (27) 272.	borate, effect on crops, (39) 429.
determination, (27) 499; (32) 298.	bread, notes, (31) 860. carbid—
determination in— cocoa and chocolate, (37) 312.	for heating and lighting. (38) 190.
coffee, (40) 115.	fungicidal value, (40) 750. industry, statistics, (26) 725.
coffee and tea, (35) 504. effect on—	carbonate-
gastric secretion, (26) 466. heat production, (37) 266.	availability, determination, (38) 819. chemical effects on soil, (40) 124.
mental and motor efficiency, (29) 265.	composition and solubility, (36) 713.
plant growth, (37) 632.	determination in limestones, (34) 503. determination in soils, (27) 610.
seeds, (27) 330. uric acid excretion, (37) 470.	carbonate, effect on-
working power of men, (39) 68.	alkali salts, (39) 721. ammonia absorbing power of soils, (30) 425
elimination— and toxicity, (29) 265.	ammonia fixing power of soils, (27) 322.
studies, (27) 464.	ammonification, (39) 721. availability of soil potash, (32) 126.
extraction with ether, (37) 414. formation and distribution by plants, (26) 823.	development of Digitalis purpurea, (34
in beverages, (31) 164, 358.	135. hydrogen-iron concentration in soils, (39
formation and distribution by plants, (26) 823. in beverages, (31) 164, 358. in Java tas, (34) 166. isomer of, (40) 202.	425.
methods of analysis, (33) 414. rôle in carduc action of coffee, (27) 767.	legume bacteria, (29) 733. nitrification, (40) 723.
substances, action of, (33) 484.	nitrincation in soils, (28) 217.
substances, action of, (33) 464. toxicity, (27) 166; (28) 662; (35) 473. Caffeels, origin, (29) 361.	nitrification of ammonium sulphate, (26, 722.
Caffetannin, notes, (20) 434.	nitrogen fixation by Azotobacter chroccoc cum, (33) 427.
Cajanus—	nitrogen transformation, (26) 226; (28) 523 oxidation of sulphur in soils, (30) 223.
culture experiments, (28) 633. indicus—	oxidation of sulphur in soils, (30) 223.
analyses, (31) 863; (38) 368. analyses and digestibility, (28) 464.	phosphate reversion, (39) 521. phosphates, (26) 428, 527; (27) 726; (34) 421
culture experiments, (28) 136; (36) 830.	(35) 816. plant growth, (36) 22.
germinating, enzyms of, (38) 9. oil content of seeds, (27) 716.	protein content of soy dean. (34) 141.
seeding experiments, (37) 826.	soil moids, (40) 123. soil potash, (36) 625.
selection experiments, (38) 635.	soil molds, (40) 123. soil potash, (36) 625. soils, (27) 622; (39) 821. solubility of calcium and phosphoric acid
Cake and corn feeding, manurial value, (40) 824. Cakes—	(39) 23.
artificial coloring, (28) 510.	solubility of iron phosphate, (37) 324.
making, (33) 695. making, principles of, (31) 299.	strawberries, (34) 150. sulfofying power of soils, (37) 120.
oven temperature for, (33) 565.	superphosphate, (36) 325, 821; (39) 119
Caladiums—	wine, (29) 117. carbonate—
culture experiments, (40) 434. varieties, (31) 524; (35) 134; (38) 526.	fertilizing value, (30) 127.
'Calafatite deposits in Spain, (26) 728.	fixation in soils, (31) 25.

Calcium—Continued.	Calcium—Continued.
carbonate—continued.	cyanamid—continued.
formation by bacteria, (26) 618. from causticizing plant, analyses and ferti-	granulated, manufacture, (35) 22. in mixed fertilizers, (33) 25
lizing value, (31) 125.	industry in various countries, (32) 820.
loss from cultivated soil, (30) 817.	industry, status, (27) 128, 519; (30) 125. injurious action, (37) 815.
methods of analysis, (29) 311. relation to chlorosis, (28) 242, 425, 623; (33)	lessening dusty conditions of, (30) 26.
520,	loss of nitrogen in, (27) 824.
rôle in assimilation of ammonia, (36) 631. waste, use against finger-and-toe disease,	manufacture, (34) 622.
(35) 522.	manufacture and use, (27) 520; (35) 428. manufacture, progress in, (29) 730.
caseinate, basic, preparation, (29) 10.	methods of analysis, (26) 109, 606, 804
absorption by plants, (35) 435.	eyanamid, mixing with— coal tar, (38) 725.
as coagulant for rubber latex, (26) 141.	pulverized bog iron ore, (35) 12%.
as dust preventive, (32) 884. chlorid, effect on—	superphosphate, (29) 21; (31) 822. Thomas slag and kainit, (31) 422.
action of trypsin, (26) 159.	cyanamid—
activity of malt diastase, (29) 528. ammonia fixing power of soils, (27) 323.	nitrites in, (32) 217. oiled, fertilizing value, (31) 422.
concrete, (36) 286.	paper on, (32) 121.
disease resistance in animals, (32) 373. germination and growth of crops, (34) 125.	preparation and properties, (26) 525, production, (28) 817; (31) 321, 725; (39) 825.
gormination of soods (90) 207	production, (28) 817; (31) 321, 725; (39) 825, production and use, (29) 126, 213, 517; (30)
growth of rice, (30) 833. moor soils, (35) 724. permeability of protoplasm, (33) 328. physical properties of soils, (39) 215. roads, (30) 486.	126; (32) 125.
permeability of protoplasm, (33) 328.	solubility in water, (31) 725. spoiled, effect on outs, (40) 815.
physical properties of soils, (39) 215.	storage, (34) 724; (36) 426. studies, (29) 127.
seed germination, (26) 131.	time of application, (30) 125.
strength of concrete, (30) 589.	trade in, (31) 29.
chlorid— for calves and pigs, (30) 67.	transformation in soils, (27) 625. transformation in storage, (27) 621.
for pigs, (27) 872.	transformation into ammonia, (31) 721.
purification of water by, (26) 214; (27) 512. relation to ammonification and concentra-	use, (32) 323; (36) 427. use against Colaspidema atrum and dodder,
tion of soil solution, (39) 323. use in bread making, (29) 565; (31) 357.	(29) 561.
compounds, effect on plant growth, (35) 726.	use against nematodes, (37) 453, 652. use against weeds, (31) 532; (35) 340.
content of cucurbit vines, (39) 747.	use against wild mustard, (31) 524, 633, 739.
cyanamid— action as affected by iron, (27) 500.	use in Austria, (28) 723. valuation, (36) 420
after-treatment, (26) 425. ammonia from, (31) 822; (38) 516.	deficiency, effect on oat plant, (40) 324.
ammonia from, (31) 822; (38) 516. analyses, (32) 32.	determination, (32) 714; (34) 712; (36) 112; (39) 311.
application, (31) 518.	as oxilate, (32) 504.
application to winter grain, (33) 125. as affected by carbon dioxid, (32) 125.	as tungstate, (32) 116.
herbicide for Cuscuta, (26) 44.	filter for, (38) 506. in ash, (29) 610; (36) 317, 613.
retarder of denitringation, (34) 219.	bloo I and milk, (37) 207.
top-dressing for oats, (35) 519. top-dressing for rye, (28) 626.	foods, (29) 809. plunts, (29) 797.
availability of nitrogen in, (35) 426. catalysis, (32) 125.	presence of magnesium, (26) 205.
change of in soils, (26) 425; (39) 522.	presence of manganese, (27) 503. presence of phosphoric acid and tron,
change of in soils, (26) 425; (39) 522. decomposition, (27) 624.	(36) 14.
decomposition in presence of water, (36) 426, destruction of wild mustard by, (27) 724.	solids and fluids from animal organism, (33) 713.
detection, (20) 804.	urine and feces, (34) 50s.
cyanamid, effect on— composition of beets, (31) 737.	urine and other physiological fluids, (30) 210.
composition of beets, (31) 737. decomposition of soy bean fodder, (40) 214. germination of cereals, (33) 818.	water, (35) 805.
germination of dodder, (27) 28.	effect on— Aspergillus niger, (26) 431.
soils, (27) 625. sugar beets, (33) 434. superphosphate, (30) 26.	coagulation of milk, (33) 674. concrete sund, (34) 787.
superphosphate. (30) 26.	growth and composition of hone, (32) 465,
tne eye, (31) 29.	764.
cyanamid— eradication of weeds by, (26) 839.	herbaceous plants, (33) 425.
eradication of weeds by, (26) 839. experiments, review and bibliography, (27)	lupines, (34) 724. soils, (32) 33.
123. fertilizing action in relation to soils, (34) 820.	toxicity of salts in nutritive solutions, (29) 322.
fertilizing value, (26) 125, 233, 323, 324, 425,	excretion as affected by lecithin, (26) 766. excretion in the dog, regulation, (37) 64.
525, 536, 537, 622, 630, 725, 818, 837; (27) 218, 336, 337, 519, 625, 626, 832, 833; (28) 521, 723,	excretion in the dog, regulation, (37) 64.
817; (29) 23, 125, 127, 213, 831; (30) 125, 427,	fed pregnant swine, effect on offspring, (32) 366.
817; (29) 23, 125, 127, 213, 831; (30) 125, 427, 626, 627, 632, 731, 822, 835; (31) 36, 37, 124, 517, 518, 524, 725, 732, 820; (32) 336, 831, 832; (32) 336, 831, 832;	feed analyses, (31) 864.
(33) 219, 624; (34) 22, 24, 25, 130, 219, 431, 518, 622, 820; (35) 22, 126, 218, 323, 325, 336,	fluosilicate, fertilizing value, (29) 823. for horses, (30) 571.
518, 622, 820; (35) 22, 126, 218, 323, 325, 336, 427, 518, 519, 629, 630; (36) 232, 332, 427, 818,	function in plants, (30) 523.
833; (37) 23, 216, 426, 539, 540, 815; (38) 516;	hypochlorite— antiseptic and germicidal value, (37: 176.
(40) 539. for peat soils, (39) 428.	as a seed sterilizer, (35) 46.
for summer crops. (37) 217.	effect on bacteria in water, (38) 489. effect on glanders bacillus, (40) 478.
formation and decomposition, (26) 33. formation from free nitrogen, (32) 217.	purification of water by, (32) 87, 786.
granular, fertilizing value, (39) 116.	purifying action on water, (36) 889. sterilization of milk bottles with, (27) 282.

Jaleium—Continued.	Calcium—Continued.
hypochlorite—continued.	paracaseinate of cow's and goat's milk, cleav-
sterilization of water by, (33) 883; (37) 588. use against apple scab, (37) 755.	age, (27) 12. phosphate—
hyposulphite, fungicidal value, (39) 349.	citrate solubility, (37) 713.
importance in animal nutrition, (31) 663; (33)	citrate solubility, (37) 713. decomposition by acetic acid, (36) 712.
758.	determinination, (32) 409. diffusion in soils, (29) 128.
in Asiatic foodstuifs, (29) 64. blood of lactating cows, (37) 308.	Thornata affect on
feeding stuffs, (30) 867.	phosphate, effect on— composition of milk, (34) 270.
normal urine, (36) 366.	germination of seeds, (29) 328.
nutrition of plants, animals, and man, (40)	sugar content of cane, (38) 230.
767.	phosphate—
Soil, (36) 621.	fertilizing value, (26) 622; (27) 342. in animal nutrition, (29) 869.
soil, solubility, (39) 24, 821. the diet, (31) 357, 860.	in rations of domestic animals, (32) 566.
inorganic, in milk, (37) 208.	in vicinity of Monterey, Mexico, (36) 821.
loss in drainage water, (26) 421.	in vicinity of Monterey, Mexico, (36) 821. manufacture from milk, (30) 378.
magnesium ratio in the diet, (29) 565.	precipitated, fertilizing value, (31) 823.
metabolism—	solubility and assimilability, (40) 128.
in dogs, (58) 569. 14-year-old boys, (30) 262.	solubility in ammonium citrate solution,
infants. (29) 166.	(33) 412. physiological action, (27) 229.
women, (40) 174.	physiological functions in plants, (29) 528.
iniants, (29) 166. women, (40) 174. index of, (32) 588. studies, (39) 875, 876.	potassium permutite, fertilizing value, (29) 211.
studies, (39) 875, 876.	pyrophosphate as a fertilizer, (30) 222. relation to plant nutrition, (37) 631, 799.
nitrate— analyses, (32) 424.	relation to plant nutrition, (37) 631, 799.
assimilation by mold fungi, (29) 29.	removal from soils, (39) 517. resorption and retention by the intestine, (28)
availability of nitrogen in, (35) 426.	865.
nitrate, effect on-	retention by pigs, (28) 469; (29) 66. rôle in forest vegetation, (32) 728.
assimilation of phosphates, (29) 318.	rôle in forest vegetation, (32) 728.
germination of dodder, (27) 28. nitrogen-assimilating bacteria, (38) 724.	rôle in germination, (39) 526.
nodule formation, (37) 133.	salts— absorption by plants, (35) 433.
phosphorite, (29) 624.	as a factor in onset of labor, (34) 184.
phosphorite, (29) 624. plants, (28) 527.	as affected by Bulgarian ferment, (26) 203
sugar beets, (30) 31. toxic salts, (30) 31.	salts, effect on—
toxic saits, (30) 31.	action of phosphoric acid, (27) 623.
weed growth in meadows, (38) 141. wheat seedlings, (31) 426.	activity of lipase, (31) 264. Aspergillus niger, (28) 824.
	canned foods, (34) 67.
nitrate— ifrate— fortilizing value, (26) 233, 321, 425, 525, 536, 622, 630, 631, 735, 837; (27) 21, 336, 337, 519, 626, 724, 832, 833, 837; (28) 521, 723, 817, 827; (29) 23, 125, 213, 424, 529; (30) 626, 627, 532, 637, 835; (31) 124, 517, 518, 732, 820, 821; (32) 336, 532, 832; (33) 25, 219; (34) 130, 518, 622; (35) 22, 218, 323, 336, 427; (30) 134, 232, 626, 533; (37) 428, 739; (39) 428, 537. for arid soits, (36) 726, corn, (31) 831, mangels, (29) 830.	fowis, (39) 177.
622, 630, 631, 725, 837; (27) 21, 336, 337, 519,	generation of trypsin, (29) 662.
626, 724, 832, 833, 837; (28) 521, 723, 817, 827;	nitric-nitrogen accumulation, (40) 722.
(29) 23, 123, 213, 423, 529, (30) 526, 527, 532,	nodule production in vetch, (32) 727.
(32) 336, 532, 832; (33) 25, 219; (34) 130, 518,	plants, (32) 538. root hairs, (38) 330.
622; (35) 22, 218, 323, 336, 427; (36) 134, 232,	root hairs, (38) 330. soil bacteria, (38) 818.
626, 833; (37) 426, 739; (39) 428, 537.	solubility of phosphates, (30) 626.
for arid soils, (36) 726.	salts—
corn, (31) 831.	rôle in putrition (40) 273
	toxicity in soil. (36) 515.
peat soils, (39) 428. hygroscopicity, (26) 425.	flocculating power on clay, (27) 620. rôle in nutrition, (40) 273. toxicity in soil, (36) 515. separation from barium and strontium, (26) 204.
in nutrient solutions, effect on plant growth,	separation from magnesium, (28) 409; (33) 412. sources for growing pigs, (31) 268.
(39) 28, 331.	sources for growing pigs, (31) 268.
Industry in various countries, (32) 820.	sulphate, see Gypsum. sulphid—
manufacture, (28) 221. manufacture in the South, (27) 824.	effect on soil microorganisms, (31) 27.
manufacture, progress in, (29) 730.	soil treatment with, (40) 619.
mothods of analysis, (26) 606.	sterilization of soils by, (32) 816.
mixing with superphosphate, (29) 214.	sulphite—
nitrogen assimilation from, (27) 331. preparation and properties, (26) 525.	fertilizing value, (29) 521. insecticidal value, (31) 408.
production and use, (29) 126, 213; (30) 126;	solubility in sugar solutions, (38) 616.
(32) 425.	solubility in water and sugar solutions, (36)
production in 1912, (28) 817.	716.
relation to ammonification and concentra-	tetraphosphate, fertilizing value, (39) 427, 428. thioarsenate, fungicidal value, (30) 712.
tion of soil solution, (39) 323. trade in, (31) 29.	toxicity toward plants. (30) 128.
treatment with oil, (29) 214. use in Austria, (28) 723. valuation, (28) 608.	toxicity toward plants, (30) 128. translocation in soils, (40) 719.
use in Austria, (28) 723.	use in bread making, (32) 161.
Valuation, (26) 606.	Calendula officinalis, adventitious buds, (36) 837.
nitrite, fertilizing value, (28) 723; (29) 331; (31) 821; (33) 219.	Calcometer, description, (33) 367. Calf—
of cow's milk, effects in infant feeding, (40) 661,	barns, ridding of flies, (26) 861.
869.	diphtheria, notes, (31) 873.
of vegetables, utilization in the diet, (39) 876.	diseases, immunization, (26) 578.
output, urinary and fecal, in normal men, (36)	diseases, notes, (36) 773.
365. oxalate, origin and function in plants, (27) 133;	dysentery, immunization, (29) 581; (32) 582. dysentery, treatment, (29) 680.
(39) 827.	feeds, analyses, (29) 487.
oxid	meals-
chemical effects on soils, (40) 124.	analyses, (27) 670; (29) 769; (30) 67, 169; (40)
conversion in soil, (40) 622.	571, 665. preparation and analyses, (34) 667.
diffusion in soils (20) 129	tests, (39) 76.
determination in peat soils, (35) 716. diffusion in soils, (29) 128. effect on availability of soil potash, (32) 128.	pneumonia bacterium, opsonic power of serums
on physical character of solls, (40) 622.	against, (27) 285.
w calcium carbonate (40) 515.	stanchions, notes, (32) 590.

Caliche-	Calocoris—
composition, (35) 511. studies, (39) 730.	angustatus, life history and control, (36) 857.
studies, (39) 730.	rapidus affecting potatoes, (32) 57.
Calidea apicalis, injurious to cotton, (27) 454.	Calomel as a vermifuge, (38) 883.
California— College cooperation with schools (26) 192	Calonectria— flavida, notes, (29) 155.
College, cooperation with schools, (26) 192. College, organization and scope, (29) 191. Fruit Growers' Exchange, report, (32) 287.	graminicola, occurrence in United States, (30)
Fruit Growers' Exchange, report, (32) 287.	537.
Redwood Park, booklet, (29) 44.	nivalis n.sp., description, (29) 445.
Station—	studies, (30) 537.
notes, (26) 395; (27) 197, 397, 696, 799; (28) 93;	Calophya nigripennis, life history, (40) 754.
(29) 96; (30) 396, 698; (31) 99, 397, 695, 795;	Calophyllum inophyllum, oil of, (31) 234; (37) 109,
(29) 96; (30) 396, 698; (31) 99, 397, 695, 795; (32) 395; (33) 496, 794; (35) 196; (36) 397, 796; (37) 496; (38) 797; (39) 95, 694; (40) 495, 695,	Caloptenus italicus—
798.	fungus disease affecting, (26) 247. notes, (31) 850.
publications, (40) 599.	Calorimeter—
report, (32) 290; (34) 294; (36) 195; (38) 197;	bomb, adiabatic device for, (34) 168.
(40) 599.	bomb, construction and operation, (27) 667.
report of director, (29) 899.	for large animals, description, (31) 764.
University—	for small animals, (30) 66.
agricultural education at, (40) 599.	respiration, description, (39) 676.
Farm School at Davis, announcement, (27) 491.	Calorimeters, descriptions, (27) 367. Calorimetric—
1911. 1915. 1916.	methods, treatise, (26) 872.
396, 696; (29) 96; (30) 396, 698, 900; (31) 99,	observations on man, (32) 257.
397, 695, 795; (32) 395; (33) 496, 794;	Calorimetry—
295, 600; (35) 95, 196, 798; (36) 397, 796; (37)	animal, studies, (39) 772.
496, 600, 700, 797; (38) 797; (39) 95, 197, 694;	bomb, corrections in, (33) 265, clinical, (40) 868.
School of Tropical Agriculture (40) 204	Cliffical, (40) 505.
Caligonus—	combustion, notes, (30) 466. of urine and feces, (26) 161.
mali n.sp., description, (38) 63.	
terminalis, notes, (28) 457.	Calosoma— imbricata, notes, (27) 862.
Calipers—	inquisitor, notes, (35) 460.
chest contour, (40) 277.	scrutator, notes, (28) 755.
circular area, notes, (28) 440. for measuring cattle, (40) 872.	studies, (38) 61.
Caliroa, see Eriocampoides.	SVCODDADIA
Calisto archebates—	dispersion in New England, (33) 254.
introduction into Porto Rico, (39) 58.	in Maine. (37) 459.
notes, (36) 754.	dispersion in New England, (33) 254. in Florida, (37) 659. in Maine, (37) 459. life history and distribution, (35) 460.
Calles, phyllody of corolle in (31) 143	locomotion of larvae, (27) 360.
Calla illy pollen, parasite of, (31) 641. Callas, phyllody of corolla in, (34) 143. Callicratides rams, notes, (34) 652. Callidrate orbane, notes, (34) 652.	notes, (27) 560.
Callidryas eubule, notes, (27) 559.	studies, (26) 350; (33) 457. Calosphaeria princeps, notes, (31) 539.
Calliephialtes—	Calospora vanillae, description, (27) 450.
sp., in California, (31) 256.	Caloteleia sp., notes, (31) 650.
sp., parasitic on codling moth, (30) 360.	Calotermes—
thurberiae n.sp., description, (34) 363. Callimome n.spp., descriptions, (28) 162. Callimomidae of Australia, (39) 154.	(Glyptotermes) satsumensis n.sp., description,
Callimomidae of Australia, (39) 154.	(35) 255.
Ualibnora—see also Blow files.	lucifugus attacking grapes, (36) 651.
erythrocephala— "critical" point for, (38) 265.	Calotropis—
destruction by best (98) 759	gigantea, seeds of, (32) 613. procera latex, rennet of, (31) 410.
hibernation (34) 254	Calpodes ethlius, notes, (27) 56.
destruction by heat, (28, 752, hibernation, (34) 254, notes, (28, 255; (30) 458, 459.	Calvatia spp., effect on vegetation, (38) 222.
spp., development, (31) 456. spp., hibernation, (38) 262. viridescens, notes, (26) 147.	Calves—
spp., hibernation, (38) 262.	anaerobes in, (26) 586.
Callinharing outgroups paragitas of demostic ani	as affected by pleuro-pneumonia virus, (27) 785
Calliphorine cutaneous parasites of domestic animals, (27) 656.	as affected by rations from single plant sources (33) 367.
Callipterinella annulata, notes, (37) 562.	birth weights, (37) 684.
Callipterus—	birth weights, (37) 684. bone content, (31) 564. brains, creatin and creatinin content, (31) 760.
bellus, notes, (35) 56.	brains, creatin and creatinin content, (31) 760.
trifolii, studies, (32) 247.	calcium entorid for, (30) 67.
Callirrhoe spp., food plants of cotton boll weevil,	care and mangement, (34) 471; (35) 94.
(31) 458.	cottonseed meal for. (26) 879
Callopistria floridensis—	cost of raising, (32) 574; (38) 683; (39) 782. cottonseed meal for, (26) 879. dairy, raising, (39) 771; (34) 667; (39) 182, 882 dairy, rearing chart, (37) 575.
notes, (28) 854; (34) 158; (36) 355; (38) 358. studies, (29) 854.	dairy, rearing chart, (37) 575.
Callosamia promethea, notes, (30) 655.	dairy, wintering experiments, (37) 082.
Callose, occurrence in root hairs, (29) 326.	destruction by cottonseed meal, (29) 77. estimating age of, (31) 266; (33) 469.
Callosities, inheritance in horses, (26) 571.	factors affecting growth (35) 868
Callospermophilus—	feeding and care, (28) 581; (32) 568; (33) 98; (36) 773; (37) 367, 683.
(Citellus) chrysodeirus, susceptibility to plague, (26) 59.	773; (37) 367, 683.
leteralis convin subsp. description (27) 759	19eding experiments, (26) 367; (27) 372, 673; (28)
lateralis caryi n.subsp., description, (37) 758. lateralis cinerascens, relation to spotted fever,	(31) 75, 866: (32) 362, 669, 672, 768, (33) 269, 260
(31) 160.	570, 765; (34) 180, 265, 667, 773, 774, 868; (35)
spp., prevalence in Colorado, (28) 652.	715; (31, 561, 683, 584, 587; (27) 372, 673; (28) 572; (29) 169, 170, 277, 468, 571, 668; (30) 671 (31) 75, 866; (32) 362, 669, 672, 768; (33) 268, 269 570, 765; (34) 180, 265, 667, 773, 774, 868; (35) 870; (36) 75, 369, 370, 565, 567; (37) 366, 675, 560; (38) 69, 679, 773; (39) 71, 76, 169, 273, 382 (40) 369.
Calluna vulgaris—	873; (38) 69, 679, 773; (39) 71, 76, 169, 273, 382
behavior on lime soils, (31) 425. obligate symbiosis in, (33) 221.	(40) 809.
obligate symblosis in, (33) 221.	food requirements, (34) 775. for veal, (39) 76.
sprigs, as a substitute for black tea, (33) 866.	growth on pasture, (31) 767.
Calocampa— cineritia, notes, (35) 756.	growth on pasture, (31) 767. hand feeding, (38) 773.
nupera, parasites of, (31) 752	hairless, (39) 187.

Calves—Continued.	Campers, handbook for, (34) 46.
immunization against—	Camphor—
anthrax, (31) 82.	analyses, (40) 559.
dysentery, (26) 682.	chemistry of (35) 317
tuberculosis, (26) 181, 284, 380; (27) 383; (29) 894; (33) 878.	blackening and dying of shoots, (30) 48. chemistry of, (35) 317. detection in ethyl alcohol, (29) 312.
large, obstetrical aid for, (26) 277.	determination, (27) 499. diseases, new, in Texas, (37) 843.
marketing in the South, (37) 391.	diseases, new, in Texas, (37) 843.
metabolism experiments, (26) 768.	diseases, notes, (28) 148.
milk as sole diet, (40) 767. milk substitutes for, (33) 669.	effect on hyacinths and tulips, (26) 731. from black sage, (33) 202.
mineral phosphates for, (33) 469.	from Cinnamomum camphora, (27) 442.
newborn—	insecticidal value, (39) 762. insects affecting, (31) 849. liniment, notes, (31) 658, 676.
composition, (37) 72. diseases of, (37) 379.	insects affecting, (31) 849.
infection of, (10) 887.	mathode of analysis (27) 210
mineral constituents, (27) 499.	methods of analysis, (27) 210. spirits of, analyses, (32) 456.
weights, (32) 862. parathyroid glands of, (29) 377.	thrips, see Cryptothrips floridensis.
parathyroid glands of, (29) 377.	trees, culture experiments, (40) 339.
preserved skim milk for, (38) 377.	trees, growing in Florida, (37) 346.
profit and loss in feeding, (28) 374. raising, (29) 571; (30) 671; (31) 299. 566.	trees, insects affecting, (29) 853. trees of Mauritius, (37) 310.
raising	Camphora, nature and use, (26) 580.
and fattening in Alabama, (31) 169; (32) 69.	Campeletis prodeniae n. sp., description, (26) 352.
and finishing, (28) 395. emulsion system, (29) 369. in Hungary, (33) 269. on skim milk, (33) 374.	Camponotus—
in Hungary (23) 960	herculeanus ferrugineus, embryology, (29) 860.
on skim milk. (33) 374.	herculeanus, notos, (26) 147. maculatus turkestanicus, remedies, (31) 155.
range, winter feeding, (31) 468.	reticulatus fullawayi n.subsp., description, (27)
range, winter feeding, (31) 468. rations for, (30) 169.	264.
raw v. heated milk for, (28) 775.	Campoplex—
rennet, immunizing against, (30) 477.	n. spp., descriptions, (29) 563; (30) 60, phthorimaeae, notes, (36) 655. variabilis n.sp., description, (34) 363.
sex control in, (29) 468. skim milk and cassava meal for, (30) 768; (31)	variabilis n.sp., description, (34) 363.
266.	VALIADINS ILSD., HOLES, (36) 652.
slaughtering in Great Britain, (29) 571. slaughtering on the farm, (35) 317.	Campsomeris dorsata, notes, (34) 455. Camptobrochis nitens, notes, (28) 252.
slaughtering on the farm, (35) 317.	Camptobrochis nitens, notes, (28) 252.
spleen, bacterial content, (39) 389. spring, advantages of raising, (33) 570.	Camptosorus rhizophýlius, studies, (33) 27. Campylendria curvata, notes, (29) 252.
suckling, intestinal flora of, (35) 282.	Campylochaeta obscura, studies, (39) 659.
susceptibility to tuberculosis, (26) 178.	Campylomma verbasci—
triplet, notes, (31) 767.	notes, (30) 359.
triplet, studies, (28) 467. variation in weight, (36) 566.	relation to fire blight, (33) 744.
weight of, (33) 171.	Canada Experimental Farms— notes, (28) 94: (30) 599: (34) 498: (36) 600, 697
wintering, (40) 472.	notes, (28) 94; (30) 599; (34) 498; (36) 600, 697 report, (36) 97; (38) 698; (40) 797.
young—	Canada thistle—
digestion of starch by, (38) 874.	control, (26) 839.
slaughtering, (26) 473. sour milk for, (33) 269.	destruction, (27) 31. eradication, (28) 834; (31) 438. geographical distribution, (26) 335.
Oalycanthus—	geographical distribution. (26) 335.
occidentalis, volatile oil of, (36) 206.	Canadian—
spp., hydrocyanic acid in, (28) 429.	agricultural institutions, notes, (37) 100.
Oalyptospora— columnaris, infection experiments, (30) 745.	Forestry Association, report, (32) 238.
goeppertiana, life history, (30) 745.	Fruit Marks Act, (29) 868. Phytopathological Society, (40) 699.
Cambium miners—	Phytopathological Society, (40) 699. Seed Growers' Association, (28) 638, 739; (37)
new, (37) 764. notes, (29) 44.	141, 831.
1016S, (29) 44.	Canaigre, acclimatization in France, (37) 220.
studies, (33) 749 Cambridge University, notes, (36) 699.	Canal—
Camden chert as a road-making material, (26) 685.	banks, blanketing, (40) 188. banks, grass mixtures for, (28) 829.
Camel—	engineering, treatise, (32) 481.
diseases in India, (28) 482; (36) 680.	measurement, (40) 185.
diseases, notes, (32) 154. louse, notes, (26) 655.	Canals—
Camelidae, South American, economic importance,	algae control in, (40) 188.
(27) 470.	concrete lining for, (32) 481.
Camellia—	excavation, estimating for, (33) 586. frictional resistance in, (30) 885.
drupifera fruit, chemical study, (39) 501. japonica, stomata of, (36) 223.	irrigation, see Irrigation.
scale, notes, (28) 854.	losses from by scepage, (30) 288.
Camels—	power, design, (33) 886.
in Tunis, description, (27) 571.	silting in, (30) 588; (31) 383. unlined, seepage from, (33) 885, 886.
management in East Africa, (28) 268.	Canaries—
notes, (30) 569, 784. variations in normal temperature, (37) 690.	breeding experiments, (30) 564.
Camera—	care and management, (36) 455.
lucida, installation, (35) 899.	hybridization, (27) 276.
microscopic, installation, (35) 899. Campula pellucida, notes, (28) 59; (36) 153.	Canarium— bengalense, methods of analysis, (27) 210
Campula peliucida, notes, (28) 58; (30) 163. Camomile flowers, chemistry of, (33) 202.	nut milk as a food for infants, (29) 566.
Camp—	nuts, microscopic identification, (28) 565.
cookery, book on. (38) 469.	Canary—
cookery, notes, (27) 463.	disease resembling fowl cholers, (31) 879.
rations and equipment, (30) 763. sanitation and housing, (33) 691.	grass—see also Phalaris bulbosa. culture experiments, (32) 431.
Campanula—	on bog and moss soils, (40) 212.
carpatica, segregation in, (39) 123.	seed, agglutinating properties, (31) 774
leaf spot, notes. (27) 45.	Toowomba, varieties, (30) 434.
medium, Scierotinia disease of, (34) 354.	varieties, (29) 222.

Canary—Continued.	Cane—Continued. sugar—continued.
culture experiments, (37) 823.	inversion, (36) 802.
production in Spain, (28) 736.	inversion and determination, (38) 507.
Canavali obtusifolia, culture, (34) 736. Canavalia—	inversion by ammonium chlorid, (30) 811. manufacture, clarifiers, (37) 208.
agronomic value and species, (39) 635.	manufacture, handbook, (35) 114; (38) 508, raw, acidity, (28) 614.
ensiformis— analyses and digestibility, (28) 464.	raw, acidity, (28) 614. raw, deterioration, (38) 805.
anatomical structure, (31) 314.	relation to mold fungi, (28) 429.
as a cover crop for coconuts, etc., (33) 535.	sirup, analyses, (34) 660.
composition and digestibility, (33) 267. culture, (30) 335.	solutions, osmotic pressure, (28) 262. synthesis, (34) 803.
culture experiments, (28) 136.	toxicity (28) 462 661
culture in German East Africa, (27) 419. fertilizing value, (34) 34.	v. beet sugar for fermentation purposes, (35) 718.
notes, (31) 336.	top silage and molasses for cattle, (32) 668.
oil content of seed, (27) 717. urease content, (35) 612.	tops, analyses, (33) 568. trash ash, composition and use, (27) 727.
gladiata—	v. corn for silage. (31) 36.
as green manure, (32) 423. culture experiments, (27) 233.	Canestriniidae, new genus, (34) 66. Canidia curculionis, notes, (26) 151; (27) 562.
spp., notes, (28) 838.	Canidia curculionis, notes, (20) 101, (27) 302. Canidiella curculionis, parasitic on alfalfa weevil,
spp., notes, (28) 838. Canavalin	(31) 61.
chemistry of, (37) 8. studies, (40) 308.	Canine distemper, see Dog distemper. Canis aureus, relation to canine piroplasmosis, (28)
Cancer—	83.
diagnosis, (32) 179, 372. diagnosis, dialysis method, (31) 877.	Canker—
in rats, studies, (32) 353.	in fowls, studies, (35) 283. in orchards, treatment, (29) 348.
in rats, studies, (32) 353. papers on, (38) 580.	notes, (36) 498.
pathology, (31) 277. relation to crown gall, (35) 515, 650; (37) 245. relation to melanosis, (27) 289.	Cankerworm— common or spring, notes, (28) 155; (40) 263, 452,
relation to melanosis, (27) 289.	fall, notes, (40) 57.
serum reaction. (33) 477.	in Nova Scotia, (35) 853. notes, (38) 257, 358. spring, control, (39) 258.
Candelilla wax, chemistry of, (26) 611. Candlenut oil, detection, (29) 613.	spring, control, (39) 258.
Candlenuts, analyses, (31) 631. Candy—	spring, remedies, (33) 62. Cankerworms, life history and remedies, (39) 64.
adulterated, law in Michigan, (27) 767.	Canna— Canna— (39) 64.
examination, (30) 664.	crossing experiments, (33) 644.
for queen cages, (27) 865. handbook, (31) 856.	edible, drylng, (39) 208. edible, fertilizer experiments, (38) 829.
making in the home, treatise, (31) 558.	edible, yields, (38) 828.
making, principles of, (26) 358. making, treatise, (29) 60; (32) 253, 560.	edulis, analyses, (37) 165.
manufacture, sanitary aspects, (34) 365.	edulis, culture experiments, (37) 132. indica, hybridization experiments, (32) 520.
notes, (28) 862.	leaf-roller, largor, notes, (27) 56. seed, impermeable, viability, (35) 740.
sirups, cooking temperatures, (32) 762. sulphurous acid in, (27) 868.	varieties, (39) 143.
Cane—see also Sugar cane.	Cannabis—
analyses, (30) 565.	improvement by selection, (32) 143.
as a forage and silage crop, (31) 829. beetles in Queensland, (39) 255.	sativa, geographical distribution, (26) 335. sativa, phosphorus content, (26) 501.
borer beetle, studies, (36) 257.	Canned—
borers, notes, (34) 361. culture, (31) 265.	foods— analyses, (27) 165.
culture in Burma, (29) 736.	bacteriological examination, (38) 469; (39)
grub in Queensland, (32) 555. irrigation experiments, (28) 588.	415. bacteriology, (40) 764.
	commercial stocks, 1918, (39) 570.
culture experiments, (27) 336; (29) 224; (30) 434.	culture volumeter for organisms from, (39)
fertilizer experiments, (27) 336.	effect on tin, (26) 867.
fertilizer experiments, (27) 336. juice, determination of acidity, (27) 814. molasses, methods of analysis, (28) 713. products, methods of analysis, (27) 205.	ritá. effect on tin, (26) 867. eramination, (31) 509. inspection, (35) 663; (36) 663. keeping in the open tin, (39) 316. law in Canada, (26) 157, 881. manufacture, (30) 613. mineral content, (34) 67. neressity for dating, (31) 659. poisoning from, (37) 669, 670; (38) 208. preparation, (27) 269. preparation and judging, (30) 259. preduction and distribution, (40) 461. relation to pellegra, (33) 555.
products, methods of analysis, (27) 205.	keeping in the open tin. (39) 316.
products, postarzation, (21) ors.	law in Canada, (26) 157, 881.
seed chop, analyses, (28) 465. silage from (27) 872.	manuacture, (30) 613.
sirup, manufacture, (26) 213; (30) 614.	necessity for dating, (31) 659.
stems, dorsiventral structure, (31) 233. sugar—see also Sugar.	poisoning from, (37) 669, 670; (38) 208.
as affected by ultraviolet rays, (26) 308.	preparation and judging, (30) 259.
calculation tables, (29) 113. content as affected by heading, (31) 431.	production and distribution, (40) 481.
detection in honey, (31) 208.	solution of tin by. (37) 12.
determination of specific gravity, (35) 14.	relation to pellagra, (33) 565. solution of tin by, (37) 12. sterilization, (27) 412; (39) 165.
distillation, (36) 508. effect on action of blood serum, (34) 675.	swells and springers in, (28) 361; (32) 356. tin coating on containers, (37) 715.
effect on secretion of diastase by fungi. (31)13.	tin content, (26) 66; (33) 661.
factories, chemical control in, (37) 509. factories, germicides for, (32) 717. factories, heat balance of, (30) 891.	vitamin content, (40) 565. fruit and vegetables, market standards, (39) 717.
factories, heat balance of, (30) 891.	fruit, springing of tins, (40) 208.
formation, (28) 127. formation in germinating peas, (35) 432.	vegetables, analyses and water content, (40) 864. Canning—
narmful effect of, (33) 65.	and drying, (39) 208, 418, 718, 808; (40) 18, 67.
in milk, as affected by heat, (34) 164. industry in Queensland, (35) 230.	and drying vegetables, (40) 67. and preserving industry in United States, (30)
industry, treatise, (20) 432.	791.

a Combined	Comena Combinued
Canning—Continued.	Capons—Continued.
blenching in value, (33) 66; (40) 313.	characteristics, (33) 573. cost of production, (37) 70.
club products, marketing, (38) 90.	reeding experiments, (31) 4/2.
and preserving, recipes, (36) 113. blanching in, value, (33) 66; (40) 313. club products, marketing, (38) 90. club work in Kentucky, (32) 197.	notes, (26) 772; (28) 173.
ciids	Capra—
for girls, (27) 395. in Arkansas, (33) 95.	aegagrus, notes, (27) 371.
Detroit, (39) 396.	hircus, notes, (28) 767. Caprification in Ficus nota, (30) 55.
Mississippi, (29) 495.	Caprifig seed, edible figs from, (39) 544.
Southern States, (32) 492.	Caprifigs, mamme, protection against frost, (27) 616.
organizing and conducting, (26) 795.	Caprimulgus macrurus, synopsis of races, (35) 252.
suggestions for, (31) 794.	Caproic acid in butter, constitution, (29) 508.
suggestions for, (31) 794. cold pack method, (35) 717; (39) 510, 614. contests in Rhode Island, (28) 299.	Capsella— bursa-pastoris, geographical distribution, (26)
crops, culture in Utah Valley, (40) 388.	335.
directions, (39) 208.	constant variants of, (29) 136.
factories-	inheritance in, (26) 827.
cooperative, (37) 594.	viguieri n.sp., notes, (26) 529.
establishing, (39) 894.	Capsicum— annuum—
in Minnesota, (37) 777. inspection in Indiana, (32) 357; (34) 861;	genetics of fruits, (35) 130.
(37) 63.	hybridization experiments, (30) 533.
inspection in New Jersey, (32) 357.	variation in, (37) 725.
inspection in Ohio, (33) 164, 165.	variegated races, (39) 123.
sanitation in, (32) 64.	ash content, (26) 261.
factory wastes—	Capsid bugs— injurious to apples (32) 849
disposal, (33) 590.	notes. (35) 464.
feeding value, (38) 168. for boys' and girls' club work, (33) 599.	injurious to apples, (32) 849. notes, (35) 464. remedies, (38) 57. Capsus solani, notes, (29) 454. Capulina spp., notes, (30) 657.
home and farm, (31) 394; (36) 509; (37) 599; (38)	Capsus solani, notes, (29) 454.
208.	Capulina spp., notes, (30) 657.
industry—	Carabao
in New Jersey, (32) 65; (36) 689. New York, (34) 40.	as a dairy animal, (39) 784.
Tinited States, (31) 67: (38) 208, 414.	blood, studies, (27) 785. grass, notes, (26) 362.
United States, (31) 67; (38) 208, 414. United States, history, (32) 210.	louse, notes, (28) 158.
problems in, (39) 510.	Carabaos
problems in, (39) 510. lessons on, (28) 299.	immunization against rinderpest, (32) 580.
methods in relation to Bacillus bottlinus, (40)	immunization in Philippines, (36) 881.
558.	in Philippines, (26) 666; (31) 768. of Catanduanes Islands, (27) 771.
notes (27) 313: (32) 500: (33) 210: (34) 714: (37)	of Guam, (30) 68.
715: (38) 94, 715.	origin and development, (34) 566.
on the farm, (33) 18.	Carabids injurious to
new method, (29) 867. notes, (27) 313; (32) 509; (33) 210; (34) 714; (37) 715; (38) 94, 715. on the farm, (33) 18. outfits, portable, notes, (28) 715.	fruit, (38) 564.
()EDGIS OII, (40) 301.	strawbernes, (38) 654; (39) 654. Caradrina—
pork and beans, (39) 717.	exigua, see Laphygma exigua.
sirups for, (37) 15. treatise, (32) 253; (36) 717; (38) 114; (39) 317, 716.	reclusa, notes, (31) 249.
wastes from pork and beans, purification, (39)	
717.	arborescens as affected by radium, (28) 825. frutescens, drought resistance, (36) 734.
without sugar, (35) 807; (39) 717. Cannonade, sound, propagation, (38) 510.	Grambala actival propagation (22) 142
· Cannonade, sound, propagation, (38) 510.	Carambola, as a val propagation, (32) 142. Caramel, detection in—
Cannonading— as a protection against hail, (40) 118.	beverages, (27) 207.
effect on ramiall, (37) 418, 512, 619, 717; (38) 115,	ginger, (27) 499.
511.	vanilla extracts, (20) 111.
Cantala, culture in Philippines, (30) 229.	Caramels—
Cantaloups, see Muskmelons.	examination, (37) 165.
Cantharellus ciburius—	sucrose and dextrose, preparation, (33) 65. Carausius morosus, parthenogenicity, (38) 858. Caraway moth, biology and importance, (29) 759. Carbamid, nitrification rate, (32) 124. Carbide waste, fertilizing value, (40) 726.
eomposition, (30) 805. effect on red blood corpuscles, (30) 879.	Caraway moth, biology and importance, (29) 759.
Canthurides, effect on chicken meat, (26) 660.	Carbamid, nitrification rate, (32) 124.
Cantharidin in Epicanta adspersa, (30) 357.	Carbide waste, ierthizing value, (40) 726.
Cantharoctonus stramineus n.sp., description, (29)	Carbohydrate— distillates, reducing action, (36) 15.
563. Canyon bottoms, erosion, (39) 512.	indigestion, notes, (34) 563.
Caoutchouc, see Rubber.	metabolism, (27) 464, 871; (28) 262; (39) 69, 874.
Capeweed, description, (35) 642; (36) 639.	metabolism-
Capillaria-	and internal secretions, treatise, (30) 380.
n.sp., destructive to deer, (26) 658.	as affected by air breathed, (32) 663. as affected by vitamin-free diet, (32) 257.
strumosa, notes, (40) 587.	in ducks, (29) 171.
Capillarity, use in biochemical analysis, (29) 408.	relation to thyroid secretion, (29) 868.
Capital, concentrated, effect on labor and social-	rôle of leucocytes in. (36) 265.
Capillary lift of soils, determination, (33) 618. Capital, concentrated, effect on labor and socialistic movements, (29) 491.	studies, (26) 359; (37) 64; (39) 69, 360, 874.
Caphodis teneprionis, notes, (27) 803.	minimum in human nutrition, (31) 561. mixtures, methods of analysis, (37) 10.
Capnodium—	transformations in after-ripening of potatoes,
brasiliense, notes, (35) 45; (38) 51.	(26) 626.
brasiliense, treatment, (34) 540. citricolum, notes, (36) 851. citricolum, treatment, (33) 149.	transformations in sweet potatoes, (34) 522.
citricolum, treatment, (33) 149.	utilization as affected by water drinking, (80)
heteromeles, notes, (26) 148,	766.
heteromeles, notes, (28) 148. sp. on sugar cane, (38) 352. sp. on teu, (39) 57. Caponizing, directions, (37) 368, 573.	utilization in cereal diet, (39) 364.
Sp. on ten, (39) 57.	Oarbohydrates— action of symbiotes on, (40) 464.
Capons—	and amino acids, reaction between, (36) 412.
and caponizing, (33) 98; (38) 476.	and gincosids, treatise, (28) /10.
care and management, (37) 368.	as an index to quality of feeding stuffs, (37) 208.

Carbohydrates-Continued.	Carbolineum-Continued.
as source of muscular energy, (28) 462.	effect on moor soils, (35) 724.
as substitute for fat for infants, (34) 462.	fungicidal value, (39) 758.
assimilation by pigs, (32) 170. assimilation by sugar beets, (26) 626.	Carbon— and alumina, fixation of nitrogen by, (29) 117.
circulation in plants, (35) 25.	carbonates, determination in soil, (40) 308.
determination, (26) 709; (33) 314, 712; (36) 614.	nitrogen, equilibrium in soils, (38) 421.
determination in— cereal products, (20) 799.	nitrogen transformation in soils, (32) 121.
flour, (27) 498.	assimilated by plants, origin, (27) 227. assimilation by plants, (27) 525; (29) 28, (37) 26;
plants. (32) 112, 807.	(38) 329, 821.
waste liquors of glucose plants, (40) 712. effect on—	bisulphid—
ammonia accumulation by microorganisms,	as disinfectant for stored corn, (31) 849 fumigant, (40) 350.
(37) 812.	soil disinfectant, (31) 621.
ammonia production and use in killed plants, (25) 327.	soil sterilizer, (26) 322.
ammonification, (28) 718.	combination products, (40) 505. destruction of cockchafers by, (27) 661.
ammonification, (28) 718. availability of nitrogen, (28) 725. blood sugar in phlorizm diabetes, (35) 863.	hisulphid, effect on—
blood sugar in phlorizin diabetes, (35) 863.	baking quality of flour, (26) 357. catalytic power of soils, (28) 118.
energy metabolism, (28) 570. intestinal flora, (36) 664; (40) 867. nitrogen excretion during starvation, (33)	germination of corn. (25) 456.
nitrogen excretion during starvation, (33)	germination of corn, (28) 456. germination of seeds, (27) 131, 342, 633 germination of wheat, (30) 837.
663.	germination of wheat, (30) 837.
nitrogen fixation, (28) 816. nutrition and growth, (33) 462.	nitrate acciministion in sous. (31) 342.
nutritive value of proteins, (40) 562.	nitrification, (30) 717. parasites, (28) 80. plants, (27) 27, 131. soil organisms, (28) 824; (30) 214; (31) 27; (38) 420; (40) 513, 619.
plant growth, (31) 27.	plants, (27) 27, 131.
protein metabolism, (26) 765; (34) 762, 763; (36) 364.	soil organisms, (28) 824; (30) 214; (31) 27;
secretion of urine in infants, (34) 763.	
toxicity of inorganic salts, (31) 730.	bisulphid— explosion in heated corn, (26) 864.
feeding during inanition, (26) 465.	fertilizing value, (27) 422; (29) 25
feeding, effect on creatin content of muscles, (30) 65.	for ascarids in horses, (26) 588.
formation and decomposition, (27) 635.	funnigation, (29) 640.
formation in plants, (32) 338.	fumigation of potatoes with, (31) 756. insecticidal value, (34) 249, 252, 851; (37) 359;
function in nutrition, (29) 868, handbook, (30) 610.	(40) 162
higher, preparation and detection, (29) 408.	relation to soil organisms and plant growth, (33) 323; (35) 20.
in asparagus roots, (26) 24.	use against harvester ant, (33) 57.
diet, (32) 857.	against leopard moth, (31) 652.
diet, varying amounts, (27) 666. feeding stuffs, valuation, (26) 363.	against mill insects, (30) 155.
grape leaves, studies, (27) 731.	against weeds, (30) 837. in kerosene omulsion, (31) 549.
grape leaves, studies (27) 731. leaves, variations in, (29) 827. mangel leaves, (28) 128; (36) 125. mixed rations, (32) 69, 70. Musci, (38) 609. Pers ribber (27) 615	black, effect on-
mixed rations. (32) 69. 70.	action of soil organic compounds, (34) 126.
Musci, (36) 609.	nitrification in soil, (38) 119.
Para rubber, (27) 615. pine wood, (34) 608. potato leaves, (36) 126.	plant growth, (36) 212. soils, (36) 214.
potato leaves, (36) 126.	compounds, assummation by moin tungi, (66)
Savoy cabbage, (33) 310. shoots of Sasa paniculata, (29) 803.	726. determination, (31) 313; (33) 207; (37) 110, 803;
snoots of Sasa paniculata, (29) 803. snowdrops, studies, (27) 427.	(40) 206, 308.
vegetables, (31) 11.	determination in—
vegetables, (31) 11. wheat and wheat products, (28) 836.	biological products, (40) 206. carbon dioxid, (36) 15.
isogynamic substitution of fats for, (40) 565.	soils, (32) 121, 805; (36) 15, 711.
methods of analysis, (35) 200, 315. of cacti, studies, (27) 9.	dioxid—
oxidation by potassium persuipatte, (33) 502.	absorption apparatus, (36) 805.
photochemical synthesis, (28) 529. physiology in the body, (29) 663.	absorption by green plints, (31) 33. analysis, apparatus for, (40) 111.
protein-sparing action of, (31) 763.	and overen, offect on nitrogen transforma-
reducing power and fermentative capacity, re-	tion in soils, (36) 724.
Intionship, (30) 202. relation to humus, (34) 515.	as affected by ultraviolet rays, (30) 431. as affecting root growth, (40) 30, 420.
relation to protein synthesis, (40) 562.	as son disinfectant, (31) 248.
rôle in—	assimilation, (39) 225. assimilation by plants, (26) 822; (28) 728; (20) 324; (31) 236; (35) 633; (36) 632.
creatin-creating metabolism, (26) 158.	assimilation by fluides, (20) 822; (20) 725;
infant feeding, (35) 165. nutrition, (32) 359.	concentration, effect on plants, (33) 528.
specificity, (38) 411. substitution by fat in protein-free diet, (34) 168. transformation in the animal organism. (29) 63.	conservation of grapes in, (28) 437. content of soil air, (39) 516. content of urine, (39) 670.
substitution by fat in protein-free diet, (34) 168.	content of soil air, (39) 510.
transformation in the animal organism, (29) 63. utilization by green plants. (32) 823; (36) 125.	
utilization by green plants, (32) 823; (36) 125. water-soluble, in flaxseed, (32) 802.	determination, (26) 708; (27) 803; (28) 506;
Uardone acid—	determination, (28) 708; (27) 805; (28) 506; (31) 313; (34) 504, 610. dioxid, determination in—
solution, effect on potatoes, (27) 748.	air, (38) 806.
toxicity, (28) 662. toxicity in the diet, (35) 473.	baking powders, (40) 412, 508.
use against—	baking powders, (40) 412, 508. carbonates, (38) 110; (39) 503; (40) 113.
abortion in cattle, (28) 781; (29) 696. anthrax, (27) 182.	expired air, (29) 167. plant respiration studies, (39) 27.
onion maggot, (30) 160.	soils, (26) 99.
tetanus, (26) 378; (27) 381; (32) 476.	soils, (20) 99. solution, (37) 804. water, (28) 203; (29) 808; (31) 806. waters and effluents, (34) 410.
Carbolineum— as insecticide, (26) 561; (31) 155.	waters and effluents. (34) 410.
as preservative for poles, (26) 644.	dioxid, determination of minute quantities— (33) 711.
as soil sterilizer. (26) 322.	(33) 711.

Carbon-Continued.	Carbonates—
dioxid, effect on— availability of plant food, (27) 514.	alkali, determination, (26) 406. alkaline, determination in chlorinated solutions,
calcium cyanaraid, (32) 125 germination of seeds, (27) 201; (31) 521;	(39) 506. determination, (37) 616, 802.
(32) 328. hemolytic reaction, (36) 878.	determination in— hypochlorite solutions, (40) 309.
uitrification in soils, (35) 627. oviposition of house fly, (38) 563.	soils, (30) 113, 808; (35) 415; (38) 313. solution, (37) 804.
plant growth, (28) 38; (29) 417; (31) 521, 532; (32) 422, 728.	determination of carbon dioxid in, (40) 113. effect on—
respiration in plants, (35) 821.	nitrification in soils, (26) 817.
ripening of persimmons, (26) 327. rotatory power of sucrose and invert sugar,	saccharification of starch, (26) 309. soil bacteria, (38) 818.
(37) 802. soil reaction, (38) 720.	soil bacteria, (38) 818. mixture of, analysis, (40) 112. relation to growth of algae, (28) 821.
solubility of soils, (33) 513.	role in soils, (30) 822.
sprouting of potatoes, (32) 829. taste of water, (30) 714.	soluble, reaction with metallic salts, (31) 504. v. silicates as sources of lime and magnesia for
dioxid— elimination by nerves, (29) 466.	plants, (32) 622. Carbonation—
evolution in seeds, (27) 220. dioxid, excretion—	in bottles, stirrer for, (37) 716. studies, (39) 804.
after muscular work, (29) 569.	Carbonic acid, combined, determination, (39) 205
and barometric pressure, relationship, (29) 569; (30) 563.	Carbonized material in soils, (28) 418. Carbonylase—
during muscular work, (28) 462; (31) 561.	in potatoes and sugar beets, (35) 634. notes, (30) 504.
fertilizing value, (28) 728, 837; (31) 140, 235, 519.	Carbunculosis, hematic, diagnosis, (30) 180.
for orchard heating, (39) 45. forcing plants with, (28) 837.	Carburation, treatise, (31) 785.
formation from humus preparations, (34) 19.	kerosene, description, (38) 492. performance, standards, (37) 188.
formation in presence of carbohydrates, (34) 127.	Carburetors— adaptation to low volatile fuels, (40) 191.
generator, stopcock for, (40) 202.	for burning kerosene, (36) 288.
in incubation, (31) 172. in soils, (28) 320; (32) 718.	Carcella— (Exorista) pyste, notes, (31) 752.
in soils, relation to bacterial activity, (29) 423.	gnava, biology, (39) 658. Carcinoma—
loss from incubating eggs, (33) 575. output during muscular work, (26) 871.	diagnosis, (26) 483; (30) 682; (31) 876. human, viability in animals, (27) 81.
output, relation to fatigue, (30) 867.	of the genitals, diagnosis, (31) 877.
dioxid, production— by autofermentation of yeast, (26) 867.	on the skull of a horse, (26) 483. serodiagnosis, (26) 83; (32) 179. transmission by bedbugs, (31) 550.
during mental work, (29) 768. in soil, (31) 127; (38) 118.	transmission by bedbugs, (31) 550. treatment, (40) 767.
in soil, relation to ammonia accumulation, (39) 516.	ulcerating, spirochetes of, (26) 581. Cardiac—
of cultures, apparatus for determining, (38)	disease, metabolism in, (35) 371.
dioxid—	stimulants, tests, (36) 576. Cardiophorus spp., notes, (30) 758.
relation of growth to algae, (28) 821. respiration in plants, (28) 728.	frankli as a host of curlew bug, (27) 162.
respiration in plants, (28) 728. seed treatment, production of secondary dormancy by, (39) 225.	rusts affecting in North America, (29) 750. spp., digestibility, (32) 770.
separation in sprouting seeds, (28) 728.	Caribou—
separation in sprouting seeds, (28) 728. tension in alveolar air, (34) 369. titration of small quantities, (33) 413. treatment of soils, (39) 38, 618, 620; (40) 739.	conservation, (37) 757. protection in Alaska, (36) 791.
	Carica— papaya—
effect on nitrification, (27) 322. in clays and maris, (32) 121.	botany and culture. (33) 440.
in convivated and abandoned lands, (99) 622.	origin, (30) 842. sex in, (28) 639.
monoxid— analysis, apparatus for, (40) 111. detection, (20) 610.	quercifolia, host plant of fruit fly, (26) 758. Carissa arduina—
detection, (29) 610. effect on catalytic hydrogenation, (38) 409.	culture in Guam, (30) 41. host plant of fruit fly, (26) 758.
effect on sprouting of potatoes, (32) 829.	Cornetion-
in kelp, (36) 804. nitrogen, and humus ratios in soils, (28) 217.	bul rot, notes, (28) 854. disease, notes, (32) 849. foot rot, notes, (27) 752. leaf spot in Italy, (37) 155. mildew, notes, (36) 547. plant bearing flowers of two colors, (36) 837.
nutrition of plants, (31) 426. of food protein, conversion into fat and carbo- hydrates, (26) 158.	foot rot, notes, (27) 752.
hydrates, (26) 158. of urine, heat of combustion, (26) 161.	mildew, notes, (36) 547.
organic, determination in soils, (28) 708; (37) 505. organic, direct assimilation by Ceratodon pur-	1050, 10005, (37) 700.
pureus, (40) 325.	soils, temperature and moisture studies, (32)
protein, utilization by the body, (26) 564. tetrachlorid—	stem rot, notes, (30) 247.
as a substitute for carbon bisulphid in fumigation, (28) 65.	stem rot, studies, (28) 851; (33) 350. stem rot, treatment, (27) 752.
as delousing agent, (40) 651.	white tip, notes, (36) 47. wilt, notes, (34) 242.
fumigation, (29) 640. insecticidal value, (34) 253.	wilt or crown rot, cause and treatment, (38) 51. yellows, studies, (38) 51.
transformation in soils, (31) 818. Carbonaceous food, effect on secretion of enzyms,	Carnations—
(28) 727. Carbonate and bicarbonate mixtures, titration,	and pinks, treatise, (27) 41. breeding, (28) 543.
(39) 714.	breeding experiments, (28) 438; (35) 240.

Carnations—Continued.	Carrots-Continued.
colur enlitting (30) 746	antipolyneuritic substances from, (40) 174.
culture and breeding experiments, (39) 746. culture, treatise, (26) 337.	as catch crop after wheat, (37) 136.
Culture, treatise, (26) 337.	as source of calcium in diet, (39) 876. breeding experiments, (39) 542.
fertilizer experiments, (26) 739; (27) 844; (29) 840; (32) 746; (36) 445; (38) 144; (40) 741.	breeding experiments, (39) 542. catalytic fertilizers for, (27) 629. composition as affected by irrigation, (28) 332.
greenhouse, red spider on, (39) 65.	composition as affected by irrigation, (28) 332.
guide, (28) 438.	culture, (26) 393; (27) 32; (28) 42. culture—
inheritance of doubleness, (39) 123.	experiments, (27) 33; (32) 132, 431; (34) 34
insects affecting, (30) 356. Mendelian inheritance in, (28) 438.	(35) 440; (36) 32, 228; (37) 742; (40) 625, 735
multiplication of floral parts in, (30) 644; (31)	experiments, (27) 33; (32) 132, 431; (34) 34 (35) 440; (36) 32, 228; (37) 742; (40) 625, 735 in Rhodesis, (27) 32, 637. in South Dakota, (40) 32.
443; (32) 535.	on moor soils. (40) 523.
perpetual flowering, (39) 449. picotees, and pinks, handbook, (26) 139.	on moor soils, (40) 523. with cereals, (31) 735.
Thrips flava affecting, (26) 347.	digestion coefficients, (39) 171.
picotees, and pinks, handbook, (26) 139. Thrips flava affecting, (26) 347. treatise, (31) 743; (34) 44.	effect on following crop, (40) 624. effect on milk and butter, (34) 570.
yearbook, (38) 44. Carnauba wax, methods of analysis, (28) 511.	electroculture experiments, (30) 733: (40) 428.
Carnaubon in horse kidneys, (30) 477.	electroculture experiments, (30) 733; (40) 428. feeding value, (32) 461; (38) 665. fertilizer experiments, (26) 436, 631, 727; (30) 138 (31) 133; (36) 440; (37) 742; (40) 735. fertilizer requirements, (27) 639. feed warieties, (20) 23
Oarnegiea—	fertilizer experiments, (26) 436, 631, 727; (30) 138
gigantea— accumulation and destruction of acid in, (34)	fertilizer requirements (27) 639
730.	field, varieties, (30) 33.
behavior of excised branch of, (35) 820.	field, varieties, (30) 33. food value, (36) 863.
rate and course of growth, (40) 30.	formation of pigments in roots, (28) 36. germination in mercury vapor light, (30) 827.
Carnivora susceptibility to infectious bulbar paral-	growth as affected by sulphur, (29) 215.
Carnitin in horseflesh, (30) 61. Carnivora, susceptibility to infectious bulbar paralysis, (33) 179.	influence on toxicity of sodium tartrate, (40
Carnostu	285.
in meat extracts, (30) 61. in rabbit meat, (26) 563.	inheritance of shortened development, (39) 734 irrigation experiments, (28) 131, 133, 134; (29)
Carob—	427; (33) 287.
notes, (20) 362; (29) 330. pods for skim-milk calves, (36) 369.	liming experiments, (40) 134.
pods for skim-milk calves, (36) 369.	losses in cooking, (28) 460.
treatise, (37) 747. Carotin—	mulching v. clean culture, (33) 534. radio-active fertilizers for, (35) 628.
detection, (27) 803.	raw and boiled, nutritive value, (40) 267.
detection, (27) 803. detection in oleomargarine, (36) 16.	relation between size of seed and yield, (26) 439
fate during digestion, (31) 275.	relative yielding capacity, (40) 625. Rhizoctonia disease, studies, (39) 53.
formation, relation to mitochondria, (29) 827. in milk fat, relation to other carotins, (31) 273.	sclerotinia diseases, (26) 647; (40) 49.
milk fat, studies, (32) 18.	seeding experiments, (29) 432.
oils and vegetables, (39) 713.	stock, yields, (40) 734. varieties, (28) 436, 631; (27) 32, 334, 637, 736; (28) 531; (29) 222, 530; (31) 133; (32) 523, 532; (33) 34, 831; (35) 440; (37) 228,
ripening tomates, (29) 132. pigments, formation, (37) 632.	531; (29) 222, 530; (31) 133; (32) 528, 532; (33
spectro-colorimetric estimation in plants, (31)	34, 831; (35) 440; (37) 228.
520,	os; 531; (55) 420; (57) 225. varieties for moor culture, (39) 438. variety tests, (39) 336; (40) 735. winter storage, (38) 422. yield as affected by time of thinning, (29) 431 yields, (39) 334.
toxicity, (36) 164. xanthophyll group in Chrysomelidae, (34) 865.	winter storage (38) 442
	yield as affected by time of thinning, (29) 431
Carolinoids— in insects, (34) 885. in plants, (34) 827. plant and animal, relation, (36) 411. plant, studies, (31) 803. Carolinoidal principles (31) 275	yields, (39) 334.
In plants, (34) 627.	Carsidarinae, (26) 149. Carthamus tinctorius—
plant, studies, (31) 803.	culture for seed, (37) 230.
Carolo-arbumin, notos, (or) 2:0:	oulture for seed, (37) 230. oil content, (31) 234. studies, (36) 228.
Carp—	Studies, (36) 228. Cartilage—
breeding in rice fields, (30) 675. nutritive value and recipes, (38) 165.	chemistry of, (28) 201.
Carpenter—	occurrence of fat in, (26) 366.
ant, large black, notes, (26) 147.	Carum petroselinum as a host of eelworm, (34) 349
moth, notes, (27) 658. worm, see Prionoxystus robiniae.	Carvacrol, manufacture, (40) 110. Carya of North America, (40) 248.
Carpet beetle—	Carynota mera, notes, (26) 148.
notes, (32) 250.	Caryohorus gonagra—
remedies, (39) 762. Carpet grass—	in Hawaiian Islands, (40) 266. life history, (29) 253.
culture in cotton belt, (32) 534.	notes, (27) 155.
for cut-over lands, (39) 231.	Casca luzonica n.sp., description, (39) 566.
Carpocapsa—	Cascara sagrada industry in Pacific Northwest, (32
funebrana, morphology and biology, (33) 748. pomonella, see Codling moth.	46. Casease in latexes, (31) 409.
splendana, notes, (40) 854.	Casein
Carpoglyphus anonymus, studies, (39) 664.	ammonification in soils, (33) 808.
Carpophilus hemiptorus, notes, (34) 454; (40) 853. Carposina adreptella, notes, (28) 355.	analyses, (26) 171. and caseingen, difference between, (32) d08.
Carrichtera—	and lat. determination in milk. (31) 674.
annua, description, (36) 442. velle, analyses, (33) 466. Carrion's fever and verruga, identity, (30) 658.	antigenic properties, (29) 174. antiserum, biological analysis, (30) 112. as affected by rennin, (29) 805.
Velle, analyses, (33) 466.	antiserim, biological analysis, (30) 112.
Carrot—	assimilation by ruminants, (31771.
fly, remedies, (31) 158. leaf spots in Indiana, (39) 52.	autoclaving, (39) 369.
leaf spots in Indiana, (39) 52.	by-product of sour cream, notes, (26) 31.
rust fly, see Psila rosae.	chemistry of, (32) 606. compounds—
seed production in Canada, (33) 226; (34) 635. seed production in Denmark, (37) 742.	composition and properties, (29) 9.
seed, vitality, (27) 740.	preparation and properties, (29) 805.
Oarrots— analyses, (27) 469; (32) 461, 465; (33) 759; (36) 65;	studies, (31) 709. condition of in milk, (32) 607.
(38) 665.	cooperative manufacture, (30) 16.

Casein—Continued.	Cassava—Continued.
detection, (30) 112.	bran, analyses and feeding value, (29) 769.
determination—	breeding experiments, (26) 435.
714; (35) 207; (39) 206.	culture, (38) 535; (39) 423. culture—
in milk, (30) 414; (31) 114; (32) 413; (33) 503, 714; (35) 207; (39) 206. in milk chocolate, (29) 790; (32) 298. in tea and coffee, (29) 790.	and manufacture, (30) 38.
in tea and coffee, (29) 799.	and use, (40) 763.
of peptic activity, (31) 504. digestion by pepsin from different animals, (28)	experiments, (29) 830; (30) 229; (31) 226; (40)
407.	231, 434. in Philippines, (26) 361; (40) 231.
digestion of, (26) 662.	in Philippines, (26) 361; (40) 231. dieback, notes, (36) 541. dieback, treatment, (34) 841. diseases in Trinidad and Tobago, (34) 51.
dried, manufacture, (29) 676. efficiency for milk production, (36) 872.	dieback, treatment, (34) 841.
factors affecting precinitation, (29) 800.	diseases, notes, (28) 854.
factors affecting precipitation, (29) 800. for clarifying cider and perry, (26) 26. formation in mammary gland, (32) 411.	dried, and cassava flour, (39) 208.
formation in mammary gland, (32) 411.	farine, manufacture, (32) 761.
gastric digestion, (27) 168. heated, nutritive value, (34) 369; (36) 160.	227: (36) 332: (38) 820: (40) 628
hexone bases of, (33) 409.	flour, analyses, (39) 870.
hydrolysis, (28) 607.	dried, and cassava flour, (39) 208. farine, manufacture, (32) 761. fertilizer experiments, (29) 829; (30) 34, 525; (33) 227; (36) 332; (38) 829; (40) 628. flour, analyses, (39) 870. flour and starch, examination, (29) 361. flour for darve cattle, (34) 873
hydrolysis— as affected by carbohydrates, (37) 10.	flour for darry cattle, (34) 878. for pigs, (30) 174; (32) 569. growth in calcareous soils, (31) 627, 816.
by trypsin, (29) 202.	growth in calcareous soils, (31) 627, 816.
in presence of starch, (38) 613.	pandbook, (40) 435.
products, prolin fraction of, (30) 463.	hawk moth, notes, (28) 354; (38) 261.
products, refractivity, (28) 18. importance in the animal organism, (33) 758.	hydrocyanic acid in, (33) 260, 665; (37) 168. improvement, (28) 736.
in milk of different breeds, (27) 779.	insects affecting, (28) 854; (30) 752; (34) 754; (37)
industrial uses, (30) 378 industry in Europe, (29) 173 isoelectric point of, (31) 175.	460.
isoelectric point of, (31) 175.	leaf and stem disease, notes, (34) 843; (37) 551. meal for calves, (30) 768.
judging, (20) 111.	meal for dairy cows, (31) 573; (33) 275.
lysin content, (31) 559.	meal for dairy cows, (31) 573; (33) 275. mite, notes, (35) 263.
maintenance experiments with, (28) 864. manufacture, (20) 276, 779, 801; (27) 179; (29)	notes, (26) 362.
673; (40) 415.	planting experiments, (38) 530. production in St. Vincent, (39) 835.
manufacture—	pulp, analyses, (34) 665. red mite of, (40) 656. root, notes, (29) 362.
and use, treatise, (29) 312. from milk, (30) 378.	red mite of, (40) 656.
in Denmark, (28) 512.	roots and their by-products, analyses, (30) 613.
in northern Europe, (30) 177. media for milk analysis, (26) 576; (29) 718. methods of analysis, (33) 176.	roots, starch content, (30) 502.
media for milk analysis, (28) 576; (29) 718.	Silage, notes, (31) 732.
milk, mineral elements in. (30) 611.	silage, notes, (31) 732. spraying experiments, (34) 50. starch, determination, (28) 709.
milk, mineral elements in, (30) 611. nephelometry in study of, (30) 410.	Stem Dorer, Hotes, (54) 65.
nutritive value, (40) 463, 464.	use, (32) 761. varieties, (26) 435, 534, 733; (28) 828; (30) 434 525; (31) 524; (35) 134; (36) 735; (38) 33, 335
of buttermilk and skim milk, (39) 386. cow's and goat's milk, cleavage, (27) 12.	525; (31) 524; (35) 134; (36) 735; (38) 33, 335
goat's milk, composition, (34) 708.	520, 530, 828.
goat's milk, composition, (34) 708. human and cow's milk, composition, (26)	variety tests, (40) 522.
112. human milk, (39) 668.	sia— auriculata bark for tanning, (37) 147.
milk, tryptic and peptic cleavage, (26) 565.	chamaecrista, culture, (34) 736.
sov beans. (40) 415.	ground, analyses, (29) 462.
osmotic pressure of, (26) 307. phosphorus, biological significance, (27) 169.	hirsuta as a green manure, (26) 528. oil, constituents of, (34) 501; (40) 202.
phosphorus, biological significance, (27) 169. preparation, (39) 801. protein for milk production, (36) 671. rôle in glycogen formation, (31) 703. solubility in dilute acids, (31) 409. solubility in dilute acids, (31) 409. solution by sodium hydroxid, (36) 108. solution by sodium hydroxid, (36) 108. solution by sodium hydroxid in presence of alkali, (35) 712. spray, proparation and use, (34) 745.	Cassida—
protein for milk production, (36) 671.	nebulosa, notes, (31) 157. pallidula, notes, (35) 657.
rôle in glycogen formation, (31) 763.	pallidula, notes, (35) 657.
solubility in dilute salt solutions, (40) 710.	pallidula, studies, (36) 57. Cassytha—
solution by sodium hydroxid, (36) 108.	filiformis, habits and relations, (30) 745.
solution by sodium hydroxid in presence of	filiformis, notes, (37) 452.
spray, preparation and use, (34) 745.	melantha, autoparasitism in, (34) 626. Castaneas—see also Chestnuts.
studies, (40) 802.	parthenogenesis in, (30) 544. Castanopsis chrysophilla, planting in Southern
studies, (40) 802. symposium on, (28) 777. use in Bordeaux mixture, (33) 450.	Castanopsis chrysophilla, planting in Southern
value for growth or maintenance, (37) 864.	States, (26) 651. Castanospermum australe, toxicity, (26) 278.
vegetable, production, (26) 613.	Castilla—
Caseinogen—	elastica, culture in Dominica, (29) 748. elastica, tapping experiments, (28) 443.
action of coagulating enzyms on, (32) 607. and casein, difference between, (32) 608.	elastica, tapping experiments, (26) 443.
density and solution volume, (31) 804.	seed, prolonging viability of, (29) 642.
effect on gaseous metabolism in man, (28) 569.	Castnia— daedalus, notes, (30) 359.
preparation and composition, (35) 201. separation of hydrolysis products, (40) 611.	licus, notes, (28) 555; (30) 853; (38) 459.
Cashew—	licus on sugar cane, (40) 57.
notes, (29) 746.	therapon in New Jersey, (36) 54.
nut industry in India, (32) 46.	Castor bean—ash, analyses, (29) 714.
nuts, microscopic identification, (28) 565. Casimiroa edulis, culture in California, (26) 743.	bacterial wilt, studies, (39) 550.
Cassa,va-	cake, fertilizing value, (27) 337; (38) 220, 337.
analyses, (30) 174; (31) 37; (32) 40, 252; (33) 568;	crown gall, X-rayed, (39) 453. diseases, notes, (33) 545.
(39) 208. ant, studies, (31) 656.	floral anomalies in, (29) 629.
as food, (36) 561.	leaf rust in Morocco, (39) 53.
as source of starch, (37) 535.	lipase—
bacterial disease, notes, (35) 245. beetles in Java, (35) 467.	action upon esters, (31) 710. action upon fats, (39) 411.
and the second section of the sectio	

Castor bean—Continued.	Catalase—Continued.
lipase—continued. as affected by manganous sulphate, (29)	in liver, effect of emotions on, (38) 167.
713.	milk, (26) 112, 507; (28) 611. milk, factors affecting, (35) 10.
as affected by neutral salts, (30) 409.	Sterne muk. (28) 411.
extraction experiments with, (31) 711.	tissues during starvation, (38) 869. tissues during thyroid feeding, (38) 870.
notes, (30) 204. studies, (27) 712.	increasing and inhibiting activity of, (28) 50
meal-	localization in marine algae, (31) 626.
as wheat bran adulterant, (38) 712.	notes, (27) 109. plant, physiology of, (28) 803. production, action of vitamin on, (40) 563.
detection in feeding stuffs, (29) 205; (30)	plant, physiology of, (26) 803.
204. fertilizing value. (31) 820: (35) 126.	relation to oxidase in plant tissue, (36) 610
fertilizing value, (31) 820; (35) 126. plant for sheep, (26) 368.	rôle in—
plants as test for ethylene gas, (30) 227.	acidosis, (38) 870.
poisoning, notes, (28) 80. poisoning, studies, (34) 466.	plant respiration, (34) 523; (36) 329. plants, (27) 526.
products, detection in feeding stuffs, (26) 209.	separation of peroxides from, (27) 408.
rust, studies. (30) 845.	solution, destruction by erepsin, (33) 311.
urease, experiments with, (32) 710.	studies, (33) 409. tests in dairy inspection, (27) 781.
Castor beans— breeding experiments, (40) 435.	use of term, (33) 329.
culture and utilization, (33) 438.	Catalpa—
culture experiments, (32) 227; (36) 830; (38) 336,	as affected by tarring roads, (26) 432.
527.	cost of growing, (37) 451.
culture iu Egypt, (38) 338. description and analyses, (30) 733.	description and culture, (27) 346. hardy, culture, (27) 147.
esterase and lipase of, (32) 808.	hardy, notes, (26) 51.
fumigation with hydrocyanic acid gas, (33) 522.	leaf spot, notes, (39) 353.
in northern Africa, (40) 234, 334.	midge in Maryland, (38) 155. speciosa, culture, (27) 147.
in Rhodesia, (40) 526. insects affecting, (40) 453, 649.	sphinx, notes, (26) 753; (28) 155, 353; (34) 755
lipase in. (28) 610.	sphinx, notes, (26) 753; (28) 155, 353; (34) 755 wood rots, notes, (27) 752.
of Indo-China, analyses, (40) 627.	wood rots, studies, (28) 551. Catalysis, treatise, (29) 504; (34) 312; (35) 801.
production and exploitation, (40) 334. Pythium debaryanum affecting, (31) 51.	Catalysis, creatise, (29) 504; (34) 512; (55) 501.
toxicity, (27) 378; (31) 80. urease in, (30) 409. varieties, (30) 434, 525. yields, (39) 434.	Catalytic—
urease in, (30) 409.	fortilizers for sugar beets, (26) 225. fertilizers, studies, (27) 628.
varieties, (30) 484, 525.	fertilizers, studies, (27) 628.
Castor oil—	substances, fertilizing value, (33) 841. Catalyzers—
as a vermifuge, (38) 883.	biochemical, textbook, (32) 662; (38) 611.
as a vermifuge, (38) 883. detection, (29) 613.	use in destructive distillation of hardwoods,
detection in ethyl alcohol, (29) 312. determination of purity, (39) 100, 110, 416. hydrolysis and constitution, (27) 804. Indo-Chinese, acidity, (39) 504. physical constants, (35) 312. plant, treatise, (40) 234. production in United States, (40) 614.	(38) 808. Catarrh—
hydrolysis and constitution, (27) 804.	in horses, treatment, (84) 881.
Indo-Chinese, acidity, (39) 504.	intestinal—
physical constants, (35) 312.	effect on milk, (32) 479. immunization, (27) 582.
production in United States. (40) 614.	in cattle, (34) 575.
Castot poinace-	transference from mother to offspring, (27)
availability of nitrogen in, (35) 426.	583.
fertilizing value, (30) 835; (37) 144, 321. Castration—	laryngo-tracheal, in horses, (34) 480. uterine, in a mare, (27) 684.
affect on-	vaginal—
blood of animals, (26) 83. growth of bones, (26) 471. horn growth in sheep, (29) 772; (31) 867.	immunization, (30) 578.
growth of bones, (20) 4/1.	in cows, treatment, (26) 285; (27) 886.
internal organs, (29) 168.	relation to abortion, (27) 287. treatment, (27) 888.
internal secretion glands of rabbits, (34) 864.	Catarrhal fever, nialignant— in cattle, (31) 381; (37) 80.
man and domestic animals, (28) 571.	in cattle, (31) 381; (37) 80.
sheep, (27) 70. size of gells, (26) 364.	in horses and mules, (31) 287. Catasetum, flowers of, (35) 431.
m birds, (40) 8/1.	Catastoma spp., effect on vegetation, (38) 222.
of animals, treatise, (32) 578; (33) 176; (34) 477.	Caten crops, notes, (29) 331; (36) 529.
parasitic, in Membracidae, (26) 148. relation to secondary sexual characters in Brown	Caterpillar plague in California, (26) 846. Caterpillars—
Leghorns, (29) 69.	bacterial diseases of, (32) 554.
Leghorns, (29) 69. relation to transmissible tumors of rats and mice, (30) 167.	bag-shelter, injurious to horses, (26) 456.
mice, (30) 167. Casuarina—	defoliating, remedies, (31) 60; (32) 850. dipterous parasites of, (32) 847.
insects affecting, (28) 753.	flacherie and polyhedral disease of, (32) 851.
trees, borer injury (40) 860. Cat flea, see Ctenocephalus felis, and Fleas.	habits, (27) 559.
Cat flea, see Ctenocephalus felis, and Fleas.	habits, (27) 559. looper, notes, (30) 753.
Cat-tail rush as summer host of insects, (37)) 461. Catalase—	range, studies, (50) oo.
activity and respiration in sweet corn, (39) 524.	red-humped, notes, (30) 157. remedies, (28) 551. studies, (28) 589, 860. surface-feeding, locomotions, (40) 352.
activity in etherized builds and tubers, (30) 728.	studies, (26) 859, 860.
activity of tissues in avian polyneuritis, (40) 563.	
and oxidese reactions seneration (28) 502	treatise (21) 250
and oxidase reactions, separation, (36) 503. as affected by inorganic salts. (28) 504.	treatise, (31) 850.
and oxidase reactions, separation, (36) 503. as affected by inorganic salts, (26) 504. chemical nature. (33) 311.	wilt disease of, (30) 252. yellow bear, control by parasites, (37) 760.
and oxidase reactions, separation, (36) 503. as affected by inorganic salts, (28) 504. chemical nature, (33) 311. determination, (26) 204; (31) 413.	wilt disease of, (30) 252. yellow bear, control by parasites, (37) 760. Catha edulis—
and oxidase reactions, separation, (36) 503. as affected by inorganic salts, (26) 504. chemical nature, (33) 311. determination, (26) 204; (31) 413. in blood as affected by—	wilt disease of, (30) 252. yellow bear, control by parasites, (37) 760. Catha edulis—
and oxidase reactions, separation, (36) 503. as affected by inorganic salts, (26) 504. chemical nature, (33) 311. determination, (26) 204; (31) 413. in blood as affected by— acetone and certain acids, (40) 766. alcohol, (40) 364.	wilt disease of, (30) 252. wilt disease of, (30) 252. yellow bear, control by parasites, (37) 760. Catha edulis— culture in Egypt, (34) 232. description, (26) 139.
and oxidase reactions, separation, (36) 503. as affected by inorganic salts, (26) 504. chemical nature, (33) 311. determination, (26) 204; (31) 413. in blood as affected by— acetone and certain acids, (40) 766. alcohol, (40) 364. food investion, (40) 364, 385, 786.	wilt disease of, (30) 252. wilt disease of, (30) 252. yellow bear, control by parasites, (37) 760. Catha edulis- culture in Egypt, (34) 232. description, (28) 139. Cathartics, saline, effect on metabolism, (28) 867 Cations—
and oxidase reactions, separation, (36) 503. as affected by inorganic salts, (26) 504. chemical nature, (33) 311. determination, (26) 204; (31) 413. in blood as affected by— acetone and certain acids, (40) 766. alcohol, (40) 364. food investion, (40) 364, 385, 786.	wilt disease of, (30) 252. wilt disease of, (30) 252. yellow bear, control by parasites, (37) 760. Catha edulis— culture in Egypt, (34) 232. description, (26) 139. Cathartics, saline, effect on metabolism, (28) 867 Cations— blyalent, effect on permeability of protoplasm,
and oxidase reactions, separation, (36) 503. as affected by inorganic salts, (26) 504. chemical nature, (33) 311. determination, (26) 204; (31) 413. in blood as affected by— acetone and certain acids, (40) 766. alcohol, (40) 364.	wilt disease of, (30) 252. wilt disease of, (30) 252. yellow bear, control by parasites, (37) 760. Catha edulis- culture in Egypt, (34) 232. description, (28) 139. Cathartics, saline, effect on metabolism, (28) 867 Cations—

a +1	Cathle Carthau 1
Catiang, notes, (26) 362.	Cattle-Continued.
Oato seed oil, physical constants, (35) 312. Catocala spp. affecting pecan, (38) 762.	black and white—continued.
Catocalinae in British Museum, catalogue, (31) 652.	East Friesian, blood lines, (27) 277. of Holland, origin, (26) 166.
Catochrysops pandava, notes, (40) 260.	blood—
Catolaccus townsendi n.sp., description, (30) 59.	changes in due to method of slaughter, (34)
Catophractes alexandri, analyses and digestibility,	372.
(27) 871; (32) 167.	count as affected by altitude, (31) 679.
Catorama mexicana, notes, (27) 155.	marginale points in. (26) 173.
Cats-	meal for, (30) 369. blue breed of the north, notes, (26) 73.
care and feeding, (28) 173. color inheritance in, (40) 870.	blue breed of the north, notes, (26) 73.
color inneritance in, (40) 870.	blue-gray, inneritance in, (36) 168.
destruction of wild life by, (36) 653.	blue-gray, notes, (26) 667.
dissemination of anthrax by, (28) 678.	Bordelaise, characteristics, (27) 873.
ear, geographical distribution, (26) 335.	bracken poisoning, (39) 891.
factors affecting pulse rate, (28) 768. growth of, (30) 467.	brains of, (31) 168.
mange affecting, (37) 581.	branding chute for, (26) 385. Brazilian Caracú, notes, (27) 172.
milk, composition, (40) 775.	breeders' associations in France, (27) 277.
morphology of blood, (28) 777.	breeding-
morphology of blood, (28) 777. mucous membrane of, (26) 480.	and care, (33) 71.
paralysis in, (26) 185.	management, (28) 466.
parasites and diseases of, treatise, (31) 586.	management, treatise, (34) 467.
relation to Rocky Mountain spotted fever, (27)	utilization, promotion, (28) 92.
479.	as affected by nutrition plane, (31) 367; (33)
reproductive organs of, (27) 369.	265.
tortoise-shell, color inheritance in, (38) 269. Catsup—	circuit in North Dakota, (33) 78.
bacteriologicale amination, (37) 468.	connective (26) 160: (27) 800
determination of sodium henzogte in (27) 800	community, (30) 678; (40) 300. cooperative, (26) 169; (27) 899. diseases of, (40) 778.
manufacture, (32) 356. manufacture, (32) 356. methods of analysis, (32) 253, 298. Cattaloes, notes, (31) 266, 566, 567. Cattlle—see also Cows, Calves, Heifers, Steers, etc. Aberden-Apuls, economic importance, (38) 69	Dutch methods, (31) 474. experiments, (26) 166; (27) 672; (28) 670; (29) 666; (31) 664; (35) 564, 570, 869; (37) 66; (40) 73, 873, 877.
methods of analysis, (32) 253, 298.	experiments, (26) 166; (27) 672; (28) 670;
Cattaloes, notes, (31) 266, 566, 567.	(29) 666; (31) 664; (35) 564, 570, 869; (37)
Cattle—see also Cows, Calves, Heifers, Steers, etc.	66; (40) 73, 873, 877.
Aberdeen-Angus, economic importance, (38) 69. Aberdeen-Angus, history, (33) 72. Afrikander, notes, (34) 707.	for dairy production, (38) 176.
Aberdeen-Angus, history, (33) 72.	for weight and milk production, (29) 673.
Afrikander, notes, (34) 767.	handbook, (27) 277.
Afrikander, origin and characteristics, (28) 670.	handbook, (27) 277. in Alaska, (28) 465; (29) 770. Bavaria, (27) 873.
Algau-African crosses, notes, (29) 171, 369. amoebae affecting, (27) 477.	Daymark and Swaden (90) 868
anaphylactic shock due to or warble extract	Denmark and Sweden, (29) 666.
anaphylactic shock due to ox warble extract, (36) 478; (37) 379.	Dutch East Africa, (29) 666. French Guinea, (30) 171.
anatomy and physiology of mammary glands,	Holland. (29) 686.
(26) 774.	Holland, (29) 666. Kamerun, (27) 672. Latium, (27) 172.
ancestry, (27) 870. ancestry, treatise, (28) 466.	Latium, (27) 172.
ancestry, treatise, (28) 466.	Mecklenburg, history, (26) 273.
as affected by—	Netherlands, (31) 596, 691.
certain alkaloids, (29) 476.	Philippines, (30) 869.
dips, (27) 477. excessive wheat feeding, (36) 865.	Punjab, (30) 767.
frozen silege (26) 570	Riiouesia, (29) 275.
frozen silage, (26) 570. Hypoderma linentum, (39) 157.	Sweden (96) 477
as draft animals, (38) 790.	Tahiti. (28) 265
Australian, worm nodules in, (26) 183.	Latium, (27) 172. Mecklenburg, history, (26) 273. Netherlands, (31) 596, 691. Philippines, (30) 869. Punjab, (30) 767. Rhodesia, (29) 273. Sao Paulo, (29) 368. Sweden, (26) 477. Tahiti, (28) 265. Vorarlberg, (27) 877. West Flanders, (29) 771. investigations, (37) 775. maintenance in winter, (34) 171.
Ayrshire—	West Flanders, (29) 771.
inheritance of aural abnormality in, (33)	investigations, (37) 775.
873.	maintenance in winter, (34) 171.
measurements and descriptions, (28) 467.	notes, (26) 768.
milk production in relation to advanced	problems in, (32) 169.
registry, (37) 775. origin and characteristics, (33) 873.	problems in, (32) 169. records, (40) 873. station in India, report, (26) 232.
sex-limited color in, (35) 272.	breeds—
barns—	and origin, textbook, (39) 881.
for prairie farms, (35) 689.	British, (29) 571.
plans, (31) 488.	in Belgian Kongo, (32) 865.
ventilation, (32) 284.	in France, (32) 169.
basal katabolism, (39) 270.	in Saxony, (32) 774.
Bazadaise, notes, (31) 367.	in Belgian Kongo, (32) 865. in France, (32) 169. in Saxony, (32) 774. tests, (26) 879.
beel	British, new piroplasm in, (26) 683. "bulldog," notes, (35) 374. cactus for, (33) 70.
breeds, (32) 568.	notice (22) 70
care and management, (31) 266. cost of raising, (35) 670; (39) 169. feeding experiments, (39) 72, 168, 273, 370. growth on limited ration, (40) 567.	calinare (40) 279
feeding experiments (39) 72, 168, 273, 370.	calipers, (40) 872. castration, (29) 168.
growth on limited ration. (40) 567.	Central-German red, notes, (34) 264.
maintenance, (38) 270.	Charollaise, notes, (28) 267.
raising in Pennsylvania, (35) 168; (39) 72.	charts for schools, (31) 299.
raising in South, (39) 477. raising in West, (40) 177.	Chiana and Romagna breeds, comparison, (29)
raising in West, (40) 177.	68.
ratio of bone to meat, (40) 555. trypanosomes in, (28) 284.	Claviceps paspali poisoning in, (39) 891.
crypanosomes in, (28) 284.	color inheritance in, (38) 574; (40) 870.
v. uanty type, matterning, (30) 007.	combustible gases excreted by, (27) 500; (28) 69. composition during fattening, (27) 499.
v. dairy type, fattening, (38) 667. wintering, (40) 472. beet tops for, (30) 473.	conformation studies, (26) 573.
Bergschecken, investigations, (27) 571.	correlation measurements, (28) 68.
biometrical methods in study of, (28) 873.	cost of maintenance and growth, (27) 499.
birth weights of eight breeds, (40) 873.	cost of production, (28) 467; (35) 667, 668; (38)
black and white-	471.
ancestry, (27) 70; (28) 770.	cotton-seed meal for, (32) 865.

52831-26†---9

Cattle-Continued.	Cattle—Continued.
Creole, of Argentina, (30) 171. cysticerci affecting, (27) 182.	feeding—see also Cattle, beef, Calves, Cows, and Steers.
doing-nee also Come	feeding, (26) 164, 879; (27) 375.
and beef, cross-breeding, (40) 73. and beef, for baby beef production, (40) 74. breeds, history and development, (34) 472. breeds, prolificacy in, (33) 576. care and management, (37) 872.	feeding— and management. (28) 581.
breeds, history and development, (34) 472.	and management, (28) 581. and management, textbook, (37) 172.
breeds, prolificacy in, (33) 576.	and management, textbook, (37) 172. economic factors in, (28) 72. experiments, (26) 408, 707; (27) 672, 673, 776, 873; (28) 71, 109, 266, 770; (29) 65, 272, 408; (30) 566, 868, 870; (31) 408, 573, 664, 766; (32) 168, 260, 462, 471, 769; (33) 170, 371, 569; (34) 170, 171, 467, 566; (35) 188, 372, 374; (36) 167; (37) 66, 269, 769, 866, 895; (38) 167, 369, 370, 371, 571, 666, 609, 770, 771, 774; (40) 369. experiments in Denmark, (33) 174.
	873; (28) 71, 169, 266, 770; (29) 65, 272, 468;
cost of raising, (34) 470. feeding, (37) 474. form and function, relationship, (27) 675.	(30) 566, 868, 870; (31) 468, 573, 664, 766;
feeding, (37) 474.	569; (34) 170, 171, 467, 566; (35) 168, 372,
judging, (33) 899. judging in Denmark, (31) 770.	374; (36) 167; (37) 66, 269, 769, 866, 895;
judging in Denmark, (31) 770. manual, (37) 574.	771, 774; (40) 369.
Shorthorn, breeding and selection, (29) 473.	experiments in Denmark, (33) 174.
soiling crops for, (31) 265. treatise, (26) 78.	for growth and reproduction, (39) 71.
deficiency diseases of, (36) 161.	in Punjab, (27) 669.
dehorning, (32) 680.	experiments in Denmark, (33) 174. experiments on pasture, (30) 488. for growth and reproduction, (39) 71. in Punjab, (27) 669. south Texas, (34) 265. the corn belt, (31) 468, 865. the South, (28) 796; (33) 668. mineral requirements in. (33) 870.
dehorning and castrating, (39) 290. detection of foreign bodies in, (26) 678.	the South, (28) 796; (33) 668.
determination of—	on phosphate fertilized pastures. (31) 174.
age, (29) 368; (37) 482, 770. hemoglobin in, (29) 68.	on the farm, (32) 668. profits and losses in, (34) 867.
hemoglobin in, (29) 68. live weight, (33) 569. development of limbs, (34) 564.	profits and losses in, (34) 867.
Devon, notes, (29) 571.	rack, description, (38) 593. relation to agriculture, (28) 365.
digestion experiments, (31) 767; (34) 372; (39)	relation to soil improvement, (26) 873.
673. dipping, (26) 382; (28) 181; (34) 479.	review of literature, (33) 170. starch values in, (33) 673.
dipping at short intervals, (29) 886.	treatise, (32) 258. feeds, methods of analysis, (26) 99.
dipping tanks, control of fluid in, (31) 776. dipping tanks for, (29) 87.	fermentation products of stomach and intes-
dips, arsenical, preparation and use, (31) 776.	tines, (30) 670. fetal life, (40) 466.
disease—	finishing on roughage without grain, (30) 100.
in mountainous regions of California, (37) 477.	fish for, (32) 862. fish meal for, (33) 169.
Patagonia, (39) 85.	fitting for the show-ring, (34) 73.
Philippines, (38) 183. Sierra Nevada foothills, (36) 79.	fitting for the show-ring, (34) 73. Flemish, notes, (30) 869; (32) 364. ficating horns of, (22) 771. Fribourger black and white, notes, (30) 775. Fribourger black and white, notes, (30) 775.
western Nevada, (38) 487.	Fribourger black and white, notes, (30) 775.
western Nevada, (38) 487. new, in Argentina, (38) 687. resembling Texas fever, (32) 781.	Friesian, scale of points for, (26) 73. gains on mountain pastures, (28) 873.
transmission by blood-sucking insects, (26)	Galloway, for Alaska, (39) 168.
150.	Galloway, for Alaska, (39) 168. Garonnaise, notes, (31) 367. Gayal and Gaur, similarities, (29) 571.
diseases—see also specific diseases. control during war, (38) 287.	Gayai hybrids, descriptions, (28) 670.
control during war, (38) 287. diagnosis, (36) 676.	Gayai hybrids, measurements, (27) 672.
handbook, (37) 778.	gestation period, determination, (34) 565. grape marc for, (32) 567.
effect on milk, (32) 478. handbook, (37) 778. in British East Africa, (30) 576. in Importal Valley, (26) 482. in South Africa, (33) 384.	grazing experiments, (36) 270.
in South Africa, (33) 384.	growing, nutritive ratios for, (34) 372. growing, protein requirements, (26) 768.
losses from, (35) 192. nature and treatment, (34) 383.	growing, protein requirements, (26) 768. growth data, (28) 467.
notes, (26) 373; (27) 181; (29) 676; (31) 266,	Guernsey, advanced register records, (33) 275. Guernsey breed, (40) 179.
272.	Hannaberner, studies, (30) 869.
of digestive organs, (40) 86. relation to phosphate depletion of soil, (38)	hard palates of, composition and digestibility, (35) 763.
118	Harz, characteristics, (27) 277. health herd book, (37) 482.
report on, (36) 881. treatise, (26) 485; (34) 278, 477, 478; (38) 781. treatment, (37) 583. domestic, ancestry, (27) 172. domestic, origin and classification, (27) 70.	
treatment, (37) 583.	heat production of, (30) 268, helminths affecting, (27) 886. Hereford, origin and development, (33) 73. Hereford-Shorthorn, color, (27) 771. hides, supply of, (32) 91. Holstein-Friesian, color markings of, (30) 572. Holstein-Brissian, color markings of, (30) 572.
domestic, ancestry, (27) 172. domestic, origin and classification, (27) 70.	Hereford, origin and development, (33) 73.
domestication and improvement, (29) 68. dual-purpose, (35) 476. dual-purpose Red Polled, origin, (37) 866.	Hereford-Shorthorn, color, (27) 771.
dual-purpose Red Polled, origin, (37) 866.	Holstein-Friesian, color markings of, (30) 572.
dual-purpose Shorthorn, origin, (87) 574. duration of cestrum in, (37) 776.	Holstein, measurements, (32) 861. host of spotted fever tick, (26) 64.
East Friesian, origin and measurements, (28)	husbandry, course in. (33) 696.
572.	husbandry, course in, (33) 690. Illawarra, notes, (27) 877. Illawarra, registration requirements, (27) 74.
East Indian, in Jamaica, (26) 472. effect of standing or lying on metabolism, (28)	immunization against—
68.	abortion, (28) 380; (30) 184. African coast fever, (26) 683, 882; (29) 476;
elimination of tubercle bacilli from, (31) 84. entrails, utilization, (30) 567.	Airican coast lever, (26) 683, 882; (29) 476; (31) 585; (32) 273.
estimating condition, (32) 399; (33) 469.	(31) 585; (32) 273; anaplasmosis, (31) 585; (32) 476. anthrax, (28) 376, 778; (31) 82. foot-and-mouth disease, (28) 284; (30) 280;
European breeds, classification, (26) 267. examination of feces, (27) 481.	antarax, (28) 376, 778; (31) 82, foot-and-mouth disease. (28) 284: (30) 280:
experimental studies, (27) 172. exports from Canada, (26) 768.	(31) 879.
exports from Mexico, (27) 70.	hemoglobinuria, (26) 285. intestinal catarrh. (27) 582.
exports from Mexico, (27) 70. exports from United States, (26) 768. factors affecting pulse rate, (28) 768; (29) 66.	intestinal catarrh, (27) 582. piroplasmosis, (31) 585; (32) 476.
fattening in relation to feed and environment,	rinderpest, (26) 377; (31) 283; (32) 580; (38) 484.
(34) 305.	Texas fever, (28) 882.

Cattle-Continued.	Cattle-Continued.
immunization against—continued.	lice in Montana. (37) 687. lice, life history and remedies, (38) 764. Linealship Red Shorthorne. (32) 668.
immunization against—continued: tuberculosis, (26) 284, 380, 584, 680, 681; (29) 499, 584, 886; (30) 482; (31) 85, 380, 779; (32) 679.	Difficultablic fied blightholis, (33) 503,
(32) 679.	loan banks, notes, (31) 594. loan companies, treatise, (40) 389.
vaginal catarrh, (28) 380. immunization in Philippines, (36) 881.	localization of pigment in (27) 369.
importation into Philippines, (26) 666.	localization of pigment in, (27) 369. loss of weight in shipping, (27) 873. lowland and highland, length of neck, (30) 671.
imported— ,	lowland and highland, length of neck, (30) 671.
high temperature periods in, (31) 482. in Jamaica, (27) 172.	lowland v. mountain, slaughter tests, (27) 70. lymphatic system, (27) 784.
into Germany, tuberculin test for, (26) 282. improvement, (28) 176; (37) 768.	maintenance—
improvement, (28) 176; (37) 768.	factors affecting cost, (33) 569, rations, (26) 167, 664; (28) 169.
improvement, value of good sires, (37) 866. in Africa and Polynesia, studies, (26) 472.	male, collection of urine and feces from, (29) 408.
Beigium, importation and exportation, (32)	management in Alaska, (39) 168.
668. Bengal, survey, (39) 269.	manual, (26) 165. manure, fertilizing value, (26) 232; (27) 337; (38)
British Museum, (30) 767.	433.
central Pyrenees region, (26) 768.	manure, preservation, (30) 25.
Demonte, Italy, (32) 668. French West Africa, (32) 365.	marginal points in blood corpuscles, (27) 784. marketing, (31) 266.
Kongo, (31) 865.	marketing in the South, (37) 391.
Philippines, (31) 768.	measurements, (28) 472, 571, 767; (29) 68, 169, 571. measurements—
Philippines, ancestry, (26) 666. United States, (31) 73, 167.	importance of, (31) 168.
Uruguay, new trypanosome in, (26) 584.	of skeletons, (28) 607. treatise, (27) 675.
Indian breeds, notes, (26) 667.	metabolism experiments, (28) 68; (32) 98; (35)
industry in— Argentina, (28) 365; (29) 170, 171.	271.
Argentina, (28) 365; (29) 170, 171. Australia, (29) 570; (31) 266. Bengal, (34) 767.	methods of measuring, (26) 473.
Bengal, (34) 767. British India (28) 467	microorganisms in— conjunctival sac of. (26) 176.
British India, (28) 467. Canada, (32) 865; (33) 98. Chile, Colombia, and Argentina, (31) 666.	conjunctival sac of, (26) 176. large intestine, (29) 466.
Chile, Colombia, and Argentina, (31) 666.	mesenteric giands, (28) 885.
Colorado, (38) 772. Friuli, (27) 70.	milking Shorthorn, association in America, (34) 269.
Germany, (30) 170.	Moravian, handbook, (26) 268.
Germany, (30) 170. Great Britain, (31) 565. Hungary, (27) 672. Italy, (26) 130.	Moravian prehistoric, studies, (30) 869. mucous membrane of, (26) 480.
Italy. (26) 130.	Murboden and Pinzgau, growth measurements,
Faraguay, (27) 771. Queensland, (27) 489. the French Alps, (29) 190.	(28) 267.
Queensland, (27) 489.	nematode in connective tissue, (27) 83; (28) 81. nodular intestinal disease, (27) 289.
Uruguay. (27) 171.	nontuberculous, advance registration for, (34)
Uruguay, (27) 171. western Canada, (26) 167.	184.
Württemberg, treatise, (28) 873. industry, statistics, (27) 571.	Normandy, notes, (30) 473. Norrland mountain, improvement, (27) 675. Norwegian, origin, (27) 277, 771.
infection with—	Norwegian, origin, (27) 277, 771.
avian tuberculosis, (26) 583.	nutritive requirements. (31) 700.
Trypanosoma americanum, (29) 680. inheritance of—	oak poisoning, (39) 386. of Argentina, (29) 468. Brazil, (30) 567; (33) 469.
characters, (40) 367.	Brazil, (30) 567; (33) 469.
characters, (40) 367. characters in dairy and beef crosses, (40) 73. color in, (31) 266, 470. milk yield in, (27) 375. poll character in, (29) 68. twin calving in, (32) 568. injury due to gezing (39) 543.	Catanduanes Islands, (27) 771. different ages, feeding experiments, (40) 74.
milk yield in, (27) 375.	Dutch East Africa, (29) 468; (30) 171. German Southwest Africa, (33) 668.
poll character in, (29) 68.	German Southwest Africa, (33) 668.
injury due to grazing. (29) 543.	Germany, (33) 296, 668. Guam, (30) 68.
injury due to grazing, (29) 543. inoculation with abortion bacillus, (29) 779.	Holland, characteristics and measurements,
inspection for interstate shipment, (34) 185.	(31) 474. India, improvement, (30) 671.
insurance— in France, (30) 792,	Italy, (29) 571.
in France, (30) 792. in India, (36) 290.	Jamaica, improvement, (33) 870.
societies in Holland, (30) 493. societies, mutual, in Burma, (31) 593.	northern Spain, (31) 169. Ruanda, German East Africa, (31) 565.
intestinal flora of. (35) 76.	Saint Girons and Aure valleys, (31) 565.
intracutaneous tuberculin reaction with, (26)	Touraine, (27) 74. Tunis, description, (27) 571.
180. intradermal reaction in, (31) 181.	Volhynia, origin and characteristics, (28) 467.
Irish-Kerry, studies, (30) 869.	Wales, (29) 571. West Prussia, inbreeding and heredity in,
Japanese, craniometry, (40) 276. Jersey—	(30) 869.
inbreeding, (37) 776; (38) 269.	oil cakes for, (38) 572.
St. Lambert strain, (30) 73. variation in tongue color, (30) 98; (31) 565.	ongin. (33) 469.
Jersey-Angus—	origin and ancestry, (26) 165. origin and distribution, (31) 564.
breeding experiments, (32) 865	paralysis in, (26) 185. parasites of fourth stomach, (30) 381.
crosses, notes, (29) 171.	parasites of fourth stomach, (30) 381. parathyroid glands of, (29) 377.
judging, (30) 679; (33) 71, 899; (37) 94. judging for selecting dairy cows, (40) 872.	pasture grasses for, (40) 72.
judging, treatise, (27) 571.	pasturing experiments, (26) 367; (32) 567; (39)
Kerry and Dexter, notes, (32) 267. Kerry, origin and characteristics. (37) 776.	474. paunch contents as pig feed, (33) 672.
Kirghiz, of southern Siberia, (30) 4/3.	paunch movements in, (27) 68.
labor requirements, (36) 790.	pigmentation in, (28) 769. Piroplesma sop. affecting (28) 82.
lavocat for, (30) 67. length of gestation, (40) 873.	paunch movements in, (27) 68. pigmentation in, (28) 769. Piroplasma spp. affecting, (28) 82. plague—see also Rinderpest.
lessons on, (26) 493.	pacterium, opsome power of serums agames,
lice control. (40) 651.	(27) 285.

Cattle-Continued.	Cattle-Continued.
poisoning—see also Livestock and Forage poisoning, Plants, poisonous, and specific	slaughter tests at Smithfield Show, (31) 565. slaughterhouse, frequency of pregnancy in, (33) 86.
plants. by accorns, (26) 586. black bean, (26) 278. ergot, (26) 586; (28) 80. flaxsed screenings. (26) 86; (28) 477.	slughtering on the farm, (31) 266; (35) 317. spotted, of Upper Bavaria, (28) 371. stable v. open shed for, (38) 668. standing and lying, metabolism, (27) 500.
flaxseed screenings, (26) 86; (28) 477. larkspur, (27) 180; (29) 230; (35) 780. mangels, (27) 780. ragwort, (38) 82.	sterility in, (32) 679. straight-horned, studies, (28) 467. structure of third stomach, (28) 271.
Simulium bites, (32) 82. soy-bean meal, (36) 580. tobacco juice, (30) 577.	sugar for, (33) 467. supply of United States, (31) 767. susceptibility to tuberculosis, (26) 178.
yellow jasmine, (34) 80. Zygadenus, (33) 177. in pasture, (30) 584.	Swiss— breeds, notes, (31) 371.
pure bred, handling, (34) 185.	characteristics, (27) 873. mathematical selection of, (35) 374. spotted, notes, (30) 567.
pure bred, in Montana, (36) 470. Raisers' Association of Texas, (30) 268. raising—	Tarentaise, origin, characteristics, and value, (29) 68. textbook, (31) 468.
in Alaska, (36) 469. Argentina, (26) 874. blue grass region, (35) 868.	thermal tuberculin reaction in, (26) 180.
Ohile, (30) 671. corn belt States, (35) 668.	as affected by climate, (20) 458. as affected by Roentgon rays, (28) 57.
Italian Somaliland, (34) 227. Jamaica, (29) 570. Pennsylvania, (38) 69.	as affected by arsenical dips, (29) 287. as affected by climate, (20) 488. as affected by Roentgon rays, (28) 57. Australian, in Key West, (30) 554. Australian, notes, (28) 158. biology, (28) 63. control, (34) 479; (39) 85, 862. tick control in— Argentins (37) 277
Pennsylvania, (38) 69. Scotland, (38) 772. Tunis, (29) 369. on Indian reservations, (35) 374.	control, (34) 479; (39) 85, 862. tick control in— Argentina, (37) 277. Tennessco, (29) 653.
southwestern ranges, (38) 470. the range, treatise, (29) 666.	United States, (36) 403.
western range States, (35) 667. treatise, (29) 368. under modern intensive farming, (30) 170. range—	effect on milk production, (32) 581, 681, cradication, (26) 459; (27) 77, 81, 84, 163, 184, 579, 655; (28) 181; (31) 85; (32) 681; (34) 275, 679; (38) 95, 777; (37) 779.
bred, interstate movement, (38) 179. emergency feed for, (40) 276, 471.	LICK, eradication in—
maintenance on yucca and sotol, (40) 277. rations for, (34) 72, 372. red, of Denmark, studies and bibliography, (26)	Alabama, (26) 183; (31) 483; (37) 687. Costa Rica, (30) 684. Georgia, (29) 384.
667. red, of Flanders, (31) 169. Red Poll—	hereditary infection in, (30) 460.
for dairying, (30) 271. milk yields, (26) 574; (32) 267.	in Argentina, (40) 459. Australia, (30) 82; (38) 286. Guam, (35) 877.
origin and characteristics, (26) 165.	New Zealand, (26) and
region, meteorological service, (39) 718. relation of body weight to feeding value, (28) 271.	Porto Rico, (38) 761. incubation period in relation to heat intensity, (38) 415.
relation to farm receipts, (27) 669. respiration and assimilation trials, (32) 169.	life history, (26) 458; (29) 585. notes, (29) 658; (34) 851. oviposition of, (26) 760.
reversion in, (33) 608. rice hulls for, (39) 272.	popular account, (39) 289.
rotation of blood plasma and scrum in, (29) 881. Roumanian, improvement, (40) 375. rubber seed meal for, (28) 746.	relation to equino piroplasmosis, (31) 382 studies, (28) 758; (33) 750; (40) 56. transportation, (26) 268; (28) 770.
rutting period in, (20) 768. sarcosporidia in, (28) 885.	treatise, (30) 170. trypanosomes in, (28) 284.
scap and its control, (40) 290. scarcity in Great Britain. (29) 571.	
score cards for, (26) 493. segregation in, (28) 570, 572.	tuberculin reacting, breeding, (34) 575.
	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283.
serum anaphylaxis in, (32) 178.	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 180; (40) 873.
serum, haptines in, (26) 374.	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 160; (40) 873. uniform classification for fairs, (33) 697.
serum anapuytaxis in, (32) 178. serum, haptines in, (26) 374. sex control in, (38) 175. sex determination in, (33) 669.	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 180; (40) 873. uniform classification for fairs, (33) 697. utilization of feed by, (38) 409. variols in chickens, (27) 685.
serum, haptines in, (32) 178. serum, haptines in, (26) 374. sex control in, (38) 175. sex determination in, (33) 669. sex ratios in, (38) 574. sheep, and pigs, handbook, (28) 769.	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 189; (40) 873. uniform classification for fairs, (33) 697. utilization of feed by, (38) 469. variola in chickens, (27) 685. vesicular bile of, (26) 678. Welsh black, studies, (29) 571.
serum haptines in, (28) 374. sex control in, (38) 175. sex determination in, (33) 669. sex ratios in, (38) 574. sheep, and pigs, handbook, (28) 769. sheltering experiments, (27) 372; (28) 70. Shorthorn—	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 189; (40) 873. uniform classification for fairs, (33) 697. utilization of feed by, (38) 469. variola in chickens, (27) 685. vesicular bile of, (26) 678. Welsh black, studies, (29) 571. white, of Italy, (30) 869.
serum, haptines in, (32) 178. serum, haptines in, (26) 374. sex control in, (38) 175. sex determination in, (33) 669. sex ratios in, (38) 574. sheep, and pigs, handbook, (28) 769. sheltering experiments, (27) 372; (28) 70. Shorthorn— cost of beef and milk production, (39) 182. dairy, breeding and selection, (29) 473.	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 189; (40) 873. uniform classification for fairs, (33) 697. utilization of feed by, (38) 469. variola in chickens, (27) 685. vesicular bile of, (26) 678. Welsh black, studies, (29) 571. white, of Italy, (30) 869.
serum, haptines in, (28) 374. ser control in, (38) 175. sex control in, (38) 175. sex determination in, (33) 669. sex ratios in, (38) 574. sheep, and pigs, handbook, (28) 769. sheltering experiments, (27) 372; (28) 70. Shorthorn— cost of beef and milk production, (39) 182. dairy, breeding and selection, (29) 473. dairy troe, (28) 371.	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 189; (40) 873. uniform classification for fairs, (33) 697. utilization of feed by, (38) 469. variola in chickens, (27) 685. vesicular bile of, (26) 678. Welsh black, studies, (29) 571. white, of Italy, (30) 869.
serum, haptines in, (28) 374. ser control in, (38) 175. sex control in, (38) 175. sex determination in, (33) 669. sex ratios in, (38) 574. sheep, and pigs, handbook, (28) 769. sheltering experiments, (27) 372; (28) 70. Shorthorn— cost of beef and milk production, (39) 182. dairy, breeding and selection, (29) 473. dairy troe, (28) 371.	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 189; (40) 873. uniform classification for fairs, (33) 697. utilization of feed by, (38) 469. variola in chickens, (27) 685. vesicular bile of, (26) 678. Welsh black, studies, (29) 571. white, of Italy, (30) 869.
serum, haptines in, (32) 374. sex control in, (38) 175. sex determination in, (38) 669. sex ratios in, (38) 574. sheep, and pigs, handbook, (28) 769. sheltering experiments, (27) 372; (28) 70. Shorthorn— cost of beef and milk production, (39) 182. dairy, breeding and selection, (29) 473. dairy type, (28) 371. in Argentine, (34) 264. in Ireland, (27) 373. in Missouri, (32) 865. inheritance of cost color, (28) 365; (30) 469;	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 169; (40) 873. uniform classification for fairs, (33) 697. utilization of feed by, (38) 409. variola in chickens, (27) 685. vesicular bile of, (26) 678. Welsh black, studies, (29) 571. white, of Italy, (30) 869. wintering— experiments, (37) 268; 674. in corn belt, (38) 471. in Ireland, (33) 170. in North Carolina, (38) 870. on waste forages, (38) 371. worm nodules in, (28) 680; (31) 182. yellow Franken breed, monograph, (28) 170.
serum, haptines in, (26) 374. sex control in, (38) 175. sex determination in, (38) 669. sex ratios in, (38) 574. sheep, and pigs, handbook, (28) 769. sheltering experiments, (27) 372; (28) 70. Shorthorn— cost of beef and milk production, (39) 182. dairy, breeding and selection, (29) 473. dairy type, (28) 371. in Argentine, (34) 264. in Ireland, (27) 373. in Missouri, (32) 885. inheritance of cost color, (26) 365; (30) 469; (31) 470. of eastern Europe, (28) 467.	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 189; (40) 873. uniform classification for fairs, (33) 697. utilization of feed by, (38) 469. variola in chickens, (27) 685. vesicular bile of, (26) 678. Welsh black, studies, (29) 571. white, of Italy, (30) 869. wintering— experiments, (37) 268; 674. in corn belt, (38) 471. in Ireland, (33) 170. in North Carolina, (38) 870. on waste forages, (38) 371. vorm nodules in, (28) 680; (31) 182.
serum, haptines in, (26) 374. ser control in, (38) 175. sex control in, (38) 175. sex determination in, (33) 669. sex ratios in, (38) 574. sheep, and pigs, handbook, (28) 769. sheltering experiments, (27) 372; (28) 70. Shorthorn— cost of beef and milk production, (39) 182. dairy, breeding and selection, (29) 473. dairy type, (28) 371. in Argentine, (34) 264. in Ireland, (27) 373. in Missouri, (32) 865. inheritance of cost color, (26) 365; (30) 469; (31) 470. of eastern Europe, (28) 467. treatise, (35) 169; (88) 673.	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 189; (40) 873. uniform classification for fairs, (33) 697. utilization of feed by, (38) 469. variola in chickens, (27) 685. vesicular bile of, (26) 678. Welsh black, studies, (29) 571. white, of Italy, (30) 889. wintering— experiments, (37) 268; 674. in corn belt, (38) 471. in Ireland, (33) 170. in North Carolina, (38) 870. on waste forages, (38) 371. worm nodules in, (28) 680; (31) 182. yellow Franken breed, monograph, (22) 170. young, weights and measurements, (33) 669. Cattle-buffalo— crossing experiments, (31) 266, 566, 567.
serum, haptines in, (32) 178. serum, haptines in, (26) 374. sex control in, (38) 175. sex determination in, (33) 669. sex ratios in, (38) 574. sheep, and pigs, handbook, (28) 769. sheltering experiments, (27) 372; (28) 70. Shorthorn— cost of beef and milk production, (39) 182. dairy, breeding and selection, (29) 473. dairy type, (28) 371. in Argentine, (34) 264. in Ireland, (27) 373. in Missouri, (32) 865. inheritance of cost color, (26) 365; (30) 469; (31) 470. of eastern Europe, (28) 467. treatise, (35) 169; (39) 673. shrinkage in weight during transit, (30) 171. Simmental, notes, (31) 567.	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 180; (40) 873. uniform classification for fairs, (33) 697. utilization of feed by, (38) 409. variola in chickens, (27) 685. vesicular bile of, (26) 678. Welsh black, studies, (29) 571. white, of Italy, (30) 889. wintering— experiments, (37) 268; 674. in corn belt, (38) 471. in Ireland, (33) 170. in North Carolina, (38) 870. on waste forages, (38) 371. worm nodules in, (28) 680; (31) 182. yellow Franken breed, monograph, (28) 170. young, weights and measurements, (33) 669. Cattle-buffalo— crossing experiments, (31) 266, 566, 567. hybrid, notes, (28) 68. hybrids, skull dabracters, (38) 65.
serum, haptines in, (26) 374. ser control in, (38) 175. sex control in, (38) 175. sex determination in, (33) 669. sex ratios in, (38) 674. sheep, and pigs, handbook, (28) 769. sheltering experiments, (27) 372; (28) 70. Shorthorn— cost of beef and milk production, (39) 182. dairy, breeding and selection, (29) 473. dairy type, (28) 371. in Argentina, (34) 204. in Ireland, (27) 373. in Missouri, (32) 865. inheritance of coat color, (26) 365; (30) 469; (31) 470. of eastern Europe, (28) 467. treatise, (35) 169; (38) 673. sbrinkage in weight during transit, (30) 171.	tuberculin reacting, breeding, (34) 575. tuberculin reaction in, (27) 481. tuberculous, cell content of blood, (28) 283. Tuxer or Duxer, characteristics, (26) 873. twinning in, (35) 160; (40) 873. uniform classification for fairs, (33) 697. utilization of feed by, (38) 469. variola in chickens, (27) 685. vesicular bile of, (26) 678. Welsh black, studies, (29) 571. white, of Italy, (30) 869. wintering— experiments, (37) 268; 674. in corn belt, (38) 471. in Ireland, (33) 170. in North Carolina, (38) 870. on waste forages, (38) 371. worm nodules in, (28) 680; (31) 182. yellow Franken breed, monograph, (22) 170. young, weights and measurements, (33) 669. Cattle-buffalo— crossing experiments, (31) 266, 566, 567. hybrid, notes, (28) 68.

Cattle-zebu—Continued.	Cedar—Continued.
hybrids—continued.	rust on apples, (33) 247; (39) 54, 150,
descriptions, (28) 670.	rust on apples, (33) 247; (39) 54, 150. rust, studies, (28) 243; (38) 151.
heredity in, (28) 68.	western red—
measurements, (27) 672.	fungus disease of (31) 247
notes, (31) 664.	leaf disease of, (36) 652. Cedars, list, (29) 842; (35) 44. Cedarwood oil, larvicidal value, (34) 859.
Cattleya—	Cedars, list, (29) 842; (35) 44.
fly, see Isosoma orchidearum.	Cedarwood oil, larvicidal value, (34) 359
orchids, fumigation, (40) 352.	Cedestis gysselinella, notes, (34) 855.
Cauliflower—	Cedrats, culture in California, (40) 246.
carbohydrates in, (31) 11.	Ceiba pentandra, notes, (31) 736.
club root	Ceiba pentandra, notes, (31) 736. Celeriac, food value, (36) 863.
in South Africa, (29) 846.	Celerio lineata, notes, (28) 654.
notes, (34) 241.	Celery—
cost of production, (29) 595. culture, (29) 338, 639; (32) 337; (33) 238; (37) 143;	as affected by formaldehyde, (26) 731. bacterial—
(39) 345.	
oulture experiments (32) 635: (33) 43	diseases, descriptions, (37) 840.
culture experiments, (32) 635; (33) 43. fertilizer experiments, (31) 37; (34) 532.	diseases, notes, (37) 652. leaf-spot, studies, (33) 245.
germination in mercury vapor light. (30) 827.	rot, studies and bibliography, (31) 542.
germination in mercury vapor light, (30) 827. insects affecting, (29) 338.	blanching, harvesting, and marketing, (37) 699.
leaf spot or ring spot, notes, (34) 542. monstrosities of germination in, (32) 825. mulching experiments, (33) 534; (36) 237; (38)	blight-
monstrosities of germination in, (32) 825.	distribution, (34) 49.
mulching experiments, (33) 534; (36) 237; (38)	notes, (27) 849; (36) 349.
344.	or leaf spot notes (35) 454
preparation and use, (32) 253. ring spot, notes, (36) 145.	or rust, studies, (29) 846.
ring spot, notes, (36) 145.	treatment, (30) 348; (31) 344.
seed, production, (33) 226.	breeding experiments, (39) 542.
spot disease, description, (26) 54; (27) 249. varieties, (32) 635; (33) 43; (36) 237.	or rust, studies, (29) 846. treatment, (30) 348; (31) 344. breeding experiments, (39) 542. cooking, (31) 856. culture, (26) 539; (29) 639; (37) 143.
various, (32) 033, (33) 43, (30) 231.	culture, (26) 539; (29) 639; (37) 143.
winter, culture and marketing, (29) 338. worms, remedies, (33) 555.	
Caulleryella—	experiments, (33) 534; (38) 444. in Michigan, (29) 145. in western Washington, (33) 793; (36) 693.
anophelis n.sp., description, (39) 766.	in meetern Weehington (22) 702: (26) 802
aphlochaetae n.g. and n.sp., studies, (31) 851.	damping off, studies, (35) 844.
Caustic soda, see Sodium hydrate and Sodium	decay in storage. (31) 447
hydroxid	decay in storage, (31) 447. decay in transit, (38) 444.
Cave deposits, analyses, (29) 516; (31) 122.	disease, description, (34) 744.
Cavia spp., hybridization experiments, (28) 667.	diseases—
Caviar—	in Michigan, (38) 545. notes, (31) 747; (39) 353. studies, (30) 847; (39) 753.
analyses, (31) 656.	notes, (31) 747; (39) 353.
artificial coloration, (27) 809.	studies, (30) 847; (39) 753.
creatin and creatinin content, (31) 760.	treatment, (33) 848; (39) 52. early blight, notes, (35) 844.
detection of preservatives in, (36) 561. preparation and use, (35) 470.	fortilizar appariments (40) 124
studies, (30) 61.	fertilizer experiments, (40) 134. fly, notes, (33) 860.
Cavies, breeds and breeding, (38) 577.	fly, ovinosition (40) 457
Cavies, breeds and breeding, (38) 577. Cavy, crossing experiments, (34) 464.	fly, oviposition, (40) 457. growth and quality, (38) 444.
Cavy, wild Brazilian, hybridization experiments.	handling and precooling, (38) 444.
Cavy, wild Brazilian, hybridization experiments, (28) 667.	heart rot, notes, (31) 641.
Ceanothus—	heart rot, studies, (34) 244.
americanus, root nodules of, (35) 132.	late blight—
velutinus as a source of wax and tannin, (35) 413.	spraying, (39) 550. studies, (33) 742, 793; (40) 155.
Cecidia—	studies, (33) 742, 793; (40) 155.
of Brazil, (38) 661.	treatment, (32) 49; (36) 450; (38) 546.
of central and northern Europe, treatise, (26) 658.	leaf scorch, description and treatment, (28) 847.
thysanopterous, of Java, (30) 250; (38) 259. Cecidology, science of, (36) 456.	leaf spot—
Cecidomyia—	notes, (32) 239, 341, 544, 545. studies, (34) 350.
catalpae in Maryland, (38) 155.	treatment, (36) 748.
ceratoniae, notes, (40) 648.	melanose, studies, (35) 846.
ceratoniae, notes, (40) 648. ceratoniae, remedies, (32) 754.	premature seeding, (36) 237; (38) 344; (40) 444.
destructor, see Hessian fly.	red spider attacking, (39) 65.
oxycoccana, notes, (33) 352.	root scab, studies, (33) 547.
oxycocoana, studies, (36) 54.	rot, cause, (37) 751.
pyri, notes, (30) 53.	rot, notes, (40) 844.
Cecidomyildae—	seed—
British, catalogue, (39) 866. notes, (31) 455.	reduction in Consde (22) 20c. (24) 225
of Germany, (31) 158.	identification, (30) 802. production in Canada, (33) 226; (34) 635. treatment, (39) 238.
Cecidostiba n.spp., descriptions, (30) 59.	soups, examination, (30) 666; (31) 658.
Cecropia moth, notes, (26) 656; (28) 158; (40) 754.	storage experiments, (38) 142.
Cedar-	storage investigations, (35) 234.
apples—see also Gymnosporangium.	storage investigations, (35) 234. wild, growing for wild ducks, (29) 373.
notes, (28) 151.	Cell—
ashes, analyses, (35) 327.	activity, mechanisms of, (26) 106.
bark rusts, notes, (30) 544.	content of milk, studies, (26) 370.
borer, western, studies, (39) 467.	division—
cross-arms, tests, (27) 443.	in Moniczia, (28) 272.
commercial importance, (38) 751.	new force in, (26) 163. physiology of, (36) 822.
oils of, (34) 607.	studies, (40) 517, 518.
reproduction as affected by bear clover,	energy and respiration, notes, (30) 669.
(40) 842.	functions, chemical, method for study, (28) 21.
nursery blight of, (38) 53.	membranes, chemistry and structure, (34) 626.
red, blight affecting, (30) 152.	membranes, studies, (28) 37; (30) 28.
red, culture in Germany, (30) 646.	metabolism, review of literature, (32) 854.
red, for telephone poles, (30) 843.	substances, oxidizing and reducing, detection and significance, (31) 277.
rust, effect on apple leaves, (29) 49, 648.	and significance, (31) 277.
rust, galls of, (38) 448.	walls, differential permeability of, (30) 826.

Cellar—	Cellulose—Continued.
societies, (40) 893.	variations of in leaves, (29) 827.
walls, waterproofing and insulating, (33) 490.	waste liquors as source of potash, (34) 328
Cellia prijeherrima, stridies, (30) 361.	Celosia empress as a nost of celworm, (34) 349.
Cellobiose, utilization in hitrogen manion, (20) 625.	Cement—see also Concrete.
Cellose, acetylated derivatives, optical rotatory	as affected by—
powers, (36) 202.	alkali, (27) 89; (28) 86; (37) 788.
Cells—	alkali salts and sea water, (29) 686.
animal, see Animal cells.	sulphid, (38) 691.
as affected by castration, (26) 364.	various substances, (29) 891.
bibliography, (33) 168.	asphalt, penetration tests, (34) 685.
biochemistry, physics, and morphology, (27)	autoclave boiling test for, (28) 290.
174.	blended Portland, (38) 691.
chemistry, (27) 107.	concrete in draintile, proportioning, (40) 787.
chemistry and physics of, (32) 78.	determination of fineness, (30) 888. draintile, durability in alkali soils, (39) 86.
colloided and physical chamistry of (33) 28	draintile, durability in alkali soils, (39) 86.
colloidal and physical chemistry of, (33) 28. counting in milk, (26) 370.	draintile in alkali soils, (40) 386.
counting in mile, (20) 570.	dust—
germ, in mammalian ovary, development, (26) 470.	as source of potash, (37) 218, 630, 817. effect on citrus vegetation, (35) 313. effect on fruit trees, (27) 152; (31) 150.
in mills etudios (31) 272	effect on citrus vegetation, (35) 313.
in milk, studies, (31) 372. movements of starch grains within, (27) 426.	effect on fruit trees, (27) 152; (31) 150.
movements of starch grants within, (21) 420.	
permeability, (33) 127. physiology of, (26) 163. plant, see Plant cells.	mill dust, fertilizing value, (39) 429. mills, potash from, (36) 625; (38) 123, 124; (39)
physiology of, (20) 103.	mills, potash from, (36) 625; (38) 123, 124; (39)
plant, see Plant cens.	328, 329.
polarity in, (28) 765. structure, (27) 573.	mortar—
structure, (27) 573.	action in different salt solutions, (35) 291.
Cellular physiology, studies, (28) 362. Cellulase, notes, (28) 18.	as affected by hydrated lime, (30) 889.
Cellulase, notes, (28) 18.	as affected by lime, (40) 786.
Celluloid Cylinders for inoculation chambers, (31)	as affected by temperature, (33) 589.
549.	containing lime, tensile strength, (36) 286.
Cellulose—	paste, determination of consistency, (31) 91.
apparatus for digesting, (35) 206.	Dartland
as affected by ozone, (30) 711.	Portland— control of initial setting time, (29) 488.
as source of—	high program stoom test for (35) 687
dextrose in digestion, (26) 873.	high-pressure steam test for, (35) 687.
energy for nitrogen fixation, (29) 527.	methods of testing and of analysis, (29) 290
ossimilation by nice (32) 170	mortars and concretes, (39) 86. setting and hardening, (28) 891.
assimilation by pigs, (32) 170. bacterial digestion, (31) 827. chemistry, treatise, (28) 312. content of germinating seeds, (29) 525.	setting and nardening, (28) 891.
phomistry tractice (00) 219	specifications, (29) 290.
chemistry, meanine, (20) 512.	thermal activities in during setting, (31) 91
content of germinating seeds, (29) 320.	rollers, construction, (29) 688. sand, investigations, (29) 183.
decomposition—	sand, investigations, (29) 183.
by microorganisms, (31) 14.	sand, manufacture, (30) 689. sieves, tests, (30) 888.
in manures and soils, (30) 219.	sieves, tests, (30) 888.
in moor soils and peat, (31) 25.	specifications, (37) 386.
in soils, (36) 30.	storage, (27) 386. testing, (31) 91. tests of strength, (30) 87.
relation to nitrogen economy of nature, (28)	testing, (31) 91.
720; (30) 424.	tests of strength, (30) 87.
destruction—	tile, curing, (27) 580. tile, solubility, (31) 92. treatise, (35) 289. tufa, tests, (28) 589.
by fungi, (34) 136.	tile, solubility, (31) 92.
by microorganisms, (28) 627.	treatise, (35) 289.
in soils, (26) 825; (29) 528.	tufa, tests, (28) 589.
detection, enforzinc-lodid reaction, (30) 415.	use in larm structures, (34) 787.
determination, (26) 363; (27) 312; (28) 206, 615,	use in irrigation structures, (37) 787.
detection, chlorzino-iodid reaction, (30) 415. determination, (26) 363; (27) 312; (28) 206, 615, 711, 805; (29) 506; (30) 315; (32) 300, 314, 716.	vats, coatings for, (34) 287.
determination—	works, by-product potash, (40) 128.
apparatus for, (40) 410. in feeding stuffs, etc., (33) 14.	Cenangium abietis—
in feeding stuffs, etc., (33) 14.	injurious to white pines, (26) 752.
finely powdered materials, (27) 612.	notes, (28) 750; (32) 845.
flax stems. (32) 415.	Cenchrus echinatus, notes, (26) 361.
flax stems, (32) 415. flour, (33) 314.	Centaurea-
linseed cake, (26) 714.	cyanus-
meal, (40) 206.	coloration of flowers, (31) 324.
strow (32) 666	effect on yield of rye and barley, (30) 531
wheat, (40) 14.	scabiosa, root system, (37) 542.
	spp., drought resistance, (36) 734.
with nitric acid, (31) 17. digestibility, (26) 363; (29) 65; (35) 559. digestible, detection in feces, (27) 312.	Centipedes—
digestibility (26) 363: (29) 65: (35) 559	and their venom. (35) 858.
digestible detection in faces (27) 312	and their venom, (35) 858. house, notes, (32) 353.
digestion by cheen and nige (31) 667	summary of information, (39) 768.
digestion by sheep and pigs, (31) 667.	Contiguidae estandamina n en description (31) 556
distillation in vacuo, (38) 708.	Centistidea ectoedemiae n.sp., description, (31) 554 Centotheca malabaria, notes, (26) 361.
distillation under reduced pressure, (40) 110. effect on soil bacteria, (30) 125, 217.	Central Moor Commission report (31) 830
effect on soil nitrogen (25) 219	Central Moor Commission, report, (31) 830. Centralblatt für Bakteriologie, index, (27) 476.
effect on soil nitrogen, (35) 218,	Centrifugal force, effect on chemical systems, (28)
fermentation, (29) 528. fermentation by thermophilic bacteria, (31) 310.	
formentative eleganore (20) 200	168. Centrifuge, use in analytical chemistry, (36) 111.
	Centro-epigenesis, notes, (26) 365.
from millet (29) 117	Centrosema—
for laying hens, (34) 179. from millet, (32) 117. furnace for incineration, (35) 206.	plumieri as a green manure, (36) 324.
humifaction (29) 26	plumieri as a green manure, (30) 324. plumieri, fertilizing value, (34) 34.
humification, (38) 26, hydrolysis, (30) 615; (31) 310. in bacteria, (36) 501. in mixed rations, digestibility, (32) 70.	pubescens, culture, (34) 736.
in hantaria (26) KN1	Cephaelin derivatives, protozocidal and bacter
in mired nations, disartibility (29) 70	oidel estion (92) 190
an anaed radious, digestibility, (32) 10.	cidal action, (38) 180. Cephalandria indica, analyses, (31) 366.
manuacture from Damboo, (21) 041.	Combalarran mutca, analyses, (51) 500.
manufacture from vine shoots, (26) 613.	Cephaleuros-
preparation and use, (30) 315.	henningsii, description, (27) 450.
production from wood, (28) 50.	mycoidea, notes, (29) 345; (39) 849. notes, (30) 354.
studies, (29) 201.	110107, (30) 302.
treatise, (30) 202; (37) 112; (39) 614.	sp. on rubber, (33) 449; (38) 53.

Cephaleuros—Continued.	Ceratophyllus-Continued.
virescens—	famulus, notes, (37) 879.
in Sumatra, (39) 57. notes, (31) 55; (32) 445; (34) 55, 249, 744; (37) 253; (38) 354, 758.	fasciatus— biology, (27) 58.
(37) 253; (38) 354, 758.	biology, (27) 58. bionomics of, (31) 353.
on cacao, (40) 851. Cephalin—	distribution on rats, (29) 755.
fatty acids of, (31) 608.	longevity of, (30) 757.
fatty acids of, (31) 608. fatty acids of, (31) 608. ftromboplastic action, (37) 877. Cephalobus dubius, studies, (40) 267. Cephaloroton puschelli, analyses and digestibility,	life history, (31) 552. longevity of, (30) 757. notes, (28) 255, 356; (33) 159.
Cephalobus dubius, studies, (40) 207.	relation to plague, (33) 749.
(32) 107.	relation to plague, (33) 749. remedies, (31) 353. gallinae, see Hen flea. silantiewi, relation to plague, (26) 252. spp., notes, (28) 757.
Cephalonema polyandrum, fiber from, (37) 535.	silantiewi, relation to plague, (26) 252.
Cephalonomia mendionalis n.sp., description, (31) 355.	
Cephalosporium—	blood-sucking, of Brazil, (29) 54; (32) 450. new, from Peru, (34) 553. notes, (31) 455; (32) 851.
lecanil—	new, from Peru, (34) 553.
description, (33) 459. notes, (26) 553; (27) 358; (28) 453.	review of literature, (30) 159.
lefroyi, association with greenhouse white hy,	Ceratostoma juniperinum in France, (37) 253.
(34) 452. saccharl—	Ceratostomella spp., studies, (27) 354. Cerceris—
	n.spp., notes, (35) 262.
n.sp., description, (30) 650. notes, (34) 49; (35) 49; (37) 452; (40) 47, 157. sp., notes, (28) 733.	spp., bionomics, (35) 468.
sp., notes, (28) 733. sp. on coffee, (32) 646.	females, of America, (39) 364.
Cephalothecium—	sp., parasitic on black scale, (26) 555.
infection of wheat by, (26) 747.	Cercidiphyllum japonicum, food plant of purple
roseum— as affected by cold, (34) 538.	scale, (26) 756. Cercis—
notes, (31) 641; (37) 550.	canadensis, relation between ovules and seeds, (31) 523; (33) 130; (36) 628. fruit, physico-chemical constants of, (31) 427.
relation to apple rot, (33) 348.	(31) 523; (33) 130; (36) 628.
temperature relations, (33) 545; (36) 649. sp. on pecan, (39) 553.	Cercomones termo, notes, (29) 316.
Cephenomyia—	Oercomonas termo, notes, (29) 316. Cercopeus artemisiae, notes, (35) 364. Cercopids of Trinidad, (30) 250.
abdominalis n.sp., description, (34) 64.	Cercopids of Trinidad, (30) 250. Cercospora—
biology, (37) 565. pratti n.sp., description, (34) 554.	acrocomiae n.sp., description, (39) 52.
Cephidae larvae, notes, (40) 655.	agatidis n.sn., description, (30) 51.
Cephus— American species, (40) 655.	aleuritidis n.sp., description, (27) 848. apli, see Celery blight.
occidentalis, habits, (37) 855.	peticola
occidentalis, studies. (34) 250.	climatic conditions affecting, (35) 47. description and treatment, (28) 847.
Cerambycid larvae— determination of abdominal and thoracic areas,	effect on composition of sugar beets, (31)
(36) 258.	436.
Henriksen's review, (34) 361.	notes, (28) 649; (29) 153; (30) 47; (32) 50; (33) 851; (35) 245, 350, 750; (37) 249. studies, (34) 845; (40) 844. treatment, (26) 648; (29) 48.
Cerambycidae— North American, classification and biology,	studies, (34) 845; (40) 344.
(33) 360.	treatment, (26) 648; (29) 48.
of California, (40) 861. Cerambycobius—	carbonacea n.sp. on yam, (39) 248. cearse, notes, (28) 241. cerasella, notes, (27) 349. chrysanthemi n.sp., description, (27) 848. ctrullina on watermelons, (35) 749. coffecola, notes, (30) 751; (31) 646; (32) 645, 749;
Cerambycoolus— cyaniceps, notes, (26) 861. townsendi n.sp., description, (30) 59. Cerambyx heros, biology, (36) 257. Cerambyx heros, biology, (36) 257. Ceramica picta, notes, (40) 648. Ceraptroceroideus cinctipes n.g. and n.sp., description (33) 761	cerasella, notes, (27) 849.
townsendi n.sp., description, (30) 59.	chrysanthemi n.sp., description, (27) 848.
Cerambyx heros, biology, (36) 257.	coffeicola, notes, (30) 751; (31) 646; (32) 645, 749;
Ceramica picta, notes, (40) 648.	(90) 91.
Ceraptroceroideus cincupes n.g. and n.sp., descrip-	concors, description, (28) 548. corylin.sp., description, (37) 550.
tion, (35) 761. Ceratitis—	cucurbitae, notes, (37) 550.
African species, (29) 760.	epigaeina, notes, (26) 341.
capitata— breeding in bananas. (29) 54.	cucurbitae, notes, (37) 550. epigaeina, notes, (38) 341. fraxini, notes, (35) 454. fusca, description, (30) 452. fusca, treatment, (37) 756; (39) 553.
breeding in bananas, (29) 54. control by poisoned bait, (34) 360. control in Hawaii, (34) 758.	fusca, treatment, (37) 756; (39) 553.
	guizotiae n.sp., description, (35) 454. helvola medicaginis, notes, (28) 52.
development in lemons, (35) 259. in environs of Paris, (35) 259. in Hawaii, (38) 858; (40) 62. notes, (27) 359; (28) 62, 657; (29) 234, 257; (30) 361, 345; (34) 836; (37) 565. parasites of, (35) 760; (38) 659. remedies, (29) 656; (31) 757.	herrerana n.sp., description, (35) 353.
in environs of Paris, (35) 259.	heveae n.sp., notes, (37) 253. leaf spots in Indiana, (39) 52. longipes, studies, (38) 851.
notes (27) 359: (28) 62, 657: (29) 234, 257:	longines, studies, (38) 851.
(30) 361, 845; (34) 856; (37) 565.	iumbricoides n.sp., description, (35) 45.
parasites of. (35) 760; (38) 659.	medicaginis, dissemination, (36) 450.
studies, (32) 58, 655.	melonis, notes, (32) 641. melonis, studies, (35) 750. musae, notes, (36) 347; (38) 651.
trapping and poisoning, (40) 356.	musae, notes, (36) 347; (38) 651.
Spp. in Africa, (31) 455. Ceratocampidae, monograph, (32) 850.	n.spp., descriptions, (37) 748. n.vars., descriptions, (37) 749.
Ceratodon purpureus, direct assimilation of organic	nicotianae, notes, (30) 47. on celery, (39) 753.
carbon, (40) 325.	on celery, (39) 753.
Ceratodrilus thysanosomus n.g. and n.sp., description, (35) 254.	persicae, notes, (27) 850. personata—
Ceratomia—	Tactor (90) 247. (32) 741. (37) 349, 452, 551.
amyntor, life history, (32) 850.	studies, (22) 540; (34) 645. raelborskii, notes, (38) 348. sacchari, notes, (28) 345; (40) 51. sp. on grapes (36) 541.
catalpae, see Catalpa sphinx. Ceratonia siliqua, see Carob.	sacchari, notes, (29) 345; (40) 51.
Ceratophyllum demersum, culture for wild ducks,	sp. on grapes (36) 541.
(33) 251. Ceratophyllus—	sp. on jute, (36) 348. sp. on pistachio, (34) 843. spp., notes, (32) 749; (39) 453.
acutus, transmission of plague-like disease by,	spp., notes, (32) 749; (39) 453.
(26) 461.	spp. on pigeon peas, (34) 52.

Corcospora—Continued.	Cereal—Continued.
spp. on sugar cane, (38) 550; (40) 157.	smuts-continued.
theae, notes, (33) 545.	spore germinations of, (31) 642.
vaginae, notes, (26) 445; (29) 45; (30) 541; (36) 846;	treatment, (38) 648; (39) 248, 353. snow mold, studies, (29) 47, 244.
(40) 47.	snow mold, studies, (29) 47, 244.
vaginae, studies, (38) 851. vignae, notes, (35) 749.	stalk disease, investigations, (28) 445. station in California, (28) 98.
vignae, notes, (35) 749.	station in California, (28) 98.
vibility notes, (36) 647. zygophylli n.sp., description, (35) 844.	stem rot, notes, (31) 147. streak disease, treatment, (35) 149.
zygopnym n.sp., description, (55) 1044.	zapal or zakvat, studies, (29) 244.
Cercosporella—	Cereals—see also Barley, Oats, Wheat, etc.
epimedii n.sp., description, (35) 454. herpotrichoides, notes, (27) 747; (37) 248. lini n.sp., description, (35) 454.	analyses, (26) 45.
lini n sn description. (35) 454.	ancient classification, (31) 830.
Cercosporina ricinella, notes, (33) 545.	and cereal products, methods of analysis, (33)
Cereal—	258.
black stem rust, notes, (37) 552.	and leguminous plants, associative growth, (28)
cropping, relation to soil sanitation, (29) 516,820.	720.
crops, native, in Punjab, (40) 230.	area and production, 1907-1911, (26) 792.
diseases—see also specific hosts.	as affected by—
and pests, review, (36) 542. descriptions, (30) 351. in Italy, (38) 351.	parasitic fungi, (31) 541.
descriptions, (30) 351.	precipitation and temperature, (28) 41.
in Italy, (38) 351.	rain and temperature. (27) 15.
Russia, (34) 842. Saxony, (32) 749.	soil volume and available plant food, (31)
Saideny, (32) (48.	132. soils, (26) 814.
Switzerland, (37) 47. notes, (29) 242, 845; (31) 841; (39) 452; (40)	behavior toward fungi, (32) 426.
344, 747.	bread-making value, (32) 760.
reducing losses from, (39) 454.	breeding, (28) 633, 828.
review of literature, (30) 618.	breeding—
studies, (30) 846.	and improvement in Sweden, (39) 833.
treatment, (32) 545; (34) 541; (35) 46; (37) 247.	and improvement in Uruguay, (39) 835.
downy mildews, notes, (30) 845.	and improvement in Uruguay, (39) 835. experiments, (29) 226; (31) 830; (33) 331, 831.
downy mildews, notes, (30) 845. "drunk bread" disease, notes, (34) 842; (35) 453.	experiments, methods, (40) 232,
dry spot, relation to tertilizers, (29) 40.	for drought resistance, (28) 537.
dust as a feeding still. (30) 565.	for drought resistance, (28) 537. for rust resistance, (28) 537; (39) 550.
dust explosions, (36) 686. Field Station in California, (29) 99.	chiorophyli content, variations in, (32) 220.
Field Station in California, (29) 99.	cold resistance of, (30) 524. competition in, (27) 480.
fly, winter, control in Kief, (38) 257.	competition in, (27) 430.
foods—	consumption, 1902-1911, (40) 93.
analyses, (34) 661; (35) 558, 859.	cooked, analyses, (29) 660. culture, (30) 435; (37) 96.
dietary deficiencies, (38) 869.	Culture, (30) 430; (37) 90.
analyses, (34) 661; (35) 558, 859. dietary deficiencies, (38) 869. examination, (30) 664; (31) 760. history, (36) 560.	culture— after soil sterilization, (28) 537.
history, (36) 560.	continuous, (27) 734; (31) 226.
nutritive value and cost, (38) 663.	experiments, (26) 131; (27) 438; (29) 226, 331.
preparation, (38) 365.	425: (31) 732, 733: (32) 528: (33) 227, 633:
nutritive value and cost, (38) 663. preparation, (38) 365. use in the diet, (37) 668. foot disease, investigations, (30) 747. footrot or stalk disease, notes, (30) 648; (32) 145,	experiments, (26) 131; (27) 488; (29) 226, 331, 425; (31) 732, 733; (32) 528; (33) 227, 633; (34) 736; (37) 733; (38) 433, 527; (39) 128;
foot not or stelly disease notes (20) 842. (20) 145	(40) 624
545 641 842. (22) 445	in Argentina, (40) 625. Hawaii, (32) 730. India, (29) 738. Novo-Russia, (26) 535. Texas Panhandle, (20) 428; (35) 440. Washington, Oregon, and Idaho, (38)
545, 641, 843; (33) 445. foot rot or stalk disease, studies, (31) 542; (33) 51.	Hawaii, (32) 730.
hybrids, unusual. (30) 525.	India, (29) 736.
hybrids, unusual, (30) 525. leaf beetle, life history and control, (34) 857.	Novo-Russia, (26) 535.
leaf spot, notes, (29) 46. leaf spot, studies, (28) 545. market of Rotterdam, (39) 797. mildew in France, (34) 243; (35) 149.	Texas Pannandle, (29) 428; (35) 440.
leaf spot, studies, (28) 545.	washington, Oregon, and Idano, (38)
market of Rotterdam, (39) 797.	021.
mildew in France, (34) 243; (35) 149.	Wyoming, (36) 33.
midew, motes, (30) 340, (40) 344.	under dry farming, (33) 632; (39) 736. under irrigation, (28) 830. cytological studies, (26) 825. detection of ustilaginous spores in, (26) 408.
of ancient America, (39) 532.	cytological studies. (26) 325.
pathologists, conference, (39) 549.	detection of ustilaginous spores in. (26) 408.
products-	deferingation of—
ash analyses, (29) 861.	moisture in, (27) 713. smut spores in, (36) 146.
determination of acidity, (36) 299.	smut spores in, (36) 146.
insects affecting, (32) 246.	Specific gravity, (28) 22.
methods of analysis, (29) 799.	digestibility, (33) 361. disease resistance in, (36) 145.
middlemen's function in, (33) 787.	disease resistance in, (36) 145.
proteins, effect on growth, (33) 465.	effect of root development on tillering power,
rust fungi, teleutospore formation, (34) 745. rust in Denmark, (36) 247.	(27) 231.
rust, treatment, (26) 846.	embryology, (30) 633. fermentation in, (29) 269.
rusts—	fortilizar experiments (96) 221 495 722 (98) 998
control, (39) 52.	fertilizer experiments, (26) 331, 425, 733; (28) 828; (30) 229, 626; (31) 29, 133, 226, 328, 733; (32) 37,
culture experiments, (30) 846.	622, 630; (37) 323, 521, 827; (38) 433, 527; (40)
germination of uredospores, (27) 149.	624.
in Canada, (34) 51.	fertilizers for, (32) 827.
in South America, (30) 542.	fertilizing value, (31) 320.
notes, (32) 340.	IFOSE IDJULY, (31) 541, 542; (38) 148.
overwintering and distribution in South	Fusarium diseases of, (26) 446.
A.Merica, (88) 145.	germination in light and darkness, (30) 633.
propagation, (31) 842; (33) 145. resistance to, (40) 745. specialization, (37) 149.	green manuring experiments, (40) 24.
specialization, (37) 149.	ground, handbook, (29) 564.
stridies. (31) 146: (33) 245, 345, 548: (36) 542:	growth—
structies, (31) 146; (33) 245, 345, 546; (36) 542; (40) 249, 641.	as affected by meteorology, (29) 510.
wintering over, (33) 445, 546.	in association with weeds, (38) 734.
seedlings as affected by narcotics, (31) 730.	studies, methods, (38) 526. hail injuries to, (33) 127.
smuts-	harrowing experiments, (26) 331.
in Argentina, (38) 148.	heredity of albinism in, (31) 329.
life history and treatment, (28) 445.	history of, (31) 131.
notes, (32) 340; (40) 845.	hybridization experiments, (26) 733; (34) 228.
· · · · · · · · · · · · · · · · · · ·	

Cereals—Continued.	Cerebrospinal—Continued.
identification, (36) 541. improvement, (32) 333.	meningitis—continued. outbreak in Kansas and Nebraska, (29) 587.
improvement—	studies, (28) 378, 886.
at Svalof, (40) 823. by selection, (29) 532. in Italy, (37) 827. in the dict, (40) 762.	Cerebrum, effect on metabolism of matter and
by selection, (29) 532.	energy, (30) 466.
in the diet. (40) 762.	Ceresa— basalis, notes, (32), 651
insects affecting, (27) 452; (30) 53; (33) 746; (34) 651; (37) 156, 895; (38) 459, 556. international statistics, (33) 396.	basalis, notes, (32) 651. bubalus, see Buffalo tree hopper.
651; (37) 156, 895; (38) 459, 556.	militaris n.sp., description, (38) 858. sp., notes, (32) 651. spp. north of Mexico, (38) 858.
introduction into Philippines, (27) 537.	sp., notes, (32) 651.
irrigation, (29) 736.	spp. dorin of Mexico, (38) 608. spp. ovipositing in apple, (38) 156.
irrigation experiments, (28) 828; (29) 226; (38)	Cereus—
631; (40) 331.	flowers, self-warming in, (36) 226.
laboratory manual, (30) 696; (34) 598. light v. heavy kernels, (28) 536.	forbesii as a host of mistletoe, (29) 352. Cerin, notes, (31) 312.
liming experiments, (30) 724.	Cerium—
lodging in relation to vascular bundles, (33)	effect on development of seedlings, (31) 325.
332. lodging, prevention, (30) 136.	offect on permeability, (34) 34. effect on Spirogyra, (38) 27.
maltase content, (31) 204.	oxid, effect on germination of seeds, (29) 528.
"May-sick" disease of, (30) 399.	salts, effect on wheat, (31) 218.
mechanical winter covering, (37) 48.	Cerodonta—
microscopy of, (32) 715. of Chile, (38) 336.	dorsalis, studies, (36) 256; (40) 169. femoralis, notes, (37) 255.
of India, maiting capacity, (40) 808.	femoralis, studies, (37) 160.
paper carton for protection from insect attack,	Ceromasia sphenophori—
(30) 53.	introduction into Hawaii, (33) 256; (36) 257. life history and breeding, (32) 350.
phosphorus content, (26) 501. planting and harvesting dates, (26) 532.	Ceropales foxii n.sp., description, (36) 551.
prices in Bern, (32) 162.	Ceroplastes—
prices in France for 1919, (40) 390. production in—	cirripediformis, notes, (28) 453.
arid districts. (40) 528.	grandis in Argentina, (40) 165. janeirensis, notes, (30) 657.
Nebraska, (40) 194. 1913, (31) 392. Spain, (30) 791; (35) 393; (37) 827; (40) 434, 594, 793;	Ceroplastodes deani n.sp., description, (39) 255.
1913, (31) 392.	Cerotoma-
594, 793 -	ruficornis, studies, (37) 256. trifurcata, see Bean leaf-beetle.
purchasing and use, (38) 867.	Cerotrioza n.g., erection, (40) 262.
pure line breeding, (35) 831.	Cervus-
pure types, variation in, (30) 334. purin content, (40) 205.	elaphus, notes, (27) 371. spp., breeding experiments, (29) 171.
recipes, (37) 670.	Cesspool and septic tank combined, description,
resistance to diseases and insects, (26) 246.	(31) 190.
right- and left-handedness in, (30) 335. ripening under wire netting, (30) 633.	Cesspools, construction, (36) 892.
root development, (30) 633.	Cestode parasites, new, of fowls, (33) 775.
root development, (30) 633. root systems of, (31) 515, 830; (39) 230.	Cestodes— avian, new species, (34) 281.
secondary rootlets, (40) 32. seed, cleaning and grading, (30) 488.	avian, new species, (34) 281. avian, studies, (26) 561.
seed production, (31) 524.	in itirious to muskrats. (29) 484.
seeding experiments, (32) 36.	life history, (37) 163. of Australia, (32) 399. parasitic in birds, (31) 184. parasitic in equines, (27) 583.
selection experiments, (40) 330. selection, rod-row system, (40) 232. sensitiveness to fungicidal treatment, (29) 151. small v.large seed, (38) 229.	parasitic in birds, (31) 184.
sensitiveness to fungicidal treatment. (29) 151.	parasitic in equines, (27) 583.
small v. large seed, (38) 229.	DOLVTSCIBLE, DOLES, LAZI 301.
Show more anecung, (31) 343.	proteocephalid, monograph, (32) 853. reproduction, (39) 655. Ceuthophilus pacificus, notes, (27) 658.
spring-sown, culture experiments, (36) 830. spring-sown, varieties, (36) 830. stalk formation studies, (31) 227.	Ceuthophilus pacificus, notes, (27) 658.
stalk formation studies. (31) 227.	Ceutnospora punicae, notes, (37) 550.
statistical notes, (40) 625. statistics, international, (34) 290.	Ceutorhynchus— niarginatus, notes, (30) 555; (37) 568.
statistics, international, (34) 290.	pleurostigma (sulcicollis), notes, (35) 467.
stooling in, (30) 235. stored, insects injuring, (39) 463.	portulação n.sp., description, (35) 365.
stored, insects injuring, (39) 463. straw blight affecting, (27) 747.	Chaeretymma minuta n.sp., description, (38) 565.
studies, (40) 232, 233.	Chaetoceratostoma hispidum n.g. and n.sp., notes,
temporary roots in, (35) 135. textbook, (32) 659.	(40) 160.
use in the dietary, (29) 862.	Chaetocnema-
use in the dietary, (29) 862. varietal differences in, (31) 227. varietals, (26) 733; (27) 438; (28) 828; (29) 138, 226, 426, 427; (30) 229, 829; (31) 133, 732, 829; (32) 37, 132, 636; (33) 831; (34) 736; (37) 733; (38) 433.	ectypa, notes, (33) 746. ectypa, studies, (36) 658.
Varieties, (20) 733; (27) 438; (28) 828; (29) 138, 220, 426 427: (30) 990 820: (31) 133 732 829: (32)	quadricollis, studies, (40) 754.
37, 132, 630; (33) 831; (34) 736; (37) 733; (38) 433.	spp., notes, (26) 856.
varieties, new Swedish, (39) 833. variety tests, (39) 128, 334, 337, 799; (40) 330.	Chaetodiplodia— enthuri nen description (37) 550
variety tests, (39) 128, 334, 337, 799; (40) 330.	anthurii n.sp., description, (37) 550. nonvalidity of genus, (34) 242.
water content as affected by cooking, (26) 462.	Chaetogaedia monticola, notes, (27) 656.
water requirements, (31) 729; (38) 227.	Chaetomidium barbatum n.sp., description, (34)
water requirements, (31) 729; (38) 227. winter, rest period in, (30) 732.	226. Chaetomium spirochaete on sweet peas, (32) 446.
wintering of, (26) 733. winterkilling, (38) 415; (39) 430, 441; (40) 329.	Chaetophorus spp., notes, (28) 655.
yields, analysis, (28) 536.	Chaetopsis aenea, see Onion fly, barred-winged.
Cerebrospinal—	Chaetosphaeria eximia n.sp., notes, (37) 148. Chaetothyrium colchicum n.sp., description, (36)
fever organism, agglutination test, (40) 82.	245.
meningitis— Aprizontic in horses, (28) 784.	Chaff scale, notes, (28) 854.
• epizootic, in horses, (28) 784. in horses, (26) 786; (27) 684; (28) 184, 783; (29)	Chafing-dish dainties, salads, and sandwiches, (32) 560.
304, 499, 587; (30) 285, 685.	Chagas disease in Argentina, studies, (34) 580.
52831—26†——10	

Chaitophorus—	Charbon, see Anthrax.
aceris, biology and anatomy, (37) 55. delicata n.sp., description, (29) 654.	Charcoal—
ianonicus n.sp., description, (29) 004.	action on sugar solutions, (36) 807. as dressing for forest seed beds, (32) 748. as filler for feeding stuffs, (30) 672. as medium for plant growth, (33) 540. burning in Japan, (35) 347. decolorizing efficiency, (35) 612.
japonicus n.sp., description, (40) 165. maculatus, studies, (32) 247. negundinis, see Box elder aphid.	as filler for feeding stuffs, (30) 672.
negundinis, see Box elder aphid.	as medium for plant growth, (33) 540.
spp., dimorphs, (40) 165. Chalaropsis thielavioides n.g. and n.sp., description,	decolorizing efficiency, (35) 612.
(39) 53.	Chard—
Chalastogastra, classification, (26) 863.	fertilizer experiments, (26) 631.
Chalcid— flies—	varieties, (26) 631. Charips xanthopsis, destructive to citrus plant lice,
in alfalfa seed, (32) 454.	(26) 755.
in alfalfa seed, (32) 454. new, of Australia, (37) 560; (38) 768. new, of California, (37) 360, 467. new, of Maryland, (37) 766.	Charitopodinus n.g., erection, (40) 266.
new, of Camornia, (37) 300, 407.	Charlock—see Mustard, wild. oil, chemistry and use of, (35) 412.
Hew. of North America. (38) 303.	Chatopsis aenea, notes, (29) 454.
of North America, (37) 162. West Indian and North American, (39) 869.	Chauliognathus pennsylvanicus, fungus diseases
parasites, immunity to hydrocyanic gas, (38)	of, (26) 252. Chayote—
460.	culture experiments, (30) 632.
Chalcididae—	culture in Louisiana, (29) 534.
of Australia, (39) 154. of wild fig in India, Ceylon, and Java, (38) 565.	diseases, notes, (37) 755. notes, (29) 461; (30) 532; (34) 835.
Chalcidids—	Cheese—
injurious to forest tree seeds, (28) 657.	acid rennet bacteria of, (26) 881.
injurious to grain crops in Russia, (33) 563. new, from Maryland, (36) 556.	acidity, (37) 373. adulteration and misbranding, (28) 776.
Chalcidoidea—	American, in England, (35) 379. analyses, (26) 80, 171, 479; (29) 59, 376, 863; (30)
bred from Glossina morsitans in Northern Rhodesia, (35) 263.	analyses, (26) 80, 171, 479; (29) 59, 376, 863; (30) 208; (35) 558; (38) 781.
new, of West Coast of Africa, (37) 667.	as affected by—
notes, (26) 152.	alkali water, (27) 283.
of Australia, (28) 563. phoresy in, (40) 459.	
Chaicis—	salt, (28) 278. bacterial flora, (27) 284. "Bankrote," red coloring in, (29) 376.
abie sae, notes, (40) 760.	"Bankrote," red coloring in, (29) 376.
amenocles from Glossina, (39) 566. calliphorae, description, (36) 360.	bibliography, (31) 176. blue-veined or Dorset "Vinny", making, (33)
callibhorae, notes, (38) 466.	578.
coloradensis, parasitic on locusts, (32) 60.	box, description, (36) 874. brands, State and National, (40) 476.
compsilurae n.sp., description, (29) 562. hammari n.sp., description, (34) 66.	Brindza, bacteriology of, (33) 277.
obscurata, notes, (26) 758.	brine salting, (30) 275.
ovata, parasitic on alfalfa caterpillar, (32) 58. pandora n.sp., description, (31) 459.	brine-soluble compound in, (26) 212; (29) 805. Brinsen, manufacture, (27) 679.
pomonae n sp., description, (28) 162. sp., notes, (28) 151.	Bulgarian and Kaschkawal, description, (37)
sp., notes, (26) 151.	273. Bulgarian manufacture and composition (40)
thracis, parasitic on banana leaf roller, (26) 857. Chalcodermus aeneus, notes, (37) 659.	Bulgarian, manufacture and composition, (40)
Chalcodermus aeneus, notes, (37) 659. Chalcophora mariana, notes, (27) 863.	buttermilk, manufacture, (27) 74; (31) 874; (33)
Chalepus— dorsalis, notes, (29) 353; (30) 657; (36) 257.	382. Caerphilly—
dorsalis, notes, (29) 353; (30) 657; (36) 257. rubra, notes, (40) 357. spp., notes, (28) 157; (35) 356. Chalicodoma spp., treatise, (32) 758. Chalioides junodi, notes, (29) 758.	manufacture, (30) 77.
spp., notes, (28) 157; (35) 356.	manufacture, (30) 77. manufacture and quality, (29) 676. manufacture in Ireland, (26) 372.
Chalioides junodi, notes, (29) 758.	Tamembert—
	bacterial studies, (35) 177.
as neutralizer for sour milk bacteria, (29) 877. deposits in Yonne, France, (27) 422. effect on soil fertility, (32) 399; (34) 221. fertilizing value and use, (40) 322.	control in France, (37) 176. keeping, (27) 777. manufacture, (30) 378; (32) 176.
effect on soil fertility, (32) 399; (34) 221.	manufacture, (30) 378; (32) 176.
ground, for grassland, (40) 824.	Cheddar—
use on clay soils, (36) 519.	analyses. (40) 865. bacteria in, (31) 476.
Chalogynus osborni n.sp., studies, (40) 265.	changes in during ripening, (37) 373.
Chamaebatia foliolosa, effect on forest reproduc- tion, (40) 842.	cold storage, (27) 377.
Chamaecrista diphylla, culture, (34) 736.	chemistry of, (28) 114. cold storage, (27) 377. factors affecting texture, (31) 570.
Chamaecyparis— nootkatensis, biennial fructification, (29) 543.	factors affecting yield and moisture content.
obtusa, fertilizer experiments, (38) 624.	(30) 877. flavor of, (31) 476.
obtusa, fertilizer experiments, (38) 624. obtusa wood, essential oil of, (34) 802. Chamber of Horticulture for Great Britain, (40)	irilly of sweet havor in, (31) 79.
500.	manufacture, (29) 475; (40) 880. manufacture from pasteurized milk, (27) 74;
Chamomile, dissemination by farm animals, (26)	(28) 581; (29) 475; (31) 874; (33) 175.
839. Champagne—	prevention of polyneuritis by, (31) 762.
composition in relation to effervescence, (35)	ripening studies, (27) 879; (28) 78, 879. shrinkage in, (32) 270.
647.	Cheshire, manufacture, (26) 778; (31) 375. chromogenic microorganisms of, (36) 477.
effervescence of, (36) 113. Changa—	coating, (27) 377; (31) 375.
notes, (31) 452; (36) 355.	color, feeding to cows, (38) 680.
parasites of, (29) 653. remedies, (33) 452. studies, (38) 762.	color, feeding to cows, (38) 680. coloring experiments, (27) 777.
studies, (38) 762.	comparison of types, (29) 564. composition, (26) 880; (28) 374.
Cnaparral—	composition and characteristics, (34) 380.
biologic and economic aspects, (40) 842.	composition and quality, (36) 663.
eradication by goats, (29) 543. Charadrius dominicus fulvus, migration, (27) 355.	control in Holland, (31) 376. cost of making, (26) 82; (27) 377.
Charaeas graminis, notes, (38) 361.	cottage, (39) 267.

Cheese—Continued.	Cheese-Continued.
cottage— as a food, (37) 669.	Grana— manufacture, (30) 275; (33) 876; (34) 572.
as a food, (37) 669. making, (37) 686; (38) 78, 178. metallic flavor in, (35) 277.	or Parmesan, manufacture, (28) 583; (29) 777.
recipes, (39) 267.	or Parmesan, pure cultures for, (27) 283. warm-chamber method of making, (29) 880.
Coulommier, manufacture, (27) 375; (29) 777; (33) 765.	gray, manufacture in the Tyrol, (27) 377.
cow pot, analyses, (28) 278.	green color in, (28) 583. green mold, flavor of, (26) 775.
croam-	green mold, flavor of, (26) 775. Harz, dark coloration in, (26) 675.
fat content, (26) 778. manufacture, (27) 375.	Herrgard, notes, (35) 379, 483. Holland, digestibility, (28) 258.
manufacture and analyses, (32) 176.	homemade, manufacture, (29) 675.
curd, iron content, (27) 811. curd knife, description, (31) 875.	homemade, manufacture, (29) 675. Hungarian, analyses, (26) 372. imports into Peru, (27) 469.
Danish, fat content, (33) 81.	imports into United Kingdom, (26) 479. industry—
decomposition by enzyms of rind flora, (32) 175. descriptions and requirements, (35) 110.	in Canada, (38) 294. Ireland, (26) 372.
determination of—	reland, (26) 372. Netherlands, (28) 178.
acidity, (31) 613. fat content, (26) 276; (27) 312. proteolysis in, (30) 415.	Netherlands, (28) 178. New Zealand, (38) 281 Siberia, (37) 778. United Kingdom, (28) 178.
proteolysis in, (30) 415. total solids, (32) 414.	United Kingdom. (28) 178.
determining yield of, (26) 478.	United Kintes, (30) 777, 791. Tunited Kintes, (30) 777, 791. refrigeration in, (27), 377. international trade in, (27) 574. Italian, fat content, (33) 81. Jack, manufacture, (27) 377; (40) 576. judging by score cards, (27) 74. Kbnichberg, analyses (34) 572.
digestibility as compared with beef, (26) 761. diminution of fats in during ripening, (31) 475.	international trade in. (27) 574.
discoloration, studies, (26) 479. dishes, recipes, (31) 656.	Italian, fat content, (33) 81.
dishes, recipes, (31) 656. Dorset-Blue, manufacture and quality, (29) 676.	judging by score cards, (27) 74.
Edam—	Konigsberg, analyses, (34) 572. Liptauer—
composition and control, (34) 273. "cracking" of, (36) 673; (37) 176.	microflora of, (32) 473.
factors affecting water content of curd, (30)	or Brinsen, analyses, (28) 278. ripening, (30) 275.
179.	making, (26) 479; (33) 175; (34) 573; (36) 574.
faulty "Knijpers" in, (30) 179. investigations, (27) 678.	making— at Lodi Experiment Station, (29) 777.
preparation, (37) 373.	Bacillus bulgaricus in, (31) 772.
Emmental— bacteria in, (31) 478, 772.	experiments, (27) 779; (30) 76; (31) 675, 875. (34) 875.
composition, (28) 278.	experiments in Quebec, (36) 574.
discoloration of, (20) 479. formation of eyes in, (37) 875.	ferment serum for, (29) 280. guide. (28) 475.
gases of, (28) 77.	guide, (28) 475. high v. low testing milk for, (34) 473.
gassy fermentations in, (31) 477, 772. manufacture, (26) 372; (28) 475, 583; (30) 778;	homogenized croam for, (40) 576, 865. in northern Europe, (30) 177.
(32) 870.	Norway, (35) 379. Philippines, (39) 785. South America, (34) 572. South Australia, (29) 280. southern mountain districts, (39) 486 Sweden, (26) 477. the home, (30) 275; (38) 580. Vermont, (36) 877. lactic ferment cultures in, (31) 375.
starters for, (32) 776. estimating yield, (28) 177. examination, (30) 664.	South America, (34) 572.
examination, (30) 664. experiment station at Lodi, report, (28) 374.	South Australia, (29) 280.
exports—	Sweden, (26) 477.
and imports of Canada, (30) 574.	the home, (30) 275; (38) 580. Vermont, (36) 877.
from Canada, (29) 673; (39) 283. from Italy, (30) 575.	lactic ferment cultures in, (31) 375.
from Italy, (30) 575. eye formation in, (28) 77.	notes, (28) 371, 374; (32) 175; (35) 483; (36) 176. on the farm, (35) 573; (37) 778; (40) 675, 879. selected ferments in, (29) 777; (33) 277, 577.
factories— construction, (32) 889.	selected ferments in, (29) 777; (33) 277, 577.
cooperative, in Minnesota, (38) 178.	starters for, (28) 374. starters, propagation, (28) 299.
construction, (32) 889. cooperative, in Minnesota, (38) 178. cooperative, in Wisconsin, (28) 895; (38) 293. cooperative, organization, (32) 893. in Minnesota, (37) 777. in Norway, (29) 897. in Wisconsin, (30) 679. inspection in Virginia, (30) 74. Instruction and inspection, (36) 476.	treatise, (40) 283. use of pathological milk, (26) 676.
in Minnesota, (37) 777.	use of pepsin in, (37) 175, 875; (39) 884.
in Wisconsin, (30) 679.	with definite fat content, (36) 176. manufacturing and marketing association
inspection in Virginia, (30) 74. Instruction and inspection, (36) 476.	with definite fat content, (38) 176. manufacturing and marketing association cooperative, (37) 594. marketing, (29) 675; (31) 893; (36) 378. marketing by parcel post, (39) 182. marketing cooperatively, (26) 92. markets and prices, (33) 383. marking regulations in Italy, (27) 179. Marolle, analyses, (28) 778.
law in Ohio. (33) 662.	marketing by parcel post, (39) 182.
payment for milk at, (28) 776; (30) 476. plans, (27) 575; (31) 675. fat content standard for, (30) 476.	marketing cooperatively, (26) 92.
fat content standard for, (30) 476.	markets and prices, (35) 365. marking regulations in Italy, (27) 179.
fat tester for, (33) 314. Finnish egg, manufacture, (28) 258.	Marcille, analyses, (26) 773. mass, consistency, (27) 678, 679. methods of analysis, (28) 612; (29) 810; (31) 114, 811; (32) 313; (33) 208, 258; (35) 110. milk, pasteurization, (29) 376. mites, life history and economics, (38) 460.
Fontina, manufacture, (28) 374.	methods of analysis, (28) 612; (29) 810; (31) 114,
food value, (37) 669. fresh cream, making, (30) 275.	811; (32) 313; (33) 208, 258; (35) 110, milk pasteurization, (29) 376.
from buttermilk, (40) 379.	mites, life history and economics, (38) 460.
carabao's milk, composition, (31) 374. milk mixtures, fat and casein content,	mites, studies, (39) 664.
(33) 475. mixed and unmixed milks, (31) 475.	moisture content, law regulating, (34) 273. mold growth on, (36) 176. mold-ripened, salt factor in, (32) 176.
pasteurized milk, (28) 675; (29) 674; (33) 382; (37) 576; (39) 282, 582.	
382; (37) 576; (39) 282, 582. sheep and buffalo milk, analyses, (27) 575.	Naitofu, manufacture and composition, (34) 574.
gas formation in. (36) 673.	Neufchâtel— and cream, (39) 570,581; (40) 79.
Gervais, analyses, (26) 578. Gervais, making, (39) 582.	manufacture, (40) 675. manufacture and analyses, (32) 175.
Gloucester, manufacture and quality, (29) 676.	rinening (32) 473.
Gouda, analyses, (30) 575. Gouda, composition and control, (34) 273.	North Wills, manufacture and quality, (29) 676. Norwegian "old," manufacture, (26) 371.

Chassa-Continued	Chases—Continued
Cheese—Continued. nutritive and fuel value, (29) 564.	Oheese—Continued. vegetable, notes, (26) 809.
of Forez and D'Amhert, (27) 75.	Wensleydale, notes, (30) 179.
of Saint-Marcellin, characteristics, (26) 82.	Wensleydale, notes, (30) 179. whey, paraffining, (34) 474. white Gorgonzola, notes, (27) 679.
of southern Italy, descriptions, (27) 475. overripe, nutritive value, (29) 59.	white Gorgonzola, notes, (27) 679. whole milk, composition, (31) 874.
parallining, (26) 172; (34) 574.	whole milk, standards, (29) 777.
Parmesan and Lodi, comparison, (28) 278.	yield as affected by casem, (27) 779.
Parmigiano, manufacture, (34) 474.	Chelloneuromyia javensis n.sp., description, (37)
phosphorus content, (27) 461. physical and chemical constants, (28) 372.	59. Cheiloneurus—
poisoning, studies, (35) 556.	albicornis, description, (36) 259.
Portuguese, analyses, (20) 173.	javanus n.sp., description, (28) 63. Cheilospirura hamulosa, occurrence in United
preservatives, tests, (27) 777.	Cheilospirura hamulosa, occurrence in United
production— in California, (28) 371.	States, (26) 890.
in Italy, (97) 179	Cheimatohia brumata— notes, (33) 656; (36) 751; (40) 571.
statistics, (26) 477.	remedies, (31) 548; (32) 850.
proteolysis in, (27) 501. Raffine, of Island of Orleans, (26) 276.	Cheletiella parasitivoray on cats, (37) 584.
recipes, (29) 564.	Chelidonium-
reindeer, analyses, (30) 275, 476.	majus, carotinoid content, (31) 803.
reindeer, making, (32) 577.	seeds, lipase of, (32) 19. Chelinidea spp., notes, (28) 451.
relation to microorganisms, (26) 372. rind flora, effect on inner portion of the cheese,	Chelonia caja, notes, (30) 855.
(32) 776.	Chelonus—
ripening, (34) 573.	blackburni, notes, (31) 249.
ripening—	blackburni, parasitic on beet webworm, (26)
as affected by fat content, (36) 673; (37) 175.	250. caradrinae n.sp., description, (33) 659.
by electricity, (29) 675. chemistry of, (32) 473, 503. experiments, (27) 779; (30) 77.	carpecapsae, notes, (39) 361.
experiments, (27) 779; (30) 77.	phthorimaeae n.sp., description, (38) 165.
lactic acid bacteria in, (34) 76. microorganisms in, (31) 477; (37) 503.	shoshoneanorum, notes, (36) 655.
notes. (29) 59.	texanus, biology, (28) 859. texanus, parasitism, (31) 458.
notes, (29) 59. studies, (27) 75; (28) 114; (29) 9; (31) 475.	Chemical—
Tobbiola, bactellar mora, (00) 111.	analysis, treatise, (27) 609; (29) 203, 307, 506;
Roquefort— bacterial studies, (35) 177; (39) 385.	(30) 309; (31) 806; (34) 711; (35) 11; (37) 310,
hiology (32) 178	614, 802.
cold storage, (27) 377.	apparatus, new. description, (26) 26. calculating chart. new. (38) 204.
composition of fat, (32) 77.	calculating chart, new, (38) 204. calculations, textbook, (36) 411. cell functions, method for study, (26) 21.
flavor of, (31) 107. gases in, (30) 312.	cell functions, method for study, (26) 21.
like, from cows' milk, (32) 177.	constitution and physiological action, treatise, (36) 411.
tyrosin crystals in, (26) 313.	constitution, relation to color, (40) 505.
Roumanian sheep, manufacture and analyses, (26) 675.	constitution, relation to color, (40) 505. directory of United States, (37) 501.
Russian, analyses, (26) 778.	equilibrium as affected by motion, (28) 168.
Russian Schweitzer, composition, (28) 278.	French, textbook, (39) 418. German, introduction to, (40) 709.
schools, cooperative, in England, (40) 896. score cards for, (26) 779.	glassware, tests. (38) 300.
sheep, ripening, (30) 679.	industries in Belgium, Netherlands, Norway,
sheep's milk, chemical and physical constants,	and Sweden, (30) 127. industry. electrolysis in, (40) 109.
(33) 505.	laboratory at Goteborg, Sweden, report, (31)
shrinkage in, (29) 777. shrinkage tests, (35) 471.	509.
skim milk, manufacture, (30) 878; (37) 576.	mixing, stirring, and kneading, treatise, (27) 14. pathology, treatise, (32) 78; (39) 79.
skipper, bionomics and structure, (31) 552.	physical tables, book, (29) 107.
Slipcote, manufacture, (26) 52.	station at Almarp, report. (29) 119.
soft, cold storage, (10) 777. soft, making, (28) 371; (30) 575; (34) 181; (38) 78.	studies on physiology and pathology, (40) 201.
soft, ripening experiments, (27) 777.	technical methods of analysis, treatise, (27) 205 technology, treatise, (27) 14; (29) 413.
soy bean, analyses, (28) 166.	Chemicals—
standards, German, (27) 579. statistics in United States, (28) 390; (33) 894.	effect on plants, (30) 343; (32) 538.
Stilton—	effect on starch grains, (29) 409. inspection in Georgia, (26) 624.
and Wensleydale, notes, (31) 676.	used in household, hazards from, (38) 508.
manufacture, (30) 679. microflora of, (28) 879.	Van Nostraud's annual on, (38) 810.
yellow discoloration, (27) 474, 475.	Chemistry—
streptococci, studies, (39) 385.	agricultural—
Swedish— Emmental, manufacture, (33) 81.	at international congress of applied chemistry, (27) 499.
Emmental, studies, (35) 483.	bibliography, (33) 801.
Estate, manufacture, (33) 81.	bibliography, (33) 801. contributions of H. Ritthausen, (29) 501.
varieties, (33) 275. Swiss—	
as affected by silage feeding, (36) 876.	progress in, (27) 14: (28) 616: (29) 408. 795:
Emmental, fat content, (33) 81.	(30) 212, 309; (33) 801; (34) 311; (35) 311.
exports in 1910, (27) 76.	notes, (27) 406; (32) 501. progress in. (27) 14; (28) 616; (29) 408, 795; (30) 212, 309; (33) 801; (34) 311; (35) 311. review of investigations, (33) 512. review of literature, (26) 338. solubility, determined for in. (27) 609
gases of, (26) 775. imported v. domestic, (36) 876.	review of intersture, (26) 338, solubility determinations in 727) 600
ripening, (34) 574.	textbook, (30) 10, 309; (35) 501.
ripening, (34) 574. testing, (29) 876. testing, (29) 876.	treatise, (27) 109; (32) 501.
	analytical, treatise, (29) 506; (32) 501.
tubercle bacilli in. (28) 278.	applied analytical, treatise. (40) 10.
Touareg, analyses, (26) 479. tubercle bacilli in, (28) 278. uses in the diet, (27) 63. varieties, (27) 75; (38) 781.	review of interactic, (20) 308. solubility determinations in, (27) 609. textbook. (30) 10, 309; (35) 501. treatise, (27) 109; (32) 501. analytical, treatise, (29) 506; (32) 501. animal, progress in, (28) 777; (34) 311. applied analytical, treatise, (40) 10. applied, notes, (33) 878. bibliography, (27) 14; (31) 196; (36) 600.
varieties, (27) 75; (38) 781.	bibliography, (27) 14; (31) 196; (36) 600.

Chemistry—Continued.	herimoya—Continued.
colloid—	propagation, (27) 537.
discussion (98) 607	propagation by inarching, (31) 441.
application to agriculture, (29) 408. discussion. (28) 607. handbook. (34) 801; (40) 408.	abietis, notes, (28) 353.
	attacking fir trees, (38) 158.
in soils, geology, and mineralogy, (30) 513. review of literature, (26) 307. textbook, (27) 107; (28) 407. treatise, (35) 8; (38) 309. dairy, treatise, (32) 501. dictionary, (29) 801. fermentation progress in 1911 (29) 107.	attacking fir trees, (38) 158. cooleyi, life history, (36) 456. cooleyi, notes, (26) 146; (33) 857; (37) 255.
review of literature, (26) 307.	cooleyl, notes, (26) 146; (33) 857; (37) 255.
treatise. (35) 8: (38) 309	injurious to conifers, (35) 56. obliteration of sexual reproduction in, (31) 59.
dairy, treatise, (32) 501.	of spriice and jarch. (40) 262
dictionary, (29) 801.	pleeae, notes, (26) 147; (35) 256 pinicorticis, notes, (28) 353; (30) 657. spp., biology, (34) 854. spp., notes, (26) 856; (27) 755.
fermentation, progress in 1911, (29) 107. household, textbook, (34) 458; (40) 493. household, treatise, (30) 63; (32) 558. in the service of man, (39) 8. industrial and manufacturing, treatise, (30)	pinicorticis, notes, (28) 353; (30) 657.
household treetise (30) 63: (39) 455.	Spp., Diology, (34) 854.
in the service of man. (39) 8.	studies, (34) 551.
industrial and manufacturing, treatise, (30)	hermesidae-
010: (59) 007.	injurious to British forests, (38) 561.
industrial, manual, (29) 107. inorganic, treatise, (29) 801; (40) 801. international catalogue, (27) 718; (33) 201; (34)	of Switzerland, (30) 854.
international catalogue, (27) 718; (33) 201; (34)	Thermesinae, virginoparous forms, (33) 748. Therries—
407; (37) 501.	addity, (32) 110; (37) 714. blooming period and fertility, (37) 745. breeding experiments, (36) 741; (37) 833. composition as affected by irrigation, (29) 236. cost of production, (29) 439. cover crops for, (34) 231.
metabolic, treatise, (35) 765.	blooming period and fertility, (37) 745.
of enzyms, treatise, (30) 409. fats. progress in 1911, (29) 108. plant and animal life, treatise, (30) 310.	breeding experiments, (36) 741; (37) 833.
plant and animal life, treatise, (30) 310	cost of production (90) 490
plant products, reatise. (31) 803; (37) 801.	cover crops for. (34) 231.
plant products, reatise, (31) 803; (37) 801. soils, progress in, (30) 212. soils, treatise, (30) 512.	Cross-Domination experiments, (38) 345.
soils, treatise, (30) 512.	crown gall affecting, (28) 447. culture, (27) 843; (32) 45; (33) 440; (36) 444; (39)
the cell, treatise, (27) 107. the farm and home, textbook, (36) 692.	Culture, (27) 843; (32) 45; (33) 440; (36) 444; (39) 447,
organic—	arr1f-rana
handbook, (32) 109.	experiments, (27) 343; (28) 436; (36) 443. in Alaska, (29) 743. Mesa County, Colorado, (37) 241. New Mexico, (40) 18. New York, (35) 836. Ontario, (33) 440. soutborn Texas, (32) 539. Utah, (30) 442; (33) 638. on a compare
industrial tractica (AD) ADS	in Alaska, (29) 743.
laboratory guide, (35) 8. textbook, (27) 806; (31) 309. treatise, (29) 801; (34) 801; (39) 607; (40) 709. papers on, (28) 676.	Mesa County, Colorado, (37) 241.
treatise. (29) 801: (34) 801: (39) 607: (40) 709.	New York, (35) 836.
papers on, (29) 676.	Ontario, (33) 440.
papers on from Rockeller Institute, (33) 218.	southern Texas, (32) 539.
physical, notes, (27) 406. physical, of vital phenomena, treatise, (39) 8.	Utan, (30) 442; (33) 638.
physicist, of vital phenomena, treatise, (39) 3.	
and pathological, treatise, (29) 267.	treatise, (36) 641. dried, microbiology, (34) 460. dried, preparation and use, (29) 462.
progress in, (34) 167; (35) 162; (40) 554.	dried, preparation and use, (29) 462.
physiological— and pathological, treatise, *(29) 267. progress in, (34) 167; (35) 162; (40) 554. review of literature, (28) 801. textbooks, (26) 201; (31) 361; (34) 563, 607 treatise, (35) 311; (40) 109, 308. progress in, (26) 405; (27) 107, 616; (29) 501; (35) 8, 201; (37) 166, 409; (40) 109, 801. relation to immunity research, (26) sanitary and applied, (39) 501. sanitary and applied, textbook, (30) 695. studies, (31) 277. technical, encyclopedia, (32) 308.	drying, (37) 509, 715. dusting experiments, (38) 546.
textbooks, (20) 201; (31) 301; (34) 303, 007 troatise (35) 311 (40) 109 308	full v spring planting (26) 232- (35) 837- (27) 743.
progress in. (26) 405: (27) 107, 616; (29) 501;	fall v. spring planting, (26) 238; (35) 837; (37) 743. fertile and self-sterile varieties, (40) 638.
(35) 8, 201; (37) 166, 409; (40) 109, 801.	frost injury, (37) 344; (38) 646. geographic distribution, (28) 742.
relation to immunity research, (26)	geographic distribution, (28) 742.
sanitary and applied, (39) 501.	growth as affected by meteorology, (29) 510. growing on grass land, (26) 639.
studies. (31) 277.	handling and shipping, (34) 534.
technical, encyclopedia, (32) 308.	handling and shipping, (34) 534. hardy Russian variety, (39) 346.
technical, treatise, (34) 801. textbook, (29) 792; (34) 599; (37) 108, 598, 801. toxicological, notes, (30) 314. treatise, (27) 205; (30) 63, 309, 310, 409, 512, 610, 707; (34) 407; (39) 8, 501, 607 writings of J. von Liebig, (32) 109. yearbook, (32) 801; (34) 494. Chemothermeutic substances action of, (35) 380.	host of Archips argyrospila, (27) 160. injury by wet soil, (38) 646.
toxicological notes (30) 314.	inoculation experiments with brown rot fungus,
treatise, (27) 205; (30) 63, 309, 310, 409, 512, 610,	(33) 247
707; (34) 407; (39) 8, 501, 607	insects affecting, (26) 553; (30) 753; (33) 440; (38) 460, 843; (39) 257, 259. localization of acids and sugars in, (36) 110.
writings of J. von Liebig, (32) 109.	460, 843; (39) 257, 259.
Chemotherapeutic substances, action of, (35) 380,	maraschino, labeling, (26) 762.
901	marketing by parcel post, (39) 543.
Chemotherapy— address on, (31) 177. notes, (26) 677. oxidotherapy, new method, (38) 585. Chemotropism in rootlets, (32) 128. Chemodium—	marketing by parcel post, (39) 543. Monilia affecting, (26) 849.
address on, (31) 177.	new, descriptions, (29) 838; (31) 337; (33) 238; (35) 37.
ovidotherapy, new method, (38) 585.	of Germany, (33) 838,
Chemotropism in rootlets, (32) 128.	of Japan, (35) 343, 645, 743.
	of New York, (33) 439.
album—	of Germany, (33) 838. of Japan, (35) 343, 645, 743. of New York, (33) 439. oriental peach moth injury, (40) 756.
analyses, (33) 70, 466; (34) 39. dissemination by farm animals, (26) 839. feeding value, (33) 70. amaranticola, culturo experiments, (30) 632.	pear slug affecting, (26) 863. pear thrips affecting, (27) 156; (40) 547.
feeding value, (33) 70.	picking and handling, (34) 437. pollination, (30) 443; (34) 233, 341; (36) 139; (40)
amaranticola, culturo experiments, (30) 632.	pollination, (30) 443; (34) 233, 341; (36) 139; (40)
antheiminicum, notes, (30) 140.	148, 638. preservation by freezing, (39) 344.
effect on defecation, (40) 477. nuttallise n.sp., description, (40) 728.	pruning, (30) 739; (32) 837; (40) 742.
oil as a cardiac stimulant, (36) 576.	nriining and training (37) 344
as a vermifuge, (38) 883.	respiration in gases, (29) 135, 538.
as an anthelmintic, (37) 578.	ringing experiments, (32) 636.
composition, (28) 506. effect on circulation and respiration, (34)	Scierotinia affecting, (28) 649. seedling, variation in, (30) 144.
476.	self-sterility in, (40) 148.
effect on intestinal contractibility, (34) 381	sod mulch v. clean culture, (33) 43.
studies, (39) 585 quinos, studies, (39) 610.	spray schedules, (39) 39, 140. spraying, (37) 744.
Cherimoya—	spraying, dust v. liquid, (37) 832.
asexual propagation, (32) 143.	spraying experiments, (27) 143, 439; (28) 436;
composition, (35) 663.	(30) 641. standard package for, (34) 438.
notes, (27) 242.	promittee of boomes to very fact ands

Cherries—Continued.	Cherry—Continued.
stock for, (40) 445. sunburn of, (29) 547.	leaves, free hydrocyanic acid in, (27) 635
sunburn of, (29) 547.	little leaf, studies, (32) 238. mildew, notes, (40) 53.
treatise, (32) 338.	midew, notes, (40) 55.
tree census in Washington, (40) 340. varieties, (32) 538; (33) 637; (36) 237; (37) 241.	moth, notes, (35) 56. orchard soils, chemical and biological notes,
varieties—	(33) 640.
for home orchard, (40) 341.	pits, oils of, (39) 8. powdery mildew, investigations, (33) 347. rot, treatment, (38) 541.
Indiana, (39) 447.	powdery mildew, investigations, (33) 347.
New Jorsey, (33) 439.	rot, treatment, (38) 541.
New Jorsey, (33) 439. Ohio, (37) 241.	sawiiy leaf-miner—
Pacine Northwest, (29) 745.	notes, (28) 158; (29) 252.
western Washington, (33) 44	studies, (34) 456, 657.
in Oklahoma, (27) 241. resistant to disease, (29) 246. variety for Oregon, (39) 241. winter injury, (32) 43; (40) 835. winter injury of buds, (39) 541.	shothole, notes, (35) 454. slug, see Eriocampoides limacina.
resistant to disease, (20) 240.	soft scald, studies, (39) 855.
winter injury (32) 43: (40) 835.	stocks, effect on scion, (28) 541.
winter injury of buds. (39) 541.	stones, hydrocyanic acid content, (27) 11.
Cherry-	"stop-back," relation to tarnished plant bug,
aphis—	(40) 455.
alternate hosts, (39) 464.	tent-maker or tortrix, notes, (26) 856.
notes, (32) 651; (40) 648.	tree trunks, introduction of solutions into, (36)
predatory enemy of, (30) 459.	740.
secondary host, (38) 58.	tree ugly nest tortricid, natural control, (40) 62.
studies, (39) 158, 360. bacterial—	twigs, composition, (26) 407. weovil, oviposition, (39) 363.
canker, notes, (34) 351.	wild, poisoning stock, (39) 386.
disease, notes, (28) 746.	wine, preparation, (27) 412.
disease, studies, (38) 551.	witches' brooms, studies, (37) 250,
black knot—	witches' brooms, studies, (37) 250. worm, ugly nest, notes, (34) 752; (36) 856.
description and treatment, (38) 853.	yellow leaf—
notes, (37) 555.	description and treatment, (30) 848.
studies, (32) 52.	studies, (33) 347.
blight, notés, (34) 648. blister disease, notes, (34) 543.	Chess seed, analyses, (29) 307.
brown book and an (20) 251	Chestnut—
brown bark spot on, (39) 251. brown rot—	bark disease—
notes (28) 511: (34) 241: (35) 351	control, (26) 146; (27) 252, 354. control in Massachusetts, (28) 643; (30) 743. dissemination by insects, (35) 756. history and distribution in Massachusetts,
notes, (28) 544; (34) 241; (35) 351. or gummosis, treatment, (38) 454.	dissemination by insects. (35) 756
spraying, (39) 652.	history and distribution in Massachusetts.
studies. (31) 749.	(26) 551.
spraying, (39) 552. spraying, (31) 749. treatment, (23) 244; (40) 154. by-products, utilization, (34) 808.	in British Columbia, (31) 845.
by-products, utilization, (34) 808.	Massachusetts, (36) 454. southern Indiana, (35) 551.
Coccomyces disease, wild nosts, (39) 456.	southern Indiana, (35) 551.
Coryneum rust, notes, (33) 549.	Vermont, (34) 848.
Cytospora disease, notes, (30) 352.	notes, (27) 252, 444, 653, 654; (28) 345; (30)
disease in Rhine Provinces, (26) 144. diseases—	Vermont, (34) 845. Notes, (27) 252, 444, 653, 654; (28) 345; (30) 746; (33) 448; (40) 58, 159, 349. on freshly fallon nuts, (34) 546. parentian oursed by (20) 751.
and insects, studies, (33) 440.	reversion coused by (30) 751
in Natherlands (35) 351.	reversion caused by, (30) 751. studies, (26) 345; (27) 548, 852; (29) 156, 451, 552, 553, 651, 753; (30) 349, 543, 653; (31) 751;
notes, (26) 844; (27) 45, 349; (28) 747; (33)	552, 553, 651, 753; (30) 349, 543, 653; (31) 751;
notes, (26) 844; (27) 45, 349; (28) 747; (33) 741; (38) 50.	(33) 551.
studies, (28) 241.	threatening Pacific States, (34) 354.
treatment, (33) 349.	treatment, (27) 853.
ermine moth, notes, (29) 252. ermine moth, studies, (28) 557.	bast miner, description, (32) 450.
ermine moth, studies, (28) 557.	black canker—
flowers, polymorphism in, (28) 540. fruit fly—	olack canker— in nurseries, (35) 655. in Italy, (32) 54. notes, (26) 551; (30) 52, 247. or ink disease, studies, (33) 854. studies, (20) 156, 351; (35) 250; (36) 752; (37) 657, 558; (39) 554; (40) 160. black rot, studies, (40) 851. blicht—
black hadiad see Rhagaletis fausta	notes (20) 551 · (20) 59 247
notes, (26) 146; (27) 53; (35) 356.	or ink disease studies (33) 854
studies. (29) 55; (33) 561.	studies. (20) 156, 351; (35) 250; (36) 752; (37)
black bodied, see Rhagoletis fausta. notes, (26) 146; (27) 53; (35) 356. studies, (29) 55; (33) 561. fruit maggots, remedies, (31) 757.	657, 658; (39) 554; (40) 160,
irul fot, hotes, (35) 434.	black rot, studies, (40) 851.
fruit sawfly—	blight—
life history and remedies, (28) 657.	ascospore expulsion in, (32) 346.
notes, (30) 857.	control by injection of chemicals, (34) 546.
gummosis, bacterial, (26) 144; (32) 644; (33) 299; (39) 151.	ascospore expulsion in, (32) 346. control by injection of chemicals, (34) 546. control in Massachusetts, (36) 543. control in Pennsylvania, (28) 153; (29) 753;
gummosis, studies, (27) 852; (28) 549; (29) 154;	(35) 51.
(30) 749; (32) 344.	control in West Virginia, (35) 154, 657.
Japanese, description, (31) 236.	description. (31) 153, 449.
juice, preparation, (33) 316.	dissemination, (29) 351, 753, 754; (33) 56.
kernels, hydrocyanic acid content, (28) 477.	dissemination, (29) 351, 753, 754; (33) 56. dissemination and growth, (33) 854.
lace-bug, new, (39) 763.	dissemination by birds, (31) 57; (32) 55. dissemination by insects, (34) 448, 853.
laurel, hydrocyanic acid in, (29) 133.	dissemination by insects, (34) 448, 853.
laurel leaves, hydrocyanic acid content, (28) 477. leaf beetle—	fungus as affected by tannin, (36) 149.
food plant, (40) 170.	fungus, effect of dyes on, (39) 153.
life history. (34) 756	fungus, identity, (27) 450.
life history, (34) 756. notes, (36) 856.	fungus, longevity of pycnospores, (31) 153. fungus, morphology and life history, (31)
Studies, (35) 260; (37) 459; (40) 63,	246.
leaf blight—	fungus, notes, (34) 49.
control, (39) 552, notes, (40) 249, 251.	fungus, relationships, (28) 651.
notes, (40) 249, 251.	in China. (29) 753.
leaf diseases, treatment, (34) 747.	Massachusetts, (39) 750. Pennsylvania, (36) 454. United States, (27) 450.
leaf spot—	rennsylvania, (36) 454.
new, in United States, (36) 452.	United States, (27) 450.
or shot hole disease, notes, (32) 49; (38) 546. studies, (36) 149; (37) 755; (38) 251; (39) 55,	West Virginia, (37) 558.
855.	life history and morphology, (34) 157. notes, (28) 246, 750; (30) 151; (31) 546; (36)
treatment, (36) 845.	150:

m	
Chestnut—Continued.	Chick—Continued.
blight—continued.	embryo-continued.
parasite and other chestnut fungi in Japan,	interchange of limbs by transplantation,
(34) 848.	(26) 877.
poisoning, notes, (31) 657.	embryology, (29) 371.
reforestation after, (38) 45.	embryonic nutrition, (30) 170.
16515681105, 561(1105, (50) 544.	embryonic tissues, growth in artificial media,
resistant species, (36) 645; (37) 756. studies, (28) 551; (32) 54, 446; (34) 154, 545;	(26) 164.
studies, (28) 551; (32) 54, 446; (34) 154, 545;	Deas—see also Cicer arietinum
(35) 154; (37) 557; (38) 52. treatment, (28) 154; (29) 754.	analyses, (30) 558; (31) 258; (40) 557. anatomical structure, (28) 660. culture experiments, (28) 735; (29) 538; (39)
treatment, (28) 154; (29) 754.	anatomical etrusture (99) 880
blighted timber, cutting out, (36) 52.	Olltura experiments (20) 705, (00) 505, (00)
borer—	725
notes, (30) 154.	735.
	culture in India, (36) 635. culture in Washington, (40) 730.
remedies, (36) 856.	for rice (99) act. (99) 477
two-lined, notes, (21) 100, 100, (20) 100, 000.	ior pigs, (28) 364; (33) 171.
two-lined, remedies, (35) 760.	ou content, (27) 716.
two-lined, notes, (37) 755, 756; (28) 158, 653. two-lined, remedies, (35) 760. two-lined, studies, (32) 656.	for pigs, (28) 364; (33) 171. oil content, (27) 716. production in Spain, (28) 736.
bur borer, notes, (40) 854. canker, studies, (36) 548.	seeds, proteins of, (28) 460. use in brend making, (40) 66.
canker, studies, (36) 548.	use in bread making, (40) 66.
destructive distillation, (27) 745.	Varieties, (28) 533.
disease—	water requirement, (32) 127.
description, (31) 451.	Chicken—
new, description, (33) 448.	blood, dried, analyses, (36) 268. bug, Mexican, notes, (29) 454. cholera, prevalence in Prussia, (27) 181.
notes, (26) 651.	bug, Mexican, notes, (29) 454.
18.50S	cholera, prevalence in Prussia. (27) 181
in France, (33) 56.	
in France, (33) 56. notes, (27) 753.	(ISARSAS and intestinal narceites (27) 770
studies, (28) 240.	fat, constants of (27) 111
Endothia canker, histology, (31) 845.	fat, constants of, (27) 111. fat, digestibility, (36) 860. fat, studies, (26) 761; (28) 63; (31) 758. flea, see Hen flea.
flakes, preparation and use, (36) 367.	fat studies (26) 781. (20) 82. (21) 750
four opalities (20) 970	flog see Flor flog
flour, analyses, (39) 870.	flock on offseted by temperatures above and
flour, soluble carbohydrate of, (26) 464.	helan fraction (07) 00
fruits, injection with chestnut blight fungus, (33) 551.	Delow freezing, (37) 62.
(33) 551.	guinea hybrid serum, retractive index, (35) 279.
hybrids, blight resistance in, (31) 142.	lice and mites, description, (32) 754.
ink disease, paper on, (27) 438.	lice and mites, notes, (35) 183.
ink disease, paper on, (27) 438. lands, reforestation, (31) 341.	lice, remedies, (32) 754; (37) 258.
140f	meat, poisoning by cantharides, (26) 660.
bacteriosis, (37) 550.	mites—see also Poultry mites.
injury in Paris. (37) 224.	destruction, (34) 682.
spot, large, notes, (28) 55.	dissemination by English sparrows, (26)246.
leaves, mottling, (30) 147.	life history and habits, (37) 859.
bacteriosis, (37) 550. injury in Paris, (37) 224. spot, large, notes, (28) 55. leaves, mottling, (30) 147. leaves, plant food constituents, (37) 629.	flea, see Hen flea. flesh as affected by temperatures above and below freezing, (37) 62. guinea hybrid serum, refractive index, (35) 279. lice and mites, description, (32) 754. lice and mites, notes, (35) 183. lice, remedies, (32) 754; (37) 285. meat, poisoning by cantharides, (26) 660. mites—see also Poultry mites. destruction, (34) 682. dissemination by English sparrows, (26) 246. life history and habits, (37) 859. notes, (33) 354; (35) 183, 878; (37) 361. pox, complement fixation in, (34) 877. immunization, (30) 785; (31) 887; (34) 274, 784; (35) 885; (37) 584. notes, (36) 448. paper on, (38) 179.
Oldium, notes, (38) 455. pocketed or piped rot, description, (30) 52. seeds, reserve material in, (34) 427.	pox, complement fixation in. (34) 877.
pocketed or piped rot, description, (30) 52.	immunization, (30) 785; (31) 887; (34) 274.
seeds, reserve material in, (34) 427.	784; (35) 885; (37) 584,
starch, studies, (31) 828.	notes, (36) 498.
survey in Tennessee, (26) 745.	paper on, (38) 179.
timber killed by bark disease, utilization, (31)	pathology, (26) 889; (27) 576.
144.	paper on, (38) 119. pathology, (26) 889; (27) 576. secondary invader, (34) 481. studies, (35) 283. transmission by Stomovys calcitrans (28)
tree disease in Ardèche, (36) 149.	studies, (35) 283.
trees as affected by injection of chemicals, (33)	transmission by Stomoxys calcitrans, (28)
350.	756.
trees, diseased, treatment, (29) 755.	treatment, (39) 791.
weevils—see also Balaninus spp.	Vaccination (30) 792
notes, (26) 753.	sarcoma, serum treatment, (40) 678. sarcoma, spindle-celled, (28) 287, 288. soup, condensed, examination, (29) 659; (31) 659. testes, histological studies, (27) 869. testes, interstitial cells in, (34) 264.
Chestnuts-	sarcoma, spindle-celled, (28) 287, 288.
breeding, (31) 142.	soup, condensed, examination, (29) 659; (31) 659.
composition, (39) 107. culture experiments, (28) 238.	testes, histological studies, (27) 869.
culture experiments. (28) 236.	testes, interstitial cells in. (34) 264.
Diaporthe parasitica affecting, (26) 56.	tick, see Argas miniatus.
dying, (31) 246.	tick, see Argas miniatus. Chickens—see also Chicks, Fowls, Hens, and
ood value, (40) 173.	Poultry.
grafting upon oaks, (26) 551.	American class, (37) 368.
horse, see Horse-chestnuts.	anthelmintics for, (40) 778.
in horses. (26) 672: (28) 772.	as affected by-
insects affecting, (27) 756; (30) 456.	Poentren rave (21) 280
in horses, (26) 672; (28) 772. insects affecting, (27) 756; (30) 456. Japanese, resistance to black canker, (27) 51.	vitamin-free diet, (30) 865. bare necked, of Barbados, (32) 867. bovine variola in, (27) 685.
Japanese, resistance to black root rot, (29) 553.	bare necked, of Barbados, (32) 367.
keening over winter. (35) 840.	bovine variola in. (27) 685.
keeping over winter, (35) 840. new, description, (31) 337.	breeding and management, (33) 77.
varieties for blight districts, (38) 152.	breeding experiments, (32) 572; (35) 869.
Oheyletus—	cestode infection in. (35) 577, 683.
eruditus, notes, (40) 855.	breeding and management, (33) 77. breeding experiments, (32) 572; (35) 869. cestode infection in, (35) 577, 683. cost of raising, (33) 77; (39) 481.
seminivorus, life history and habits, (28) 859.	crest of, (30) 773.
Ohhana, analyses, (27) 268.	digestion of aluminum by, (30) 873.
Chicago—	dissemination of—
Board of Trade, rules and by-laws, (33) 787.	anthrax by. (28) 678.
stockyards district, wages and family budgets	anthrax by, (28) 678. forage poisoning by, (38) 383.
	_ round of brown with all look and
in, (32) 163. Dhick—	early hatching, (38) 678.
	early natening, (58) 678.
	factors affecting pulse rate, (28) 768.
embryo—	factors affecting pulse rate, (28) 768.
embryo— as affected by temperature, (39) 482; (40)	factors affecting pulse rate, (28) 768. Garonnaise, notes, (31) 568. grit for, (34) 377.
embryo— as affected by temperature, (39) 482; (40) 671.	early flacting, (88) of 8. factors affecting pulse rate, (28) 768. Garonnaise, notes, (31) 568. grit for, (34) 377. growing, cholesterol content. (30) 674.
embryo— as affected by temperature, (39) 482; (40)	factors affecting pulse rate, (28) 768. Garonnaise, notes, (31) 568. grit for, (34) 377.

Chickens—Continued.	Chicory—Continued.
hatching on a large scale, (26) 772.	irrigation experiments, (30) 886.
	monograph, (31) 336. notes, (29) 338.
immunization against tuberculosis, (26) 85.	notes, (29) 338.
in Philippines, (26) 666; (30) 374.	physiological effect, (27) 868. pollination studies, (36) 523.
immunization against tuberculosis, (26) 85. in Philippines, (26) 666; (30) 374. limber-neck in, (36) 681.	pollination studies, (30) 523.
malta fever affecting, (26) 84. Mediterranean and Continental classes, (38)	preparation and methods of analysis, (29) 660.
Mediterranean and Continental classes, (38)	products, description and analyses, (35) 504.
373.	root, betains in, (27) 203. root, inulin in, (40) 325, 727. roots, dried, for horses, (33) 670. Selerotima disease of, (22) 646.
milk-fed, (35) 499. milk-fed, in Europe, (32) 264. natural and artificial brooding, (32) 264.	roots dried for horses (22) 670
matural and artificial broading (22) 264 #	Solorotine discoss of (20) 646
nematodes in crop, (40) 587.	studies, (28) 762; (34) 427.
nematodes in crop, (40) 587.	substitute for (40) 508
odd chromosome in spermatogenesis of, (30) 772.	substitute for, (40) 508. varieties, (26) 631; (30) 435.
of Guam. (30) 69.	watering, continuous, (37) 543.
of Philippines, improvement, (38) 576. origin and history of breeds, (27) 572.	Witloof, culture and forcing, (35) 742.
origin and history of breeds. (27) 572.	Witloof, forcing, (36) 443. Chigger mites, studies, (39) 265.
poisoning with rose chaier, (34) 655; (35) 489;	Chigger mites, studies, (39) 265.
(36) 281.	Chiggers—see also Trombidium spp.
relation to typhoid fever, (32) 477. trussing and boning, (26) 168.	notes, (35) 352.
trussing and boning, (26) 168.	romedies, (33) 258.
tuberculin test for, (27) 181; (31) 582.	Child—
Chicks-	labor in—
artificial brooding, (35) 773; (37) 71.	agriculture, (40) 591.
as affected by—	cotton picking, (30) 793.
alcoholization, (40) 470.	sugar-beet fields of Colorado, (38) 191.
pituitary substances, (36) 468.	nurture education in United States, (35) 394.
rice diet, (38) 677. brooders for, (40) 372, 485.	Children—see also Boys and Girls.
brooding (22) 07: (26) 071: (20) 701	anemic and tuberculous, nutrition, (32) 358
brooding, (33) 97; (36) 871; (39) 781. care and management, (37) 96; (39) 75, 781.	as affected by coffee drinking, (27) 272. as affected by meat ingestion, (29) 365.
care of, (32) 869.	00rg (20) 465: (20) 260: (21) 660: (22) 66 405: (24)
cost of raising, (32) 868; (35) 377; (36) 72; (37)	care, (29) 465; (30) 260; (31) 660; (32) 66, 495; (34) 861; (35) 664; (40) 560.
691 • (30) 577	choice of bread for (28) 260
dev-old sex of (33) 672	choice of bread for, (26) 260. creatin and creatinin of blood, (40) 274.
day-old, sex of, (33) 672. day-old, shipping long distances, (38) 677. developing, lipoid metabolism in, (28) 876. digestion in, (29) 372. diseases of, (37) 280.	creatin excretion in. (31) 860.
developing, lipoid metabolism in, (28) 876.	creatin excretion in, (31) 860. diet of, (26) 465; (34) 861.
digestion in. (29) 372.	energy requirements, (39) 876. feeding, (29) 465; (30) 462; (31) 660; (32) 66, 495; (35) 664; (37) 166, 671; (39) 66, 282, 472, 772, 876;
diseases of, (37) 280.	feeding, (29) 465; (30) 462; (31) 660; (32) 66, 495;
enect of mineral matter on, (39) 577.	(35) 664; (37) 166, 671; (39) 66, 282, 472, 772, 876;
feeding, (28) 73; (33) 98; (35) 773.	(40) 68, 361, 560.
feeding—	feeding, treatise, (26) 763.
and care, (33) 381.	food requirements, see also Infants, feeding, food requirements, (29) 464; (31) 261, 463; (33)
and management, (39) 75. experiments, (28) 172, 773; (29) 273; (30) 571; (31) 473, 569; (32) 570; (33) 273; (34) 176, 871, 872; (35) 479; (37) 768; (39) 376, 577, 780.	100d requirements, (29) 464; (31) 261, 463; (33)
experiments, (28) 172, 773; (29) 273; (30)	364; (34) 861; (35) 664. growth, (28) 664.
176 071 070, (25) 470, (27) 740, (20) 273, (34)	growth, (28) 004.
170, 071, 072, (00) 478, (01) 100; (00) 070;	hospital anarom matchalism of (22) 756
ernarimente régumé (33) 572	growth and nutrition standards, (40) 865. hospital, energy metabolism of, (33) 756. increased cost of maintenance, (30) 166.
experiments, résumé, (33) 572.	infection with bovine tubercle bacilli, (29) 332,
pineal gland secretion, (39) 780. growth as affected by pituitary and thymus	(32) 477.
substances, (35) 171.	light farm work for, (36) 496.
substances, (35) 171. growth under laboratory conditions, (35) 472; (36) 373.	light farm work for, (36) 496. malnutrition, (40) 362.
(36) 373.	measurement of surface area. (35) 369.
DRECHING GREINGIGHW. (31) K70	menus for, (31) 760. milk for, food value, (39) 282; (40) 179. milk for, raw v. boiled, (29) 360.
hatching, early v. late, (36) 870. incubating and care, (26) 270. incubation and brooding experiments, (33) 76. instincts and habits in, (26) 670.	milk for, food value, (39) 282; (40) 179.
incubating and care, (26) 270.	milk for, raw v. boiled, (29) 360.
incubation and brooding experiments, (33) 76.	milk for, statistics, (40) 803.
instincts and habits in, (26) 670.	nervous, management, (26) 465.
lysin requirements, (39) 480. mineral requirements, (39) 577.	nursing, tuberculosis in, (29) 382. nutrition of, (34) 561.
mineral requirements, (59) 577.	nutrition of, (34) 561.
mortality in, (34) 881.	rectal temperature in, (31) 563.
outline for laboratory study, (40) 483. primordial germ cells in, (30) 872.	rural, survey in North Carolina, (40) 892, school, feeding, (27) 767; (28) 664.
proteins for (30) 480	school, nutrition of, (26) 262.
proteins for, (39) 480. raising, (31) 271; (40) 670.	sleeping, chemistry and energy metabolism of
raising on new land, (36) 173.	(26) 466.
Rhode Island Red, rate of growth, (40) 670.	sugar in diet of, (29) 460: (34) 164.
scale and feather development of, (31) 369.	undernourished, in factories and schools, (39)
shipping boxes, (40) 78.	772.
teaching to roost, (35) 377.	undernourished, nutrition class for, (40) 661.
troubles and vices. (39) 791.	undeveloped, nutrients for, (32) 458.
White Leghorn, rate of growth, (40) 670. Chickweed, destruction, (26) 333; (31) 739.	Children's gardens, see School gardens.
Chickweed, destruction, (26) 333; (31) 739.	Chili sauce, recipes, (28) 715.
Chicle from Euphorbia lorifolia, (28) 49.	Chilies, see Pepper.
Chico mamey, analyses and use, (30) 363.	Chilo-
Chicory—	infuscatellus, notes, (34) 758.
adulteration, (39) 715; (40) 658.	simplex, notes, (31) 851. simplex, studies, (40) 167.
betains in, (27) 203. catalytic fertilizers for, (27) 629.	
culture, (28) 839.	spp., notes, (35) 58. Chilocorus—
detection in roasted colleg. (31) 208.	bipustulatus—
fertility experiments, (26) 631.	as enemy of scales, (39) 767.
fertility experiments, (28) 631. fertility in, (38) 226; (39) 432; (40) 427. flower number per head, (40) 225. insects affecting, (31) 249.	introduction into California, (34) 361
flower number per head, (40) 225.	notes, (38) 467.
insects affecting, (31) 249.	bivulnerus, notes, (28) 754.
inulin coagulating substances in, (36) 127. inulin in, (39) 202, 524. inulin metabolism in, (28) 821; (30) 432.	similis, see Asiatic ladybird.
inuin in, (39) 202, 524.	spp., parasitic on white wax coccid, (35) :
4HULII IDELADORSIN III, (28) 821; (80) 432.	Chilopoda of Kansas, (30) 759.

Chilosia sp., notes, (34) 358.	hlamydozoon—Continued.
Chimonanthus spp., hydrocyanic acid in, (28) 429.	prowazeki n.sp., description, (26) 757.
Chin fly, see Gastrophilus nasalis.	sphingidarum n.sp., description, (26) 758.
China berries, effect on pigs, (27) 583.	lhloral hydrate—
Chinch bug—	and copper sulphate, antagonistic action on peas, (30) 728; (32) 35.
burning, (31) 156. control, (28) 354.	peas, (30) 728; (32) 35.
control, (28) 354.	enect on permeability of plant tissues, (28) 732.
control in Illinois, (29) 53.	toxicity toward plants, (34) 526.
disease, notes, (27) 299.	use in fistula, (26) 277.
egg parasites of, (29) 854; (31) 354; (31) 66; (38)	use in veterinary medicine, (32) 278.
653.	vapor, larvicidal value, (34) 359.
false—	Chloralose, anesthetic value, (39) 885. Chloramin—
notes, (29) 252; (37) 847. remodies, (36) 154; (39) 760.	compounds, antiseptic action, (35) 380.
studies, (39) 464.	compounds for sterilizing water, (38) 188.
framse diseases studies (96) 454	preparation, properties, and use, (35) 380.
fungus diseases, studies, (26) 454. fungus, notes, (26) 455.	Chloramin-T—see also Dakin's solution, Dichlora-
in Ohio, (39) 863.	min-T, and Hypochlorite.
in Ontario, (30) 52.	action on proteins, (36) 878.
	antiseptic value, (40) 182, 284.
Insect enemies, (40) 165. life history, (26) 454; (38) 54. notes, (28) 653; (29) 252, 793, 854; (31) 156; (32) 448; (33) 58, 59.	in treatment of wounds, (37) 876.
notes, (28) 653; (29) 252, 793, 854; (31) 156; (32)	preparation, (40) 13.
448; (33) 58, 59.	solution, studies, (39) 185, 786.
nymphal stages, (40) 353.	toxicity, (39) 586.
poisoning, (39) 258.	Chlor-antiseptics, formulas, (37) 477.
nymphal stages, (40) 353. poisoning, (39) 258. remedies, (26) 454, 455; (27) 158; (29) 653; (38)	Chlorates—
54.	alkaline, pharmacodynamics, (40) 581.
studies, (26) 347; (30) 547; (36) 153.	determination, (34) 712; (39) 207.
Chinese—	determination in hypochlorite solution, (40) 410.
bean, culture, (32) 226.	determination in presence of chlorids and per-
wood oil—	chlorates, (26) 511.
in varnish, estimating, (39) 613.	Chlorazene, composition and use, (38) 782. Chlorid—
notes, (30) 616.	excretion during fasting, (30) 764.
tree, culture in United States, (30) 535. tree, notes, (28) 843; (32) 539.	iodin, antiseptic value, (40) 779.
Chinin, new variety of avocado, (40) 151.	of lime—
Chinosol as treatment for—	decomposition in water company and ar-
Fusarium in cereals, (33) 546.	ganic solutions, (38) 592. for moor soils, (39) 438. in solitation treatise and hibliography
seed grain, (28) 846.	for moor soils, (39) 438.
Chinquapin pocketed or piped rot, description,	in sanitation, treatise and bibliography,
(30) 52.	(29) 512.
Chinquapins—	purification of water by, (28) 214; (29) 315;
blight resistance in, (30) 544; (31) 142.	(33) 833; (34) 83. relation to tobacco gummosis, (28) 243. sterilization of milking machines by, (29)
giant, planting in Southern States, (26) 651.	relation to tobacco gummosis, (28) 243.
parthenogenesis in, (31) 443.	sterilization of milking machines by, (29)
Chion cinctus on pecan, (38) 157.	010.
Chionaspis—	sterilization of soil by, (26) 322.
americana, notes, (26) 147.	Chloridea—
aspidistrae gossypii, injurious to cotton, (27)	assulta, studies, (40) 62.
454.	obsoleta, see Cotton bollworm, Corn earworm, and Corn worm.
biclayis, destruction by fungi, (28) 556. citri, notes, (31) 58.	virescens, studies, (37) 664.
euonymi, see Euonymus scale.	Chlorids—
furfura, see Scurfy scale.	absorption and utilization by plants, (35) 435.
lintneri, notes, (29) 251.	as an indicator of water contamination, (30) 714.
pinifoliae, notes, (28) 353; (34) 752.	determination in—
salicis, notes, (30) 53.	blood, (37) 804; (39) 207, 807.
tegalensis, notes, (33) 155.	body fluids, (34) 507.
Chipmunks—	cheese, (34) 807.
host of spotted fever tick, (26) 64.	cultivated soils, (30) 205.
new subspecies, (39) 654.	presence of chlorates and perchlorates, (26)
susceptibility to plague, (26) 59.	511.
Chiricahula cavicola n.g. and n.sp., description,	effect on
(40) 357.	activity of malt diastase, (29) 528.
Chirodiscoides caviae n.g. and n.sp., description,	nitrification in soils, (28) 817. nodule production, (32) 727; (33) 134.
(38) 865. Chironomidae of Illinois, (34) 654.	potato scab, (32) 750.
Chironomus—	soils and plants, (35) 423.
anonymus, notes, (28) 254.	excretion as affected by water drinking, (34) 763.
cavazzai, biology, (32) 450.	flocculating power on clay, (27) 620.
sp., notes, (28) 158.	titration, McLean-Van Slyke method, (38) 204.
cavazzai, biology, (32) 450. sp., notes, (28) 158. (Tendipes) plumosus, notes, (32) 554.	Chlorin—
Chirotenetes albumanicatus, studies, (39) 656.	absorption by soils, (40) 619.
Chisel, pneumatic, use in tree surgery, (30) 642.	antiseptics, (40) 181, 284.
Chitin, occurrence in bacteria, (36) 501.	antiseptics, action on blood clot, (40) 883.
Chlamydinae, catalogue, (30) 458.	compounds, purification of water by, (32) 87.
Chlamydobacteriales, subgroups and genera, (40)	content of
521.	milk, (27) 715.
Chlamydomonas—	muscles, (26) 566. rain, (30) 418, 620, 815.
as affected by luminous radiations, (26) 431.	rain, (30) 418, 620, 815.
movement of zoospores, (27) 729.	snow, (30) 815. determination in—
reticulata, assimilation of nitrogen and phos-	Geography In In-
phorus by, (28) 35. Chlamydozoa—	hody finide (28) and
VALUE Y LUCYO	body fluids, (38) 204.
intermediate hosts of (26) 759.	body fluids, (38) 204. chlorids, (37) 714. drinking water. (27) 714.
intermediate hosts of. (26) 759.	body fluids, (38) 204. chlorids, (37) 714. drinking water, (37) 714. foods. (39) 809.
intermediate hosts of, (26) 759. notes, (27) 780. Chlamydozoon—	body fluids, (38) 204. chlorids, (37) 714. drinking water, (37) 714. foods, (29) 809. milk, (38) 314; (38) 112.

Chlorin—Continued.	Chlorophyll—
determination in—continued.	and blood pigment, relation, (32) 711.
potable waters, (26) 110.	as affected by light, (31) 222.
rice, (29) 231; (31) 110.	assimilation as affected by chloroform, (33) 827
vegetable matter, (34) 410.	assimilation, notes, (30) 225.
water, (33) 90.	assimilation, notes, (30) 225. chemistry, (27) 107, 310.
disinfecting value as affected by alum, (34) 885.	chemistry, progress in, (27) 802.
effect on coagulation of milk, (28) 504.	colloidal nature, (28) 407; (32) 19.
fertilizing value, (27) 128.	constitution of, (26) 229.
in cereals and dry legumes, (36) 761.	content and respiration of plants, relationship
inland ground waters, (31) 813.	(31) 222.
rain and snow, (32) 616; (38) 416.	formaldehyde from, (31) 222.
soils and atmospheric precipitation. (30) 422	formation as affected by—
ions, combination in alkali salts, (33) 623.	magnesium, (36) 225; (39) 827. manganese, (29) 323.
ions, determination in blood, (30) 201.	manganese, (29) 323.
ions, determination in honey, (33) 502.	ultraviolet rays, (33) 28.
larvicidal value, (37) 665.	formation-
liquid, sterilization of water by, (37) 588.	effect on toxicity of magnesium nitrate, (38)
loss on incinerating organic substances, (33) 611.	224.
number, a new constant of fat, (32) 808.	in plants, (31) 519, 520.
relation to plant growth, (38) 729, 730.	relation to light wave length, (33) 29, relation to mitochondria, (29) 827, under action of light, (28) 731.
renal excretion of, (28) 765.	relation to mitochondria, (29) 827.
rôle in plant nutrition, (33) 725. rôle in protein metabolism, (28) 66.	under action of light, (28) 731.
rôle in protein metabolism, (28) 66.	function of, (34) 30.
sterilization of water by, (33) 883; (34) 885. supply of body, effect of decrease, (26) 465.	grains, dimorphism in plants, (27) 427.
supply of body, effect of decrease, (26) 465.	in autumn leaves, retention, (36) 225. leaves, determination, (27) 713.
Chlorinated—	leaves, determination, (27) 713.
alum solution, antiseptic value, (40) 779.	peach leaves, (32) 823.
alum solution, antiseptic value, (40) 779. antiseptics, (39) 184, 506.	plants, role, (34) 525.
antiseptics, action on necrotic tissue, (38) 685.	peach leaves, (32) 823. plants, rôle, (34) 525. plants, state of, (29) 323. plants, studies, (27) 227. plants, studies, (27) 227.
toluene mixtures, methods of analysis, (39) 807.	plants, studies, (27) 227.
Chloris-	inheritance in maize, (39) 825. living, stability of, (31) 127. notes, (31) 728. photochemical reactions, (37) 26.
ciliata, germination studies, (27) 219; (31) 222.	living, stability of, (31) 127.
elegans, nutritive value, (27) 569.	notes, (31) 728.
gayana—	photochemical reactions, (37) 26.
analyses, (30) 565.	physiological theory, (33) 824. pigments, replacing, (31) 128. quotients in leaves, (30) 629.
culture experiments, (27) 234.	pigments, replacing, (31) 128.
culture in Philippines, (30) 233.	quotients in leaves, (30) 629.
leaf structure, (36) 331.	relation to—
notes. (27) 528	formation of formaldehyde, (29) 132.
root system, (36) 438. spp., analyses, (28) 463; (36) 334. spp., notes, (26) 361.	lycopin, (32) 824. transpiration in leaves, (28) 529.
spp., analyses, (28) 463; (36) 334.	173115D17311011111 1611 V65, (20) 029.
spp., notes, (26) 361.	ultraviolet rays, (27) 827; (28) 37. review of Willstätter's researches on, (31) 427.
spp., studies, (38) 66.	rôle in condensation of nitrogeness substances
virgata-	rôle in condensation of nitrogenous substances, (28) 328.
analyses, (33) 169.	spectro-colorimetric estimation in plants, (31)
analyses, (33) 169. analyses and digestibility, (27) 871; (32) 167.	520.
notes. (31) 228.	studies (25) 332 435 611 (28) 110, 608
Chlorochroa uhleri, notes, (34) 752.	studies, (25) 332, 435, 611; (28) 110, 608. synthesis, rays concerned in, (30) 225.
Chlorochroa uhleri, notes, (34) 752. Chlorocodon whitei, notes, (27) 33.	treatise, (30) 311.
Chloroform—	Chloropisca—
as an anthelmintic, (37) 578.	glabra, studies, (39) 562.
milk preservative, (32) 472, 576.	notata, hibernation, (34) 254.
serum preservative, (33) 280.	Chloroplasts—
stimulant in soil extracts, (36) 815.	iron compounds in, (33) 627.
vermifuge, (38) 884.	photosynthetic function of, (31) 427.
detection in ethyl alcohol, (29) 312.	primordia of, (39) 332.
effect on—	rôle of yellow pigment in, (31) 128.
action of maltase, (28) 504.	studies, (33) 824.
assimilation of chlorophyll, (33) 827.	Chlorops taeniopus, notes, (27) 560; (31) 50.
blood treated with vaselin, (31) 620.	Chlorosis—
chernozem soil, (38) 17.	in corn, (31) 221.
development of eggs, (26) 772.	in orchards, relation to soils, (28) 623.
factors of coagulation, (35) 380.	in plants—
factors of coagulation, (35) 380. germination of wheat, (27) 220.	in nutrient solutions, (36) 633.
grupe must fermentation, (36) 801.	notes, (34) 525; (38) 432, 847.
hemolytic reaction, (36) 878.	relation to calcium carbonate, (28) 242.
inversion of saccharose, (33) 523.	studies, (29) 826; (33) 519, 520, 522; (34) 52;
micro-flora and fauna in soils, (30) 219.	(38) 728.
must and wine, (30) 612. permeability of plant tissues, (28) 732.	Chlorosplenium seruginosum, notes, (32) 341.
planta mambrana (98) 994	Chlorostatoliths, notes, (36) 730.
plasma membranes, (26) 824. plant respiration and assimilation, (26) 227.	n.spp., descriptions, (34) 255.
plants, (28) 429.	unicolor, life history, (35) 553.
iratory exchange of leaves, (30) 227.	Chlorotone, effect on development of eggs, (26) 772.
seed germination, (26) 131.	Chlorpicrin as a fumigant, (39) 558.
soil microorganisms, (31) 27.	Chlor-xylenol-sapocresol as a disinfectant, (32) 80.
extract of—	Choanataenia infundibuliformis, intermediate host,
hays and fodders, (31) 71.	(35) 577, 683.
hays and fodders, composition and digesti-	Choanephora cucurbitarum, studies, (36) 848.
bility, (28) 69.	Chocolate—
plants, composition and digestibility, (27)	analyses, (26) 506; (28) 461; (35) 558.
500.	and cocoa, treatise, (26) 662, 710.
soils, (29) 801.	artificial coloration, (27) 809.
sterilization of soils by, (31) 621; (32) 816.	conner in. (28) 862.
use against lungworms, (35) 182.	examination, (26) 659; (36) 506.
Chlorophora excelsa, insects affecting, (28) 555.	Judging, (26) 609.
Chlorophycese, development and nutritional	manufacture, (29) 312; (30) 258.
physiology, (40) 130.	manufacture, progress in, (32) 23.

Chocolate—Continued.	Chondriosomes—Continued.
methods of analysis, (27) 207. milk, determination of lactose and sucrose in,	in living plant cells, (29) 217. vegetable cells, (32) 428.
(40) 14.	nature of, (35) 226.
milk, methods of analysis, (27) 498, 613. value in the diet, (29) 664.	nature of, (35) 226. review of literature, (33) 631. rôle in secretion, (28) 272.
Choeromyia—	studies, (39) 332; (40) 223, 323.
n.spp., descriptions, (26) 559. notes, (30) 458.	Chondromyces crocatus, development, (30) 28. Chondrosamin, isomeric pentacetates of, (36) 202.
Choetochloa palmifolia as a forage crop, (38) 827. Chokecherries, black knot affecting, (30) 750.	Chondrus crispus, analyses, (37) 814.
Chokecherry aphis, description, (39) 62.	Chop-feed, analyses, (29) 769; (34) 663. Chops, analyses, (27) 364; (31) 73; (32) 862.
Cholam— in malting operations, (40) 808.	Chordelles, notes, (35) 254. Choreutis—
short smut, studies, (38) 850. Cholera—	inflatella, life history, (33) 655.
Asiatic, transmission, (26) 61; (31) 752.	parialis, notes, (31) 848.
evolution of, (39) 285. like diseases of birds, (40) 685.	Chorizagrotis— agrestis, notes, (33) 746; (35) 758. auxiliaris, life history, (35) 854.
relation to tomatoes, (27) 766.	auxiliaris, life history, (35) 854. auxiliaris, notes, (35) 853.
rôle of specific fats in complement fixation, (39) 80.	sp., poisoned bait for, (34) 358.
toxins and antitoxins, notes, (26) 676. vibrio, destruction by periodol, (39) 80.	Chortophaga viridifasciata, notes, (36) 153. Chortophila—
virus, action in immune animal organism, (35)	brassicae, see Cabbage maggot.
280. Cholesterin—	cilicrura as a rye pest, (38) 557. trichodactyla, attacking cucumbers, (34) 454.
metabolism of, (32) 764.	Chou moellier, notes, (26) 833, 835. Chowchow, recipes, (28) 715.
of diet, relation to bile cholesterin and salts, (33) 566.	Chremylus rubiginosus, notes, (27) 564.
origin, (33) 166. synthesis of, (34) 168.	Chremylus rubiginosus, notes, (27) 564. Christchurch Technical College, notes, (31) 898. Christmas-berry tingis, California, notes, (26) 148.
variations during inanition and feeding experi-	Christmas trees—
ments, (34) 258. Cholesterol—	culture and marketing, (36) 745.
absorption in intestine. (33) 166.	growing, (35) 746. Chromaphis juglandicola—
absorption, mechanism, (36) 265. addition to fat-deficient diet, (36) 366.	control, (39) 461.
constancy in animals, (33) 69.	fungus enemy, (39) 464. remedies, (33) 557.
constancy in animals, (33) 69. crude, from butter fat, (28) 809. determination, (29) 809; (35) 805. determination in blood, (35) 13; (39) 716; (40)	studies (31) 753.
15.	Chromatophores— coloring matters of, (35) 333.
determination in serum, (33) 315.	movement, (38) 426. Chrome yellow, effect on linseed oil, (28) 714.
effect on growth of white mice, (35) 865. excretion by man, (28) 462.	Chromii sulphas, nature and use, (26) 580.
importance in the organism, (31) 465. in blood during fat absorption, (39) 671.	Chromium—
in blood during fat absorption, (39) 671. edible fats, (32) 205.	compounds, effect on ferments, (26) 309. compounds, effect on plants, (28) 730.
growing chickens, (30) 674. milk, (26) 775; (40) 11.	determination in minerals and rocks, (31) 16. fertilizing value, (27) 128.
tissues as affected by diet, (33) 754. metabolism of eggs during incubation, (33) 472.	in plants, (38) 409.
nephelometric values, (39) 311.	in soils, (31) 720. oxid green, effect on linseed oil, (28) 714.
preparation and determination, (30) 501. studies, (40) 767.	toxic effect on plants, (38) 629. Chromogenesis, induced variations in, (33) 630.
synthesis in the animal organism, (30) 675. Cholin—	Chromogens—
assimilation by plants, (26) 32.	formation in plants, (29) 421.
determination, (35) 202. effect on plant growth, (28) 324.	plant respiratory, absorption of oxygen by, (29) 324.
effect on sex determination, (28) 68.	purpling, isolation from air potatoes, (28) 505. vegetable, oxidation and reduction in, (34) 32;
in dried herring roe, (29) 863. grape leaves, (27) 731.	(35) 225.
hops, (32) 502. rice polishings, (33) 167.	Chromoleucites, pigments of, (34) 33. Chromophylls in plant and animal world, (26) 710.
stachys tubers and citrus leaves, (26) 107.	Chromoplats, origin, (37) 632. Chromosome—
sugar beets, (28) 810. isolation from oat farina, (31) 309.	action, hormone theory, (38) 525.
isolation from soils, (28) 418. use against tumors, (29) 476.	combinations in the strawberry, (39) 49. Chromosomes—
Cholina spp., list, (39) 99.	function, (27) 769.
Cholla fruit— analyses, (27) 570.	function in heredity, (34) 527. in wheat, studies and bibliography, (27) 636.
nutritive value. (27) 569.	mammalian, fixation, (40) 662. measurements, (28) 766.
Chollas as emergency forage, (27) 569. Cholomyia inaequipes, notes, (27) 864.	nature and importance, (29) 665.
Cholus-	relation to heredity, (27) 468. relation to hybridization in plants, (40) 817.
cattleyarum), in Wisconsin, (38) 155.	segmentation, (39) 574. significance in heredity, (29) 321.
n.sp., description, (36) 555.	structure, (29) 67.
notes, (40) 754. cattleyarum n.sp., description, (36) 360.	Chromosporium crustaceum n.sp. on rubber, (32)
cattleyarum n.sp., description, (36) 360. forbesii, introduction into New Jersey, (37) 660.	Chrosperma muscaetoxicum, toxicity, (39) 886.
Chondriomes in tulip flower, (38) 127. Chondriosomes—	Chrysalids, external sexual characters, (27) 456. Chrysanthemum cinerariaefolium—
in epidermal cells of Iris germanica, (34) 524.	betains in, (27) 204. culture, (40) 151.
fungi, (32) 822. fungi and algae, (35) 635.	manganese content, (38) 207.

Chrysanthemum—	Chrysophlyctis—
crown gall, notes, (37) 252.	endobiotica—
frutescens as a host of celworm, (34) 349.	life history (40) 848
gall fly, see Diarthronomyia hypogaca.	notes, (26) 448; (27) 245; (28) 243, 648; (29)
leaf miner—	notes, (26) 448; (27) 245; (28) 243, 648; (29) 243; (30) 47, 448; (31) 242; (32) 443, 546; (33) 446, 846, 850; (34) 241; (35) 48; (40)
ın Wisconsin, (38) 155.	(33) 446, 846, 850; (34) 241; (35) 48; (40)
notes, (26) 856; (35) 54; (38) 155.	107, 040, 040.
remedies, (29) 55.	studies, (26) 547.
studies, (32) 451.	treatment, (31) 140.
leaf mining fly, notes, (27) 552.	transfer to Synchytrium, (26) 517.
leucanthemum—	Chrysophylluin—
as affected by top dressing, (26) 40.	cainito, cold storage of, (32) 439.
dissemination by farm animals, (26) 839.	oliviforma, notes, (27) 862.
midge, notes, (34) 251; (36) 856; (38) 160, 358.	Chrysopidae—
root tumors or crown gall, treatment, (30) 354.	feeding habits, (36) 552.
Septoria disease, notes, (35) 550.	of Japan, (30) 754.
Chrysanthemums—	Chrysopids, parasites of, (31) 757.
as affected by radio-active substances, (32) 34.	Chrysoplatycerus splendens, notes, (26) 149.
culture, (37) 44.	Chrysopogon parviflorus, analyses, (30) 565.
culture in greenhouses, (26) 740.	Chrysops—
dimorphism in, (28) 541.	collecting larvae, (40) 757.
evolution, (34) 237.	egg-laying habits and early stages, (37) 853. spp., transmission of filoria by, (36) 86.
fertilizer experiments, (26) 730; (40) 741.	spp., transmission of Trypanosoma equinum
growth in partially sterilized soils, (26) 815.	by, (31) 82.
growth on sterilized soils, (31) 336.	Chrysopus sp., destructive to purple scale, (26)
insects affecting, (28) 451.	757.
red spider on, (39) 65. spontaneous decapitation of, (31) 844.	Chrysotoxum coloradensis n.sp., description, (40)
trootice (28) 543: (40) 540	757.
treatise, (28) 543; (40) 540. varieties, (34) 232; (38) 446.	Chufas—
varieties at Wisley, (33) 536.	as a duck food, (30) 545.
Chrysobothris—	culture experiments, (40) 434.
femorata, see Apple-tree borer, flat-headed.	culture in Philippines, (26) 361.
scitula, notes, (38) 762.	notes, (26) 362.
tranquebarica, studies, (40) 860.	Church and country life, handbook, (36) 92.
Chrysocelis lupini n.g. and n.sp., description, (35)	Churches—
245	relation to rural problems, (33) 190.
Chrysocharis mallochi n sp., description, (38) 165.	rural—
Chrysocharis n.spp., descriptions, (30) 59.	conference on, (34) 297.
Chrysolampus lycti n.sp., description, (31) 459.	cooperation, (37) 593.
Chrysolite, solubility of magnesia in, (40) 812.	decadence of, (30) 893.
Chrysocharis mallochi n sp., description, (38) 165. Chrysocharis n.spp., descriptions, (30) 59. Chrysolampus lycti n.sp., description, (31) 459. Chrysolte, solubility of magnesia in, (40) 812. Chrysomelians of Ontario, (31) 155.	conference on, (34) 297. cooperation, (37) 593. decadence of, (30) 893. economic and social force, (37) 90.
	educational opportunities, (32) 388.
evolution, (32) 429.	federation, (32) 285.
evolution, (32) 429. notes, (28) 854. Chrysomelidae—	educational opportunities, (32) 388. federation, (32) 285. handbook, (29) 294.
Chrysomelidae—	improvement, (29) 594. in Kansas, (33) 694.
catalogue, (26) 560. of Philippines, (29) 657.	in Kansas, (33) 694.
of Philippines, (29) 657.	problems of, (31) 391; (35) 891. treatise, (29) 190; (32) 388; (33) 190.
Chrysomphalus—	treatise, (29) 190; (32) 388; (33) 190.
aonidum (ficus), see Florida red scale.	Churning—
aurantii, see Orange scale and Red scale.	in Danish creameries, (28) 776.
dictyospermi—	relation to milk fat globules, (26) 477.
in California, (35) 658.	Churns, notes, (27) 792.
minor, coccinellid enemy, (39) 767.	Churns, tests, (34) 590.
mycosis of, (36) 755.	Chutes, frictional resistance in, (30) 885. Chutneys, recipes, (32) 560.
natural enemies, (39) 566.	Chyliza persicorum, notes, (30) 757.
notes, (32) 56.	Chymase in Solanum elaeguifolium, (36) 412.
on castor bean, (40) 453. parasites of, (38) 467.	Chymology, physiological and pathological, trea-
pinnulifera, remedies, (34) 552; (36) 754.	tise, (31) 265.
remedies, (36) 655.	
variation in, (38) 460.	Chymosin— and pepsin, identity, (26) 107.
varieties, (37) 462.	corretion by ground onimals (20) 665
paulistus in Brazil, (40) 165.	secretion by young animals, (29) 665. Cibotium chamissol, analyses, (29) 270.
spp., notes, (31) 58.	
spp., remedies, (30) 355.	Cleada-
tenebricosus, see Gloomy scale.	cinctifera, notes, (28) 853.
Chrysomyia—	net-wingéd, on ólívé, (38) 157. periodical—
macellaria, see Screw-worm.	
megacephala, notes, (29) 482. rufifacies in Hawaii, (40) 263.	in 1919, (40) 754.
rufifacies in Hawaii, (40) 263.	Ohio, (35) 658; (37) 258. West Virginia, (35) 657. western New York, (37) 257.
Chrysomyxa—	western New York (37) 257
abietis, studies, (85) 155.	life history and bionomics. (34) 754.
rhododendri, studies, (35) 155.	notes. (26) 753, 856; (27) 755; (28) 157, 752;
sp., new to North America, (37) 757.	(29) 793: (30) 657: (31) 59, 351: (34) 752:
sp., new to North America, (37) 757. spp. on conifers in Scotland, (32) 844.	(36) 856: (39) 762.
	on Staten Island, (28) 655.
weirii n.sp., description. (39) 254.	Western New York, (87) 257. life history and bionomics, (34) 754. notes, (26) 753, 856; (27) 755; (28) 157, 752; (29) 793; (30) 657; (31) 59, 351; (34) 752; (38) 856; (39) 762. on Staten Island, (28) 655. popular account, (40) 549.
Chrysopa—	Cicadas—
californica—	
destructive to citrus plant lice, (28) 755.	in United States, (36) 551. notes, (29) 558.
notes, (28) 250, 457; (29) 261.	of Mississippi, (40) 856.
parasitic on red spider, (32) 157.	Cicadellidae—
studies, (35) 758.	of Missouri, (37) 157.
oculata, notes, (32) 654. or golden-eyed fly, notes, (37) 156.	of Wisconsin, (37) 781.
vulgaris, notes, (27) 862.	Cicadidae of Japan and Formosa, (38) 264.
Chrysophagus compressicornis, notes, (31) 757.	Cicadula 6-notata
Chrysophana placida as a household pest, (37) 854.	life history, (35) 553.
Chrysophanus dispar, notes, (38) 562.	life history, (35) 553, notes, (27) 858; (33) 356.

Cicer—	Cinchona—Continued.
arietinum—see also Chick peas.	industry in Netherlands East India, (34) 239.
acid secretion of, (34) 525. analyses, (30) 558; (31) 258; (38) 368, 572.	mopo disease, (34) 749; (36) 145.
anatomical structure, (31) 314.	red mite of, (40) 656. treatise, (33) 343.
as a green manure for rice, (37) 824.	white root fungus, (39) 858.
culture, (32) 226.	Cinchonidin, methods of analysis, (37) 113.
culture experiments, (27) 336.	Cineol from black sage, (33) 202.
eulture in India, (36) 635. for pigs, (28) 364.	Cinnamic aldehyde—
loss in weight after harvesting, (38) 635.	determination in cinnamon, (40) 15.
nodule formation, (38) 528.	preservative action, (26) 157. Cinnamomum—
seed position in planting, (40) 635.	camphora—
water requirements in India, (27) 429.	culture and preparation, (27) 442.
culture experiments, (28) 633.	insect enemies of, (31) 849.
Cichorium intybus, see Chicory. Cicindelidae of Indiana, studies, (39) 767.	oliveri, essential oil of, (36) 611. Cinnamon—
Cicinnobolus—	disease, notes, (35) 153.
abelmoschi n.sp., description, (26) 446.	effect on microorganisms, (35) 557.
bremiphagus n.sp., description, (30) 240.	germicidal effect, (36) 863. ground, analyses, (29) 462.
sp., parasitic on apple mildew, (31) 544.	ground, analyses, (29) 462.
Cicuta—	ground, distribution of sand in, (26) 564.
description, (32) 474. maculata, eradication, (27) 733.	preservative value, (38) 469. Cinquefoil, shrubby, notes, (29) 741.
sp., notes, (32) 778.	Cintractia sorghi vulgaris—
spp., chemistry and toxicology, (34) 185.	inoculation of Guinea corn, (31) 644.
toxicity, (30) 880. vagans, description, (39) 386.	studies, (38) 850.
vagans, description, (39) 386.	Cioldae—
Cicutin hydrobromid, use against tetanus, (37) 79.	catalogue, (26) 560. of America north of Mexico, (38) 768.
alcohols in. (39) 113	Cionus scrophulariae, life history, (26) 452
alcohols in, (39) 113. analyses, (32) 207; (38) 114. apple jelly, manufacture, (39) 808; (40) 414. as affected by preservatives, (30) 665. changes in during fermentation and storage, (37)	Cionus scrophulariae, life history, (26) 452. Circular scale, notes, (28) 854.
apple jelly, manufacture, (39) 808; (40) 414.	Circumnorizontal are, (35) 618.
as affected by preservatives, (30) 665.	Cirina butyrospermi, notes, (28) 555.
changes in during fermentation and storage, (37)	Cirphis unipuncta, see Army worm.
716; (38) 365. chemistry and biology of, (29) 116.	Cirrhencyrtus n.g., erection, (40) 359. Cirrospiloideus guamensis n.sp., description, (31) 62
clarifying with casein (26) 26	Cirrospilopsis sp. from Maryland, (38) 565.
clarifying with casein, (26) 26. defective, utilization, (40) 116. fermentation as affected by cold, (27) 461.	Cirrospilus—
fermentation as affected by cold, (27) 461.	flavoviridis n.sp., description, (30) 661.
from Minnesota apples, (39) 316.	ovisugosus n.sp., description, (34) 363.
industry in England, (37) 416.	Cirus—
manufacture (33) 200: (38) 806 (40) 116 808	bands and the aurora, (34) 117. directions at Melbourne, (35) 116.
from Minnesota apples, (39) 316. industry in England, (37) 416. industry in Uruguay, (32) 744. manufacture, (33) 209; (38) 800, (40) 116, 808. manufacture, new methods in, (29) 798.	Cirsium—
of lower Seine regions, composition, (30) 16. press pulp, studies, (34) 256. quality as affected by apple stock, (33) 240.	arvense, analyses and feeding value, (33) 70.
press pulp, studies, (34) 256.	arvense, root system, (37) 542.
quality as affected by apple stock, (33) 240.	spp., geographical distribution, (26) 335.
sickness, (26) 512; (28) 114; (29) 208. sickness, treatment, (35) 717.	Cisidae of America north of Mexico, (38) 768. Cissus laciniata and Opuntia blakeana, structural
single-variety, analyses, (35) 717.	relationship, (28) 332.
studies, (40) 414.	Cisthene, new, of North America, (37) 564.
vinegar—	Citellus—
adulteration, detection, (27) 613.	beecheyi-
composition, (28) 361.	and subspecies, control, (38) 456. new microfilaria from, (26) 653.
manufacture from pure apple juice, (30) 16. standards, notes, (26) 117.	tuberculosis in, (26) 484.
Cienfuegosia, glands of, (39) 431.	chrysodeirus, susceptibility to plague (26) 59.
Cigar—	columbianus, immunity to spotted fever, (31)
ashes, analyses, (38) 626.	160.
case bearer, notes, (26) 146.	elegans, notes, (28) 450; (30) 249.
molds, (31) 613; (35) 749. Cigarette beetle—	spp., in Colorado, (28) 652. Citral—
as affected by Roentgen rays, (29) 359; (35) 554;	determination, (39) 716.
(37) 359.	determination in essential oils, (28) 114.
in Dutch East Indies, (40) 170, 854.	Citranges—
in Philippines, (29) 458.	and citrandarin, susceptibility to canker, (39)
life history nad remedies, (38) 62; (39) 565.	857. culture experiments, (28) 235.
notes, (26) 453, 856; (31) 249. predactous enemies of, (29) 359.	culture in southern Texas, (32) 367, 539.
studies, (40) 758.	paper on, (29) 839.
Cimber americana, notes, (28) 554.	resistance to cold (39) 843.
Cimex—	Citrates—
boueti, biology, (30) 547. lectularius, see Bedbugs.	action on isolated intestine, (37) 471. toxic action, (40) 465.
pipistrilli, relation to trypanosominsis of bats,	Citric acid—
(33) 552.	assimilation by plants, (31) 426.
rotundatus, relation to kala-azar, (28) 655;	decomposition by sunlight, (30) 431.
(37) 357.	determination, (26) 509; (36) 317.
spp., transmission of trypanosomes by, (30) 853.	determination in— citrates and lemon juice, (31) 612.
studies, (34) 857. Cimicifuga, insecticidal value, (31) 350.	fruit. (27) 497; (32) 297.
Cinchona—	fruit, (27) 497; (32) 297. milk, (36) 415.
alkaloids disinfacting action (40) 478	presence of other acids, (28) 806; (31) 714.
alkaloids, identification, (39) 506.	tomato products, (26) 25.
culture, (36) 538; (38) 542.	effect on— bacterial flora of soils, (28) 815.
alkaloids, identification, (39) 506. culture, (36) 538, 383 542. culture in Javs. (38) 543. diseases, notes, (37) 844. gray root, notes, (37) 352. industry in India, (27) 347.	bread fermentation, (27) 268.
gray root, notes, (37) 352.	carbon assimilation of plants, (27) 525.
industry in India, (27) 347.	fungi, (28) 444.

Citric acid—Continued.	Citrus—Continued.
effect on—continued.	die-back—
germination of seeds. (36) 29.	cause, (31) 450.
nitrification in soils, (28) 218.	cause and treatment, (38) 151.
nitrification in soils, (28) 218. extraction with ether, (37) 414.	in Queensland, (33) 56.
fermentation in milk, (26) 112. formation from glycerin by fungi, (30) 805.	notes, (27) 344. studies, (29) 237, 248.
from limes and lemons, (33) 540.	Diplodia diseases, (39) 152.
in wines, (32) 613; (36) 808.	***
in wines, (32) 613; (36) 808. methods of analysis, (27) 205.	and posts, relation to Argentine ant, (39)
solubility of mineral phosphates in, (30) 721.	155.
toxicity, (28) 661. Citricola scale—	in Florida, (40) 158.
control, (39) 461, 463.	Isle of Pines, (34) 446. Jamaics, (35) 458.
notes, (34) 255.	Porto Rico, (35) 748; (37) 246; (40) 47, 52.
studies, (33) 558.	West Indies, (37) 452.
Citriculture, summer practice course in, (34) 292.	Western Australia, (33) 846. notes, (26) 549; (27) 50, 750; (29) 350; (31) 152,
Citromyces— glaber, proteolytic activity, (40) 721.	244, 645, 646; (37) 656; (39) 56, 149, 753
n.spp., descriptions, (27) 543.	(40) 155.
siderophilus, notes, (27) 527.	studies, (27) 50, 350; (32) 238; (33) 55, 149,
spp., behavior in iron solutions, (27) 527.	549, 649; (34) 446; (35) 849; (39) 457.
spp., notes, (28) 562. spp., relation to Penicillium, (38) 448.	fruit—
spp., studies, (29) 547.	juices, analyses, (31) 461. uices, preparation, (33) 316.
Citron—	juices, preparation, (33) 316. rot, investigations, (32) 346.
candied, analyses, (26) 157.	rot, notes, (31) 750.
candled, labeling, (27) 269.	rots, descriptions and treatment, (28) 245.
dried, preparation and use, (29) 462. food plant of portable scale, (26) 756.	stain, notes, (34) 354. fruits—see also Lomons, Oranges, etc.
preserving, calcium content, (39) 747.	abnormal water relations, (37) 834.
Citronella—	action of vanillin and limestone on, (37) 656
grass—	Argentine fly on, (40) 758.
fertilizer experiments, (36) 332. insects affecting, (28) 249.	fruits as affected by—
insects affecting, (28) 249.	freezing, (40) 247, 539. kerosene oil and alcohol, (27) 145.
residue, analyses and fertilizing value, (30)	oil insecticides, (29) 354.
oil, production, (36) 417.	fruits—
Citronellal, determination in essential oils, (28) 114.	asexual reproduction of seeds, (31) 533.
Citro-phosphate solutions, nature of, (32) 115.	bibliography, (26) 441; (28) 742.
Citropsis spp., studies, (30) 643.	hreeding (27) 441
Citrullus—	bibliography, (26) 441; (28) 742. blemishes, notes, (26) 549. breeding, (27) 441. bud variations in, (36) 538.
spp., analyses and digestibility, (27) 871.	budding, (32) 143.
vulgaris, analyses and digestibility, (32) 167. vulgaris, notes, (29) 362.	budding and grafting, (39) 243.
	budding, (32) 143. budding and grafting, (39) 243. changes in during ripening, (29) 641.
anthracnose, notes, (29) 650.	cost of production (37) 144
aphis. notes. (26) 755.	cotton stainer injury, (40) 353. cover crops for, (33) 535; (34) 344, 736. cull utilization, (37) 313. culture, (35) 542, 840; (37) 345; (38) 40, 446.
aphis, notes, (26) 755. Armillaria root rot, (39) 152. aurantium, betains in, (27) 204. aurantium, isolation of stachydrin from, (28)	cover crops for, (33) 535; (34) 344, 736.
aurantium, betains in, (27) 204.	cull, utilization, (37) 313.
aurantium, isolation of stachydrin from, (26)	culture, (35) 542, 840; (37) 345; (38) 40, 446.
hacterial disease, new, studies, (37) 153, 154.	fruits, culture— experiments, (27) 744; (28) 142; (31) 441; (38)
bacterial disease, new, studies, (37) 153, 154. bacterial spot, studies, (38) 552, 553.	845.
park disease in Florida, (35) 850.	in Brazil, (36) 241, 743.
bark rot, studies, (35) 249. black—	Florida, (33) 642.
blight, notes, (30) 746.	Gulf States, (29) 542. Japan, China, and Formosa, (37) 834.
fly, see Aleurocanthus woglumi.	lower Rio Grande Valley, (26) 47.
fly, see Aleurocanthus woglumi. scale, remedies, (39) 461.	New South Wales, (33) 841.
spot and brown spot, treatment, (37) 352.	Philippines, (30) 644; (34) 635; (37) 745. Spain, (32) 236.
blast in California, (39) 252. blast, notes, (38) 354.	Spain, (32) 236. Surinam, (38) 43.
blast, studies, (37) 153.	Transvaal, (37) 545.
butterfly, notes, (34) 851.	treatise, (30) 444.
canker—	fruits—
cause, (33) 149.	cytological and experimental studies, (28)
control, (39) 56, 252, 253, 458, 857. control in Florida, (36) 52, 352; (37) 556. control in Porto Rico, (33) 441.	524. dying in Queensland, (35) 654.
control in Porto Rico, (33) 441.	enemics of (28) 352
description, (35) 656. eradication, (37) 556.	fertilizer experiments, (27) 344, 350, 841; (29 237, 637; (31) 634, 723, 742; (33) 24, 48, 241 535, 642; (35) 448, 839; (36) 139; (37) 43
eradication, (37) 556.	237, 637; (31) 634, 723, 742; (33) 24, 48, 241
identification, (36) 352. in Alabama, (33) 248.	649; (39) 448.
Florida and the Gulf States, (33) 149.	fertilizer needs in Porto Rico. (40) 44.
Philippines, (36) 651; (37) 745.	fertilizers for, (36) 743; (38) 144.
South Africa, (37) 657.	fertilizers for, (36) 743; (38) 144. freeze injury, (39) 448, 843.
inoculation experiments, (37) 843.	irost damage in transit, (37) 649.
n.sp., description, (33) 149. notes. (32) 53. 245. 548: (34) 649. 848: (37) 556.	frozen, greening, (28) 662. frozen, separation by floating, (30) 206.
notes, (32) 53, 245, 548; (34) 649, 848; (37) 556, 657; (39) 152, 850, 864; (40) 349. quarantine in United States, (36) 245.	frozen, separation by floating, (30) 206. fumigation, (31) 550; (37) 634; (40) 855.
quarantine in United States, (36) 245.	iumigation in Spain, (28) 754.
resistance of tangelos to, (40) 247. studies, (31) 54; (32) 345; (34) 447; (35) 152, 550, 850; (36) 850, 851; (37) 656, 843; (39) 253, 457, 458, 757, 857; (40) 544, 851.	green manuring experiments, (39) 31
SEUCIES, (31) 54; (32) 345; (34) 447; (35) 152,	handling, (32) 234.
253, 457, 458, 757, 857; (40) 544, 851.	fruits, handling— and packing, (39) 545.
chlorosis, description, (28) 850.	and shipping, (34) 235.
chlorosis, description, (28) 850. collar rot, notes, (40) 748. crown gall, (28) 447.	and shipping, (34) 235. and storing, (31) 338.
crown gall, (28) 447.	in Italy, (26) 47.

Citrus—Continued.	Citrus—Continued.
fruits— improvement, (28) 541, 736; (37) 144; (39)	melanose—Continued. studies, (28) 651; (31) 750; (39) 56, 457.
447, 448, 845. improvement by bud selection, (32) 439;	treatment, (37) 656. mildew, notes, (34) 649.
(34) 740. in India, (28) 754.	mite, description, (36) 261. mites, notes, (32) 557.
industry, cooperation in, (38) 43. industry in California, (30) 197; (39) 846. industry in Porto Rico, (32) 745.	mitis as a stock for cultivated citrus, (32) 143.
industry in Porto Rico, (32) 745.	mosaic disease or mottling, studies, (35) 745. mottled leaf, notes, (34) 353.
insects affecting, (26) 553, 858; (27) 453; (28)	mottled leaf, studies, (28) 850; (30) 51; (35) 754; (37) 352, 353.
457, 754; (30) 853; (31) 751; (32) 56; (33) 353, 746; (34) 60, 349, 449, 652; (35) 355.	nursery stock diseases, notes, (34) 240. pest, new, (40) 169.
657; (36) 457, 754; (37) 255; (38) 459, 460;	plant lice, natural enemies of, (26) 755. pollen, long-distance shipment of, (34) 43.
industry in Porto Rico, (32) 745. injury from limestone, (39) 458. insects affecting, (26) 553, 853; (27) 453; (28) 457, 754; (30) 853; (31) 751; (32) 56; (33) 353, 746; (34) 60, 349, 449, 652; (35) 355, 657; (36) 457, 754; (37) 255; (38) 459, 460; (39) 59, 155, 160, 461, 557, 767; (40) 853. inspection in Florida, (36) 467, 864. irrigation, (33) 779; (35) 787; (36) 784; (37) 319; (39) 591. irrigation experiments, (36) 841; (37) 186.	
319; (39) 591.	ranch employees, housing, (39) 795. red spider in Oregon, (28) 859.
irrigation experiments, (36) 841; (37) 186. irrigation, overhead, (27) 788.	red spider, remedies, (29) 459. root diseases, notes, (32) 442.
irrigation, overhead, (27) 788. law of Florida, (28) 196; (30) 740. lightning injury, (37) 856.	ranch employees, housing, (39) 795. red spider in Oregon, (28) 859. red spider, remedies, (29) 459. root diseases, notes, (32) 442. root nematode, (28) 850; (31) 449. rust mite, life history and habits, (28) 457.
ime-magnesia requirements, (28) 320.	SCAD 5.3r
marketing, (38) 595. methods and cost of distributing, (34) 835.	cause, (37) 556. in Porto Rico, (38) 454. notes, (28) 246; (29) 242; (31) 750.
monograph, (35) 448. mulched basin culture, (39) 448.	notes, (28) 246; (29) 242; (31) 750. studies, (27) 653.
mulching experiments, (34) 740; (36) 841. nematode affecting, (33) 550.	treatment, (40) 52.
new genus, from Australia, (34) 235.	scale— gray, remedies, (40) 454.
new, paper on, (29) 839. nitrogen nutrition, (37) 318, 353.	parasites as affected by sprays, (40) 52. remedies, (38) 58.
notes, (29) 235. nursery stock, bench rooting of, (33) 540.	scaly bark, new fungus of, (26) 145.
oxidases in, (31) 826. peeling machine for, (36) 416.	scaly bark, notes, (37) 846. seedlings as affected by irrigation water, (34)
production and commerce in, (31) 48.	235. soils, fertilization, (29) 317.
protection against frost, (27) 414, 509; (29)	sooty mold, remedies, (36) 754. sour rot, notes, (37) 843.
ratio of solids and acids, (39) 49.	sour scab, studies, (36) 352. stem-end rot—
protection against frost, (27) 414, 509; (29) 542; (32) 541; (33) 48; (35) 537. ratio of solids and acids, (39) 49. scale insects affecting, (29) 654. seed formation in, (32) 236.	cause, (28) 549.
spotting of, (35) 50, 144. spraying, (37) 460.	distribution, (38) 757. notes, (26) 449; (30) 841; (31) 750.
spotting of, (35) 50, 144. spraying, (37) 460. stocks for, (33) 736; (35) 144. susceptibility to Mediterranean fruit fly,	notes, (26) 449; (30) 841; (31) 750. prevention, (39) 252, 253. studies, (28) 651; (29) 247.
(32) 655. treatise, (33) 441.	thrips—
variations and hybridization in. (31) 48.	notes, (29) 453. remedies, (33) 354.
varieties, (28) 533; (38) 40. wild and cultivated, (39) 142.	studies, (38) 763. summary of information, (40) 649.
galls, notes, (28) 651. gray mold or Botrytis disease, studies, (35) 152.	trees-
grove soils, studies, (39) 421. groves—	frosted, pruning, (29) 542. fumigation, (39) 161, 463.
Argentine ant in. (39) 155.	old. renewing, (35) 343. phosphorus content of soils under, (39) 421.
cost of smudging, (29) 339. intercropping, (39) 47.	spraying in Florida, (39) 160. trifoliata, asexual reproduction of seeds, (31)
lightning injury, (40) 645. plowsole in, (40) 417.	533, vegetation as affected by cement dust, (35) 313.
gum diseases, notes, (27) 546.	white fly, see White fly, citrus.
gummosis— description, (34) 353.	withertip— description, (30) 746.
in California, (31) 449. induced by chemicals, (31) 449, 749.	notes, (34) 354; (37) 453. studies, (28) 749.
notes, (28) 246; (37) 846; (39) 253, 653. studies, (29) 247; (30) 749; (37) 656.	wood rot, description and treatment, (38) 51. City persons who desire to farm, suggestions for, (31) 787.
notes, (28) 245; (37) 340; (39) 253, 653. studies, (29) 247; (30) 749; (37) 656. treatment, (27) 40; (33) 55. heart rot, treatment, (33) 55. hybrids, studies, (26) 441.	(31) 787. City refuse, utilization, (28) 224.
hybrids, studies, (26) 441.	Cladius pectinicornis, parasite of, (29) 359.
ichangensis latipes, description, (29) 840.	graminis, description and treatment, (29) 751.
japonica, monograph, (31) 48. knot disease, investigations, (27) 652.	mauryi n.sp., description, (32) 346. ollivieri n.sp., description, (32) 346.
knot, notes, (36) 846; (37) 839. leaf disease, notes, (37) 453. leaf miner, notes, (33) 655. mal di gomma, studies, (33) 550. malnutrition diseases, investigations, (31) 237.	Cladophora sp., carotinoid content, (31) 803. Cladosporium—
leaf miner, notes, (33) 655.	brunneoatrum, notes, (27) 350.
malnutrition diseases, investigations, (31) 237.	brunneoatrum, treatment, (33) 149. carpophilum—
control. (34) 255; (37) 158.	description, (35) 654. dusting experiments, (39) 55.
natural enemies of, (26) 149. notes, (29) 652; (32) 56; (38) 464. studies, (34) 162.	infection of peaches with, (31) 449. notes, (30) 537; (36) 649, 751; (38) 550; (40) 53.
studies, (34) 162. medici, culture in California, (40) 246.	studies, (36) 545.
melanose— description and history, (40) 158.	eitri— in Porto Rico, (39) 56.
description and history, (40) 158. distribution, (38) 757.	notes, (27) 350; (28) 246; (30) 47; (31) 589; (34) 446; (36) 348; (37) 556; (40) 47, 52.

Cladosporium—Continued.	Clay—Continued.
citri—continued.	deposits in Virginia coastal plain, (29) 513.
on grapefruit, (35) 748. studies, (27) 653; (36) 353.	determination in soils, (27) 7.
cucumerinum—	distribution in soils (28) 28
notes, (32) 641; (35) 246, 750. studies, (36) 248; (38) 449.	determination in soils, (27) 7. determination of fineness, (30) 422, 817. distribution in soils, (28) 28. drainage tile, tests, (20) 685.
studies, (36) 218; (38) 449.	enect of inteness on su engin of mortal, (55) 161.
virulence, (37) 840.	effect on loamy land, (20) 19.
disease on sorghum, (33) 515. epiphyllum, parasitism, (32) 640.	flocculation by soluble salts, (27) 620.
fulvum-	plasticity, (27) 499; (28) 29.
description, (26) 849; (27) 249; (30) 50	plasticity and cohesion, (30) 211.
notes, (26) 649; (27) 651; (31) 644; (34) 841.	plasticity and origin, (35) 16.
resistance of tomatoes to, (33) 247. studies, (39) 854.	now reaction for, (33) 610. plasticity, (27) 499; (28) 29. plasticity and cohesion, (30) 211. plasticity and origin, (35) 16. plasticity, measuring, (33) 811. red boulder of Netherlands, studies, (26) 813.
treatment, (26) 849; (30) 50, 244; (35) 350.	red saline, composition, (27) 619.
fulvum violaceum—	rôle of microorganisms in formation, (27) 619.
n.var., description, (30) 749. notes, (31) 748.	studies, (35) 211.
studies, (32) 148.	suspensions— coagulation by electrolytes, (31) 618.
graminum-	formation of layers in, (39) 420.
affecting wheat seed, (31) 148.	Clays, native, white and color washing with, (26)
notes, (37) 553.	189.
studies, (30) 846.	Cleaning fluid, effect on germination of seeds, (28) 820.
agave-echeveria, notes, (32) 149.	Clematis—
citricolum n.var., description, (26) 145.	stem rot, studies, (33) 650.
in frozen reindeer meat, (30) 761.	stem rot and leaf spot, studies, (31) 347; (34) 249.
notes, (27) 763; (28) 659; (29) 161, 243, 845; (31) 317, 542, 844; (32) 644, 843; (33) 146;	vitalba, chemical constituents of, (32) 711.
(02) 011, 012, 011, (02) 011, 010, (00) 110,	Clemson College, notes, (26) 194, 495, 696; (27) 199, 800; (29) 98, 399; (30) 398, 600, 900; (31) 198; (32) 600;
penetration of egg shells by, (29) 765.	(34) 199; (36) 197, 696, 899; (37) 300; (38) 98, 499, 800;
relation to citrus gummosis, (29) 247.	(40) 398.
relation to iodin compounds, (29) 133.	Cleome— integrifolia, geographical distribution, (26) 335.
source of nitrogen for, (27) 226. studies, (26) 749; (38) 849. toxicity to bess, (38) 564.	rubella, analyses and digestibility, (27) 871; (32)
toxicity to bees, (38) 564.	167.
laricis, notes, (29) 156.	Cleonus—
paeoniae, notes, (33) 56. sp., notes, (31) 646.	calandrocides, notes, (29) 761.
sp. on chrysanthemums, (31) 844.	canescens, notes, (28) 161. mendicus, notes, (36) 355.
sp. on tea, (38) 354.	sparsus, notes. (32) 031, 032.
spp., studies, (30) 349.	spp., notes, (35) 364.
Syringae n.sp., description, (37) 550. Cladostephu sverticellatus, analyses, (37) 814.	Cleonymidae of Australia, (39) 154. Cleora pampinaria, see Cranberry spanworm.
Orgin.	Cleptomyces—
beds, inspection in New Jersey, (28) 862.	lagerheimianus, n.comb., (40) 133. n.g. from the Andes, (40) 133.
chowder, examination, (31) 659. shells, crushed, analyses, (36) 27.	Clerada apicicornis sucking blood, (38) 557.
Clams—	Clianthus dampieri, hybridization experiments,
canned, industry in United States, (31), 67.	(26) 834.
creatin and creatinin content, (31) 760. culture, (27) 472.	Click beetle, spotted, studies, (33) 63. Climate—see also Meteorology.
examination, (26) 868; (28) 166; (31) 64; (32) 854;	and cropping systems, correlation, (34) 603.
(36) 159.	plant growth at different elevations, (39)
handling and marketing, (31) 63. preparation for market, (32) 357.	plant growth relationship (30) 16
sewage-polluted, danger from, (27) 866.	plant growth, relationship, (30) 16. sun spots, correlations, (40) 416.
soaking in fresh water, (26) 868	types of farming, (40) 116. weather, treatise, (28) 211.
transmission of diseases by, (30) 368. Clania variegata, notes, (31) 849.	weather, treatise, (28) 211.
Clark Fork of Columbia River, hydrography, (32)	as a factor in pollination of grasses and legumes, (37) 735.
279.	
Clasterosporium—	as affected by— forests, (29) 642, S42; (30) 743; (31) 716. reservoirs, (27) 509. surface slope, (27) 616. volcanic dust, (29) 720; (32) 509; (33) 806. changes in, (30) 815; (31) 20, 509, 510, 717; (32) 118; (33) 19; (34) 14; (35) 14, 210, 619; (37) 15; (38) 15, 415, 718
amygdalearum, notes, (28) 443. carpophilum, notes, (35) 454.	roservoirs, (27) 509.
degenerans, notes, (37) 652.	volcanic dust. (29) 720; (32) 509; (33) 806.
maydicum n.sp., notes, (37) 148. putrefaciens, notes, (34) 350; (35) 245.	changes in, (30) 815; (31) 20, 509, 510, 717; (32)
Clastoptera spp., life history, (36) 458.	118; (33) 19; (34) 14; (35) 14, 210, 619; (37) 15;
Olathrus sp., notes, (27) 749.	(38) 15, 415, 718. changes in, treatise, (32) 417.
Clausena lansium, description, (32) 742.	effect on-
Claviceps-	agriculture, (36) 417; (37) 209; (39) 317.
life history and poisonous properties, (36)	agriculture in California, (34) 114. agriculture in Gormany, (27) 617; (29) 811.
449.	
poisoning in cattle, (39) 891.	burning quality of tobacco, (38) 239.
toxicity, (34) 676. purpures—	burning quality of tobacco, (38) 239. cattle ticks, (26) 458; (28) 758. composition of plant oils, (37) 418.
infection experiments, (28) 546.	composition of wheat, (26) 133; (29) 834, 835;
infection experiments, (28) 546. notes, (31), 539; (33) 146; (34) 845. on Manitoba wheat, (40) 849.	(30) 440; (37) 38.
on Manitopa Wheat, (40) 849.	crop systems and form operations, (34) 308;
on oats, (27) 149. selerotia, toxleity, (36) 179. Olay—see also Soils, clay. analyses, (28) 215. as affected by hydroxyl ions, (31) 216; (32) 318.	(38) 414. cultivated crops. (33) 825.
Olay—see also Soils, clay.	cultivated crops, (33) 825. flowering of plants, (28) 429.
analyses, (28) 215,	growth of date baims, (31) 326.
colloidal, notes, (34) 816.	mineral content of feeds, (28) 364. Oenothers, (28) 733. pecans, (34) 151.
colloidal, notes, (34) 816. colloids in, (30) 718, 807; (32) 318.	pecans, (34) 151.
composition, (27) 409.	protein content of wheat, (30) 836.

Climate—Continued. offect on—continued.	Climate—Continued. relation to—continued.
onect on—continued. quality of sugar beets, (28) 43. soil temperature, (34) 319. soils, (31) 214; (35) 210. tree growth, (37) 450, 837. yield of corn, (28) 433. of Abyssinia, (33) 807. Africa, (26) 715. Alaska, (35) 295. America, types of, (30) 814.	sun spots, (28) 211; (38) 114.
soil temperature, (34) 319.	tropical agricultural zones, (26) 118.
tree growth (37) 450, 837	tropical agriculture, (30) 317. volcanoes, (29) 720, 721.
yield of corn, (28) 433.	soils, and plant growth, relationship, (26) 516.
of Abyssinia, (33) 807.	treatise, (39) 16.
Alaska. (35) 295.	weather, element in study of, (33) 807. Climates—
America, types of, (30) 814. Anne Arundel Co., Maryland, (39) 419.	of the earth, (28) 414.
Anne Arundel Co., Maryland, (39) 419.	past and present, of crop plants, (40) 616.
arid America, changes in, (31) 509. Australia, (28) 27; (30) 511; (32) 118, 718, 811. Belle Fourche reclamation project, (40) 314.	Climatic— areas of United States, (29) 719; (30) 118.
Belle Fourche reclamation project, (40) 314.	charts of Savannah, (27) 316.
California, (31) 212, 213	conditions and plant distribution in United
British Columbia, (31) 316. California, (31) 212, 213. Canada, (32) 25, 510; (34) 208; (38) 618. Chicago, (32) 211.	States, (28) 212. cross-sections of United States, (28) 716.
Chicago, (32) 211.	forest formations of Cape Breton Island, (40)
cities as affected by artificial heating, (26) 214.	gradient, investigations, (26) 821.
city and country, (27) 316.	index for plants, (35) 732; (36) 824; (38) 627.
Cuba, (38) 319. Duluth Minnesote (31) 718.	phenomena, frequency curves, (36) 718. provinces of western United States, (32) 315.
Duluth, Minnesota, (31) 718. Dutch East Indies. (30) 697.	subdivisions of United States, (32) 14, 413.
East Friesland, (30) 321.	zones, shifting of, (30) 416.
Egypt, (34) 413. England and Wales, (30) 510.	Climatological—
England, variations in, (27) 510.	averages, notes, (28) 415. data, see Meteorological observations.
France, (36) 510.	investigations, geographical aspects, (32) 315. summaries, (29) 121.
France and Belgium, (38) 511. Hertfordshire, (34) 320.	Summaries, (29) 121.
nigrariegi rimag (XV) 418	Chmatology— in Belgium, (30) 17. of coffee district of Sao Paulo, Brazil, (20) 810.
Honolulu, (26) 614.	of coffee district of Sao Paulo, Brazil, (26) 810.
Iowa, (28) 316.	Philippines. (26) 318.
Honolulu, (26) 614. Illinois, (39) 318. Iowa, (28) 316. Long Island, (38) 209. Michigan, (39) 320. Mineracto (28) 209	Colorado, (28) 25; (39) 719. Philippines, (20) 318. Quebec, (34) 715. State College, Pennsylvania, (35) 507. United States, (31) 212, 415, 615.
	State College, Pennsylvania, (35) 507.
Missouri, changes in, (26) 237.	relation to fruit culture and agriculture, (29) 15.
Missouri, changes in, (26) 237. Montana, (32) 510; (36) 894. New South Wales, (32) 316.	résumé. (28) 414.
New South Wales, (82) 310. New South Wales, relation to soils, (26) 216.	station of Juvisy, report, (27) 211. temperature coefficients in, (30) 117.
Now South Wales, relation to soils, (26) 216. New York in relation to agriculture, (32) 118.	tex 5000k. (20) 013.
New Zealand, (31) 21; (33) 807; (35) 210. 1912, (28) 716.	use in agriculture, (26) 613. Climbers, woody, culture (31) 140.
North America, fluctuation, (28) 315.	CHITE OF GC G COMO TO THE THE THE TOTAL (28) 789
northwest Minnesota, (33) 617.	Olinostat, multiple, description, (29) 421; (35) 431.
Ohio, (26) 715; (27) 211. Pavlovsk, (35) 719, 809.	Clisiocampa—see also Malacosoma and Tent cater- pillar.
Pennsylvania in 1682; (34) 414.	azteca, notes, (26) 348.
Porto Rico, (28) 414.	Clitocybe—
Prince George's Co., Maryland, (27) 116, 816.	gigantea, studies, (26) 446. infundibuliformis, hydrocyanic acid in, (26) 228.
Roumania, (35) 620.	thuilensis n.sp., notes, (37) 630.
rubber producing countries, (33) 509.	Clitoria cajanifolia—
Salt Lake City, (38) 319. San Diego, California, (31) 21.	as green manure, (36) 324.
San Francisco, (29) 415. Savoy, (35) 346.	as host plant of pink disease, (35) 155.
small areas, studies, (26) 516.	fertilizing value, (34) 34. Clivia, greenhouse disease of, (37) 353.
South Africa, changes in, (30) 815. southeast Russia, (36) 510.	Clonal varieties, inheritance in, (37) 240. Clonorchis sinensis, life history and morphology,
Southern peninsula of Michigan, (28) 422.	(34) 858.
State College, Pennsylvania, (34) 115.	Clonostachys sp., relation to potato stem lesions,
Switzerland, (38) 14.	(39) 649.
Tennessee. (35) 795; (38) 618.	cinctipennis, parasitic on pear slug. (26) 863.
Texas, (33) 788.	cinctipennis, parasitic on pear slug, (26) 863. formosus, studies, (28) 560.
southeast Russia, (36) 510. southern peninsula of Michigan, (28) 422. State College, Pennsylvania, (34) 115. Switzerland, (38) 14. Switzerland, treatise, (27) 15. Tennessee, (35) 795; (38) 618. Texas, (33) 788. the Far East, (30) 46. Utah, (20) 416; (29) 811. west Africa, (33) 807. western and equatorial Africa, (36) 208. Wisconsin, (28) 26.	n.sp. from California, (38) 565. n.spp., descriptions, (30) 59.
west Africa, (33) 807.	utahensis, notes, (39) 870.
western and equatorial Africa, (36) 208.	Clostridium—
Wisconsin, (28) 26. relation to—	butyrium in bread leaven, (35) 163.
agricultural production in Australia, (36)	gelatinosum, notes (29) 153. pasteurianum—
209.	decomposition of silicates by, (31) 121.
codling moth, (28) 415. crop adaptation in New Mexico, (40) 18.	fixation of nitrogen by, (38) 427.
crop centers. (39) 734.	in Russian soils, (38) 428. Cloth—
desert mountain vegetation, (36) 27.	examination, (30) 666.
farm management, (39) 615. horticulture, (29) 40.	making, textbook (40) 899.
plant distribution in United States, (40)	waste, analyses, (28) 523.
130. plant growth, (26) 429; (29) 719; (33) 116;	Clothes— louse, see Pediculus spp.
plant growth, (26) 429; (29) 719; (33) 116; (35) 328; (36) 809; (37) 15, 725.	moth, life history, (38) 657. moth, remedies, (27) 565; (32) 650; (33) 62; (39)
seasonal rainfail, (39) 511.	moth, remedies, (27) 565; (32) 650; (33) 62; (39) 762.
soil formation, (34) 514. soils, (30) 514.	moth, webbing, predactous, (38) 557.
• •	

Olothing—	Clover-Continued.
and health, textbook, (36) 396.	bur—continued.
disinfection, (32) 456.	mineral constituents, digestibility, (40) 769.
dissemination of typhoid fever by, (31) 68.	notes. (29) 299; (34) 139.
manual, (36) 497.	notes, (29) 299; (34) 139. seed, hastening germination, (32) 829.
notes, (32) 461.	studies, (28) 636.
problem in United States Navy, (34) 167.	varieties, (38) 32.
removal of stains from, (38) 114.	button, (35) 440. canker, notes, (28) 150, 517; (29) 150, 446, 447;
Oloud—	canker, notes, (28) 150, 517; (29) 150, 446, 447;
aurelia alto-cumulus, (34) 615.	(30) 618.
camera, description, (33) 717.	canker, studies, (27) 849. Chilian, notes, (31) 134.
shadow projection, paper on, (29) 510.	Chillan, notes, (31) 134.
tower, at San Juan, (36) 19. Cloudburst at Cooney, New Mexico, (26) 214.	classification of varieties, (27) 31. composition and digestibility, (27) 669.
Cloud durst at Cooney, New Mexico, (20) 214.	composition at different atoms (22) 221, (20)
Cloudiness in France, (35) 318; (36) 719.	composition at different stages, (32) 331; (39)
Clouds— effect on solar radiation, (28) 315.	836.
electric induction by (27) 816	cooperative experiments, (27) 430. cost of production, (29) 690; (32) 527, 688; (35)
electric induction by, (27) 816. formation during forest fires, (27) 816. mammato-cumulus, (27) 617, 816. scarf, (38) 209. significance in weather forecasting, (40) 416.	691.
mammato-cumulus. (27) 617, 816	cowgrass, notes, (30) 434.
scarf. (38) 209.	creatinin in, (26) 419.
significance in weather forecasting, (40) 416.	crimson—
snow and rain yield of, (32) 810. Cloudy condensation, nuclei, (38) 511, 811.	analyses, (31), 863.
Cloudy condensation, nuclei, (38) 511, 811.	analyses, (31), 863. as cover crop, (32) 431; (37) 833.
Clover—	as cover crop. (32) 431; (37) 533. forage crop. (33) 226. green manure, (32) 423; (37) 320; (40) 24. winter cover crop. (40) 133. culture, (27) 32, 337; (29) 633; (30) 138, 335; (31) 38; (32) 527; (34) 138. culture experiments, (28) 231, 735; (32) 132; (33) 33; (34) 227. culture in Porto Bico. (29) 631.
Alexandrian, notes, (35) 33.	green manure, (32) 423; (37) 320; (40) 24,
alsike—	winter cover crop, (40) 133.
analyses, (27) 35.	culture, (27) 32, 337; (29) 633; (30) 138, 335;
	(31) 38; (32) 527; (34) 138.
as meadow crop, (40) 136. guiture experiments, (28) 431; (32) 431. effect on following crop, (38) 337; (40) 623. following different crops, (40) 135, 624. for irrigated pastures, (39) 434; (40) 432. for wet lands, (37) 229.	culture experiments, (28) 231, 735; (32) 132;
leffect on following crop, (38) 337; (40) 623.	(33) 33; (34) 227.
following different crops, (40) 135, 624.	culture in Porto Rico, (29) 631.
for irrigated pastures, (39) 434; (40) 432.	fertilizing value (35) 125. following various crops, (40) 829.
for wet lands, (37) 229.	following various crops, (40) 829.
10063, (017 000.	germination, (39) 444. improvement, (37) 136.
self-sterility, (38) 426. varieties, (29) 139.	improvement, (37) 136.
Varieties, (29) 139.	inoculation experiments, (34) 138. liming experiments, (34) 132; (37) 428; (38)
variety tests, (40) 232. analyses, (28) 469.	liming experiments, (34) 132; (37) 428; (38)
analyses, (26) 409.	21.
and grass mixtures, tests, (37) 230; (40) 732.	'nitrogen residue of roots and stubble, (37)
fertilizer experiments, (40) 134.	radio-active fertilizers for, (31) 31.
seeding experiments (40) 931	Sclerotium wilt, (39) 52.
seeding experiments, (40) 231. yields, (40) 735.	sand harmester for (30) 202
anthracnose, resistance to, (39) 454.	seed harvester for, (39) 292. seed production, (32) 732.
aphis—	ntilization (31) 38
alternate hosts, (39) 464.	utilization, (31) 38. yields, (30) 134.
injurious to apples, (33) 253.	crown rot, notes, (28) 545.
notes (40) 649, 650	crown rot, notes, (28) 545. culture, (32) 132; (39) 834.
studies, (32) 755; (39) 360; (40) 354.	GITITITO
studies, (32) 755; (39) 360; (40) 354. yellow, studies, (32) 247.	experiments, (26) 422; (29) 631, 735; (30) 632; (32) 430, 528, 529, 530; (33) 33, 830; (34) 736; (35) 528; (36) 32; (37) 30, 131, 227, 529; (38) 132, 133, 229, 634, 825; (39) 124, 125, 217, 331, 335, 436, 437; (40) 735.
as affected by	(32) 430, 528, 529, 530; (33) 33, 830; (34) 736
smoke and flue dust, (26) 38. sulphur, (34) 540, 625; (38) 221.	(35) 528; (36) 32; (37) 30, 131, 227, 529; (38)
sulphur, (34) 540, 625; (38) 221.	132, 133, 229, 634, 825; (39) 124, 125, 217,
as an orchard shade crop, (35) 236.	331, 335, 436, 437; (40) 735.
cover crop, (32) 332.	for silage, (26) 574. in cotton belt, (32) 534. India, (37) 232.
iorage crop, (31) 829.	in cotton beit, (32) 534.
green manure, (30) 124; (38) 27; (39) 326, 816;	10018, (37) 232.
(40) 24,	Mexico, (30) 136
hom posture (20) 770: (40) 771	Mexico, (30) 138 North Carolina, (31) 132. sand hills of Nebraska, (35) 827.
hay erop, (39) 333, 337. hog pasture, (39) 779; (40) 771. pasture crop, (39) 130, 231, 434, 835. source of humus, (40) 724.	the Ozarks, (29) 428; (38) 217.
source of huming (40) 724	Washington, Oregon, and Idaho, (38)
assimilation of nitrogen by, (31) 523.	825.
bacteria, (39) 338.	manual, (29) 140.
bacteria as affected by acidity. (39) 722.	on Wisconsin drift soil, (36) 623.
bacteria as affected by nitrates, (39) 338.	under dry farming, (30) 435; (33) 632; (36)
beetle, European, in California, (37) 568.	ENO
source of humus, (40) 724. assimilation of nitrogen by, (31) 523. bacteria, (38) 338. bacteria as affected by acidity, (39) 722. bacteria as affected by nitrates, (39) 338. beetle, European, in California, (37) 558. bird-foot, as meadow crop, (40) 136. bird-foot, in grass mixtures, (37) 735. bird-foot, in grass mixtures, (37) 735. bitter, as a green manure, (34) 36. bloat, treatment, (33) 388, 698; (34) 581. blooms, structure, (33) 27. breeding experiments, (32) 532. breeding for disease resistance, (28) 746.	ounder irrigation, (33) 228. with fruit trees, (33) 534. cut, analyses, (26) 665; (28) 464; (29) 769; (34) 169 467; (38) 665; (40) 571. cutworm, notes, (27) 650. cutworm, studies, (29) 455. disease, new, description, (33) 346.
bird-foot, hydrogen cyanid in, (27) 30.	with fruit trees, (33) 534.
bird-foot, in grass mixtures, (37) 735.	cut, analyses, (26) 665; (28) 464; (29) 769; (34) 169
bitter, as a green manure, (34) 36.	467; (38) 665; (40) 571.
bloat, treatment, (33) 388, 698; (34) 581.	cutworm, notes, (27) 659.
blooms, structure, (33) 27.	cutworm, studies, (29) 455.
breeding experiments, (32) 532.	disease, new, description, (33) 346.
bur—	in Onio, (39) 754.
analyses, (28) 42.	in Ohio, (39) 754. in Russia, (36) 748. notes, (30) 351, 647; (31) 841; (35) 245; (39)
as cover crop, (32) 431. forage crop, (38) 827.	110,03, (30) 301, 047, (31) 341, (30) 240, (39)
graan manura. (39) 31.	532. studies (28) 746: (23) 547
green manure, (39) 31. pasture crop, (37) 533; (39) 231.	studies, (28) 746; (33) 547. drought resistance in, (30) 526.
CHIOFOIOTHI EXTRECT OL. (81) 71.	drying, (27) 669.
composition, (27) 668.	effect on—
composition, (27) 668. culture, (34) 138.	acid soils, (40) 620.
culture and uses, (28) 42.	companion crop of wheat, (32) 432.
culture experiments, (28) 231.	fruit trees. (26) 640.
culture for winter forage, (38) 735.	milk and butter, (34) 570. soil nitrogen, (27) 322; (29) 211.
digestibility, (27) 669; (37) 168. leaf spot of, (38) 450.	_ soil nitrogen, (27) 322; (29) 211.
ear spot or, (36) 450.	Egyptian, see Berseem.

Clover-Continued.	Clover-Continued.
electroculture experiments, (27) 231.	nectar secretion, (37) 633. nematodes affecting, (29) 151, 446. nitrogenous fertilizers for, (37) 133.
feldspar for, (40) 515.	nematodes affecting, (29) 151, 446.
628: (28) 325, 735: (30) 25, 820: (31) 430: (32) 322.	nodule bacteria of, (32) 33, 327.
629; (33) 326, 331, 831; (34) 517, 723; (35) 220,	notes, (26) 362.
629, 724, 728; (36) 121, 217, 626; (37) 126; (38)	nurse crops for, (39) 436.
217, 422, 825; (39) 22, 110, 327, 421, 427, 436; (40)	on bog and moss solls, (40) 212.
fettilizer experiments, (26) 422, 631, 831; (27) 24, 628; (28) 325, 735; (30) 25, 820; (31) 430; (23) 322, 629; (33) 326, 331, 831; (34) 517, 723; (35) 220, 1, 629, 724, 728; (36) 121, 217, 626; (37) 126; (38) 217, 422, 825; (39) 22, 116, 327, 421, 427, 436; (40) 7218, 723, 733, 735. [ertilizing value, (29) 221; (32) 216; (37) 214.	on bog and moss soils, (40) 212. pasture for pigs, (37) 270. pasture, notes, (30) 829.
nower mage, control, (65) bob.	pollen, physiology of, (29) 829.
flowering habits and anatomical structure, (37)	pollen, physiology of, (29) 829, pollination, (31) 134. pollination studies, (37) 30, 735.
for irrigated pastures, (38) 337.	
for summer silage, (29) 473.	potash requirement, (33) 517.
fungicidal treatment, (29) 326.	potash requirement, (33) 517. precipitin test for, (31) 733. Pseudopeziza leaf spots, (37) 751. rate of seeding tests, (27) 836.
germination— as affected by fertilizers, (29) 327.	Pseudopeziza leaf spots, (37) 751.
of hard seeds, (27) 841.	red—
studies, (32) 231.	analyses, (26) 770; (27) 35; (32) 171.
graphic summary of seasonal work, (39) 495. ground, analyses, (26) 768, 873.	anthracnose of. (34) 155.
ground, examination and standardization, (29)	as affected by potash, (32) 228. as green manure, (28) 339; (35) 337; (39) 816.
462.	as green manure, (25) 559, (55) 557, (59) 510.
growth and nitrogen-fixing power on acid soils,	ns meadow crop, (40) 136. behavior in acid soils, (37) 422.
(36) 514. growth as affected by—	breeding experiments, (32) 431; (33) 131; (34) 34; (40) 735.
fertilizer salts, (29) 329.	(34) 34, (40) 735. changes during ensiling, (39) 166.
fertilizer salts, (29) 329. radioactivity, (28) 731. sulphur, (32) 724.	color characteristics in, (31) 330.
growth in relation to soil activity, (35) 516, 529.	composition at different stages, (30) 634.
growth on volcanic ash, (29) 726; (32) 36.	culture, (30) 335.
hay—	culture experiments, (27) 735; (28) 231; (29) 226; (32) 36, 431; (34) 34; (36) 435; (38) 334; (40) 328, 526.
amylolytic activity, (32) 503.	(40) 328, 526.
analyses, (27) 170; (33) 469; (34) 164. as affected by long storage, (32) 363.	decomposition in soil. (40) 214.
ash analyses, (29) 861.	disease of, (33) 445.
composition and nutritive value, (39) 166. digestibility, (28) 363, 464; (32) 69, 363.	disease resistance, (39) 454. effect on Azotobacter, (40) 618.
effect on bacterial activity of soils, (35) 216.	effect on following crop, (38) 337; (40) 623. fertilizer experiments. (34) 622; (35) 520; (39) 116.
effect on fetal development, (33) 266.	/ fertilizer experiments. (34) 622; (35) 520;
energy value, (33) 72; (36) 469.	floral development, (30) 132.
energy value, (33) 72; (36) 469. fertilizing value, (31) 822. for milk production, (40) 572.	fioral development, (30) 132. gall gnat affecting, (30) 159. germination tests, (27) 431.
loader for. (39) 231.	germination tests, (27) 431.
loader for, (39) 231. manurial value, (40) 127. production in United Kingdom, (26) 793.	greensand potash for, (40) 423. growing with grain, (40) 822. improvement, (27) 136; (28) 434. in rotation with cereals, (39) 127.
production in United Kingdom, (26) 793.	improvement, (27) 136; (28) 434.
v. shelled corn for sheep, (29) 572. worm, notes, (29) 252; (30) 854. histological identification, (30) 631.	in rotation with cereals, (39) 127.
histological identification, (30) 631.	inoculation, (40) 328. insects affecting, (40) 650.
nop, as pasture crop, (39) 231.	irrigation experiments, (37) 435.
in dry-larm rotations, (39) 131.	leaf-spot disease, (40) 156.
inoculation, (29) 326, inoculation experiments, (27) 335; (28) 426, insects affecting, (31) 848; (34) 251; (38) 557; (39) 262, 264, 358, 632, 557, 565; (40) 163, 650, irrigation experiments, (32) 186, 225; (36) 35; (37)	liming, (40) 328. liming experiments, (32) 132; (34) 133, 725;
insects affecting, (31) 848; (34) 251; (38) 557; (39)	(39) 127, 626.
262, 264, 358, 532, 557, 565; (40) 105, 650.	(39) 127, 626. nectary of, (33) 27.
639.	notes, (31) 830.
Japan-	nurse crops, (40) 329. on inoculated soil, (39) 519.
analyses, (26) 234.	pollination by bumblebees, (27) 359.
as cover crop, (38) 346. as pasture crop, (37) 533.	pollination studies, (33) 832.
as pasture crop, (37) 533. culture, (30) 335; (32) 527. for cut-over land pasture, (39) 231.	propagation experiments, (31) 228. relation of tops to roots, (31) 733.
for cut-over land pasture, (39) 231.	relative yielding capacity, (40) 625.
hay, feeding value, (39) 269. papers on. (26) 234.	root system. (32) 634.
papers on, (26) 234. purity and germination tests, (35) 441.	seed, adulteration and misbranding, (27) 141, seed color in. (29) 533.
leaf beetle, notes, (39) 358.	seed color in, (29) 533. seed of, and its impurities, (40) 627.
leaf beetle, notes, (39) 358. leaf spot, notes, (32) 443. leaf tyer, identification, (36) 97.	seed production, (40) 730. seeding, (27) 337; (29) 634.
leaf tyer, studies, (35) 553.	seeding, (27) 337; (29) 034. seeding experiments, (32) 531.
leaf weevil—see also Clover weevil.	spider attacking, (39) 65.
control, (39) 264. lesser, notes, (37) 255.	sulphur requirement, (40) 727. Uromyces fallens on, (39) 550.
notes, (27) 259, 561; (31) 457; (37) 202.	Uromyces maiens on, (39) 550.
leafhopper, remedies, (35) 465. liming experiments, (28) 136; (31) 820; (32) 31; (33) 333; (34) 133; (38) 219; (39) 221, 421; (40)	v. alfalfa, (40) 328. variation in, (31) 134.
11ming experiments, (28) 130; (31) 320; (32) 31, (32) 323: (24) 133: (38) 219: (39) 221, 421: (40)	variaties, (26) 733; (29) 139; (30) 034; (30) 03
322, 815.	yield as affected by source of seed, (26) 833
Maltese, as a forage crop, (32) 41.	yields, (40) 732. relation to climate, (28) 27.
mammoth, as winter cover crop, (40) 133. management in corn belt rotation, (29) 140.	residues, nitrogen content, (28) 217.
meal, analyses, (36) 667; (38) 369.	resistance to Colletotrichum, (38) 350.
meal, analyses, (36) 667; (38) 369. meal for pigs, (34) 869.	rhizoctoniose, notes, (26) 844.
	root borer, notes, (31) 848. root borer, popular article, (39) 585.
mite, notes, (27) 662; (28) 457; (35) 656; (38) 365.	root borer, popular article, (39) 565. root curculio affecting affalfa, (32) 851.
Mexican, culture, (30) 335. mite, notes, (27) 662; (28) 457; (35) 656; (38) 365. mite, review of literature, (31) 159.	rotation experiments, (29) 227; (33) 828; (36) 829 rust, aedial stage, (37) 752.
mixtures, tests, (39) 135.	rust, aecial stage, (37) 752. rye stalk disease affecting, (26) 546.
multiple leaves in, (35) 329.	A A MANUAL AND

Clover—Continued.	Clover—Continued.
Sclerotinia libertiana affecting, (26) 647.	white-
Sclerotium disease, (39) 753.	analyses, (27) 35.
seed-	as meadow crop, (40) 136.
analyses, (26) 739. boiling, (37) 829.	culture, (30) 335. Dutch, culture experiments, (32) 431.
boiling, (37) 829.	for irrigated pastures, (40) 432.
bushel weights, (37) 889. caterpillar, notes, (32) 651; (39) 557.	history in United States, (36) 529.
	honey production, (40) 65.
seed chalcis fly—	hydrocyanic acid in. (28) 36; (30) 36.
notes, (26) 452; (28) 653; (29) 252; (32) 454; (35) 551; (39) 557; (40) 853.	new species resembling, (26) 40.
parasites of, (40) 862.	root systems of, (35) 639. variation in, (29) 321. varieties, (29) 139.
remedies, (32) 550; (39) 760.	variation in, (29) 321.
seed—	Variety toete (20) 530: (40) 222
cleaning (40) 40	variety tests, (39) 530; (40) 232.
cleaning, (40) 40. coat, (26) 132; (33) 428.	wild v. ordinary seeds, (38) 338. yield as affected by origin of seed, (28) 432.
determination of origin, (37) 541.	Will disease, description, (36) 47.
dry and soaked, measurement, (36) 339.	winterkilling, (35) 530; (40) 331.
seed, germination-	winterkilling, (35) 530; (40) 331. worm, green, (39) 865.
and purity tests, (29) 741; (30) 40; (36) 638.	yield as affected by windbreaks, (28) 40.
and purity tests, (29) 741; (30) 40; (36) 638. energy of, (29) 538.	Cloves-
tests, (26) 41; (29) 740; (34) 143.	as affected by storage, (36) 562.
seed	effect on microorganisms, (35) 557.
hard, germination, (30) 738; (31) 228.	examination, (32) 161.
hard, treatment in hulling, (33) 334.	germicidal effect, (36) 863.
hard, treatment in hulling, (33) 334. high v. low grade, (26) 838. impermeable, viability, (35) 740.	insecticidal value, (39) 762.
impermeable, viability, (35) 740.	leaf spot disease, (36) 348. powdered, adulteration, detection, (30) 415.
imported, germination tests, (35) 140.	preservative value, (38) 469.
investigations (40) 30	Club root—see also Cabbage and Turnip club root.
longevity. (32) 634	notes (35) 150
midge, see Dasyneura leguminicola.	notes, (35) 150. studies, (31) 642; (33) 52; (37) 454. treatment, (35) 48, 245.
mixtures, tests, (26) 630.	treatment, (35) 48, 245,
production, (38) 441; (39) 835.	Club work—see also Boys' clubs and Girls' clubs.
production in Europe, (26) 436.	in Indiana, (34) 599.
production in Idaho, (38) 231.	Clubs, neighborhood improvement, (28) 194; (29)
purity tests, (27) 733.	95. Charter for attacker (95) 665
imported, germination tests, (35) 140. inspection, (31) 438; (36) 442. investigations, (40) 39. longevity, (32) 634. midge, see Dasyneura leguminicola. mixtures, tests, (26) 630. production, (38) 441; (39) 835. production in Europe, (26) 436. production in Idaho, (38) 231. purity tests, (27) 733. scarlfying experiments, (37) 30. standards in Canada, (26) 839.	Cluster fly, studies, (37) 665.
tesis, (27) 142.	Clysia ambiguella—
treatment with sulphuric acid. (27) 37, 524	monograph, (34) 553.
valuation, (30) 40; (36) 638. viability as affected by age, (31) 624. vitality, (27) 740.	notes, (31) 157.
viability as affected by age, (31) 624.	Clytrinae, catalogue, (30) 458. Clytus devastator in Florida, (40) 169.
vitality, (27) 740.	Cnaphalocrocis medinalis, notes, (33) 856.
seeding experiments, (38) 130: (39) 436, 437.	Cnaphalodes, studies, (40) 262.
seeding on ranges, (30) 35.	Cnemidocoptes mutans, notes, (35) 183.
seeding on ranges, (30) 35. selection and breeding, (31) 829. serpentine leaf minor affecting, (29) 857.	Coagulase in alfalfa, (32) 411.
sinkness notes (92) 947. (29) 544	Coal—
sickness, notes, (28) 847; (32) 544. sickness, studies, (36) 348.	analyses, (31) 359.
silage—	ash from iron industry, fertilizing value, (34)
acidity, (39) 878.	725.
analyses, (29) 270; (32) 465.	ash, potash content, (39) 329.
and hay for dairy cows, (31) 673.	ashes, fetilizing value, (30) 430. lignite, analyses, (30) 697. mine disastors v. weather, (32) 25. mining in North Dakota, (33) 683. prices in United States, (31) 558. smoke, effect on health, (27) 212.
composition and nutritive value, (39) 166.	mine disasters v. weather (32) 25
for dairy cows, (37) 75,	mining in North Dakota, (33) 683.
studies, (39) 166, 310. snout beetle, notes, (32) 650.	prices in United States, (31) 558.
SHOULD DEBLIE, HOURS, (32) 000.	smoke, effect on health, (27) 212.
sour, as a cover crop for citrus, (34) 344. sowing with and without a nurse crop, (26) 434.	
stem borer, notes, (35) 657.	tar as coating for concrete, (34) 880. as wood preservative, (28) 344. colors, use in food products, (20) 609. crossetes as wood preservatives, (32) 841.
stem borer, notes, (35) 657. stem rot, investigations, (38) 850.	colors use in food products (26) 600
stem rot, studies, (34) 541.	creosotes as wood preservatives. (32) 841.
strawberry—	disinfectants, toxicity, (38) 281.
culture experiments, (30) 632.	disinfectants, toxicity, (38) 281. dust, effect on plants, (28) 129.
introduction into Victoria, (26) 833.	dye mixtures, review of literature, (32) 20%
strenk disease, notes, (29) 352. sulphur in, (31) 817. sweet, see Sweet clover.	dyes, effect on health, (36) 262.
sweet, see Sweet clover.	dyes, methods of analysis, (27) 205.
toxic effect—	dyes, notes, (27) 64. dyes, separation, (26) 506; (36) 714; (38) 12.
of iron and aluminum salts. (33) 328.	injury to vegetation, (32) 826.
on pigs, (38) 589. transpiration, (39) 517.	preparation, use on moor soll, (39) 438.
transpiration, (39) 517.	vapors, effect on vegetation, (27) 635; (29)
utilization of sugar by, (36) 125.	530; (30) 647.
utilization test, (39) 436. v. alfalfa for milch cows, (39) 578.	waste as a source of ammonia, (27) 623.
v. alfalfa in rotation (90) 634	wetting for domestic use, (38) 87.
v. alfalfa in rotation, (29) 634. varieties, (20) 631; (27) 32, 334, 836; (29) 830; (30) 829; (31) 829; (32) 36; (33) 632; (34) 730; (33) 131, 433, 634.	Coast erosion, Spartina for, (40) 530.
(30) 828; (31) 829; (32) 36; (33) 632; (34) 736;	Cob meal, analyses, (27) 774, 872; (29) 606; (30) 68;
(38) 181, 433, 634.	(31) 366.
varieties for Texas, (40) 729.	Cobaea scandens, flower development in, (31) 427;
varieties for Texas, (40) 729. varieties, foreign, (39) 338. variety tests, (40) 735.	(33) 427.
variety tests, (40) 735.	Cobalt—
vitamin content, (40) 564. water requirement, (26) 129; (32) 127.	chlorid, effect on olives, (26) 825.
weevil in Iowa, (37) 262.	in soils, (31) 720.
weevil, notes, (28) 752	salts, effect on plant growth, (28) 38. toxic effect on plants, (38) 628.
weevil, notes, (28) 752. weevil pupa cells, notes, (30) 655.	Cobra venom, hemolysis by, (36) 276.

a	
Coca cola— adulteration and misbranding, (27) 365.	Coccinella—
sirup, analyses, (27) 167.	9-notata, negative geotropism of, (30) 357.
Cocainae hydrochloridum, nature and use, (26) 580.	9-notata, notes, (27) 561. septempunctata, parasite of, (39) 868.
Cocaine-	spp., destructive to citrus plant lice, (26) 755.
determination in beverages, (27) 499.	spp., life history, (33) 562. spp., notes, (27) 656.
effect on congulation of blood, (37) 177.	spp., notes, (27) 656.
effect on germination of wheat, (27) 220.	spp., studies, (29) 355; (39) 663. Coccinellidae—
separation and identification, (27) 208.	aphid feeding, studies, (34) 555.
Coccaceae—bibliography and classification, (34) 477.	biology, (30) 754.
in American Museum of Natural History, (29)	of California, life history and feeding records
676.	(37) 58.
nomenclature and classification, (39) 124.	of Oregon, (30) 357. of Philippines, (29) 657.
Coccid enemies of grapes in Hungary, (38) 464. Coccidae—see also Scale insects.	Coccinellids—
catalogue, (28) 754.	beneficial, in Piedmont, Italy, (28) 757.
fungus parasites of, (28) 60.	iarvae in U.S. National Museum, (36) 658.
injurious to citrus fruits, remedies, (31) 550.	parasitic on black scale, (26) 556.
insect parasites, (40) 651.	statistics, (33) 256. Coccobacillus—
leaf feeding, on pines, (36) 459. monograph, (35) 256.	acridiorum-
morphology and physiology (36) 655	description, (31) 752.
morphology and physiology, (36) 655. new, catalogue, (33) 748.	destruction of locusts by, (31) 752, 753; (33) 154; (34) 854; (36) 356, 755; (37) 401, 501, 760, 849; (39) 656, 863; (40) 164. in Algeria, (33) 658.
new chalcidoid parasites, (37) 467. notes, (28) 149; (28) 754. of Argentina, (26) 247. Barbados, (36) 252. California, (29) 158. Cuba, (40) 355. Florida, (38) 562.	760 849 (30) 656 863 (40) 161
notes, (26) 149; (28) 754.	in Algeria. (33) 653.
OI AIGERUIDA, (26) 217.	mocmanon experiments with, (85) 853.
California. (29) 158	n.sp., destructive to locusts, (27) 357. notes, (29) 354; (30) 546; (35) 256.
Cuba, (40) 355.	notes, (29) 354; (30) 546; (35) 255.
Florida, (88) 562. Great Britain, (34) 552. greenhouses, (39) 762. Indiana, (35) 461. Japan, (31) 157. Kausas, (39) 255. Indiana, (36) 550.	relation to septicemia in cockchafers, (30) 54. cajne, notes, (29) 855.
Great Britain, (34) 552.	caine, pathogenicity, (30) 54.
greennouses, (39) 762.	erausquinii n.sp., description, (29) 757.
Janan. (31) 157.	erausquinii n.sp., description, (29) 757. infections of insects, (30) 53, 54, 551. liquefaciens n.sp., description, (28) 581.
Kansas, (39) 255.	inquencies n.sp., description, (26) 581.
	mycoides peripneumoniae, notes, (27) 184. Coccomyces—
New Jersey greenhouses, (35) 256.	from Prunus, inoculation tests, (39) 456.
New Jersey greenhouses, (35) 256. New York, (34) 752. Peru, (33) 254.	from Prunus, inoculation tests, (39) 456. hiemalis n.sp., description, (29) 349.
Philippines. (34) 552: (38) 464.	niemalis, studies, (36) 149; (37) 755.
Porto Rico, (37) 158.	kerriae n.sp., description and studies, (39) 253. pini, notes, (29) 851.
Philippines, (34) 552; (38) 464. Porto Rico, (37) 158. Samoa, (35) 358.	spp., investigations, (33) 347.
Uganda, (39) 560.	Coccophagus—
West Africa, (34) 851. parasites of, (29) 253.	acanthosceles n.sp., description, (37) 162.
preparation for microscopical study, (32) 57.	aleurodici n.sp., description, (36) 555.
remedies, (27) 357. treatise, (28) 556.	javis n.sp., description, (37) 59. lecanii, notes, (26) 152.
treatise, (28) 556.	lunulatus, parasitic on orange scale, (26) 554.
Coccidencyrtus ensifer, notes, (35) 263.	n.sp., notes, (27) 556.
Coccidia—	n.spp., descriptions, (34) 557.
chromosome cycle, (34) 458. in sparrows, relation to blackhead in turkeys,	spp., notes, (29) 654. Coccotrypes dactyliperda, notes, (33) 750.
(37) 384.	Coccus—
notes, (27) 181.	ciridis, notes, (31) 58.
of intestines of birds, (37) 280.	citricola—
Coccidian dysentery of cattle, (40) 290.	and C. hesperidum, comparison, (37) 563.
Coccidiascus legeri n.g. and n.sp., notes, (29) 759. Coccidioides immitis, studies, (40) 88.	fumigation, (39) 463.
Coccidiosis—	notes, (34) 255.
avian, studies, (26) 187.	n.sp., description, (32) 57. notes, (34) 255. remedies, (36) 357; (40) 454. studies, (33) 558. hepperdum as Soale soft
in calves, (26) 483; (38) 183; (40) 185. in cattle, (30) 679.	Studies, (33) 558.
in cattle, (30) 679.	hesperidum, see Scale, soft, lacca industry in India, (10) 550.
in cattle—	mangiferae, fungus parasite of. (27) 358.
and carabaos, (33) 482; (35) 76, 282. intestinal, (39) 686.	mangiferae, fungus parasite of, (27) 358. spp. destroying prickly pear, (39) 559. viridis, notes, (38) 364.
studies, (26) 678.	viridis, notes, (38) 364.
treatment, (29) 676.	viridis, remedies, (26) 534.
in chicks, (37) 182.	Cochineal— insect, cottony, notes, (28) 451.
dogs, (37) 280; (39) 392. goats, (30) 680; (35) 488.	insects, as pests, (39) 559.
poultry and game birds, (26) 483, 588; (32)	Cochliomyia (Chrysomyia) macellaria, notes, (34)
784.	756. Cochylis—
poultry in South Africa, (38) 83.	ambiguella—
poultry, treatment, (29) 889.	biology and control, (33) 555; (34) 654.
rabbitts, (32) 180. sheep, (35) 488.	control, (34) 63; (35) 253; (38) 257; (39) 765.
Coccidium—	life history and control, (29) 655.
avium, notes, (27) 760.	monograph, (34) 553. notes, (26) 655; (28) 559; (35) 54, 257.
bovis, studies, (26) 483.	parasites of, (35) 659.
Coccidoctonus trinidadensis n.g. and n.sp., descrip-	polyphagous habits, (32) 554.
tion, (30) 59.	school chart of, (31) 895.
Coccidence portoricensis n.sp., description, (30) 661.	moth—
Coccids—	biology and control (27) 758. control, (26) 758; (30) 550.
in Sevchelles. (30) 252.	control in Switzerland, (38) 159.
introduced, in South Africa, (39) 560.	destruction by heat, (27) 856; (28) 752; (34)
on coffee in India, (40) 651.	653.

Cochylis—Continued.	Coconut—Continued.
moth-continued.	cake—continued.
notes, (26) 56, 57; (28) 160; (34) 851; (36) 460. studies, (36) 355.	composition and digestibility, (33) 568. effect on composition of milk fat, (26) 170.
('ockchafer—	effect on milk and butter, (34) 570.
bacillary septicemia of, (30) 53, 54.	feeding value, (38) 572, 771.
bacterial diseases of, (38) 162.	for steers (29) 272: (35) 271
biology, (27) 661. control, (37) 467.	for milch cows, (28) 174. for steers, (29) 272; (35) 271. sugar content, (37) 208.
destruction, (27) 661, 662.	disease
small green, life history, (28) 757. Cockerels—	in New Caledonia, (34) 55. in New Hebrides, (34) 56.
as affected by time of hatching, (39) 780.	notes, (29) 650.
fattening test, (37) 268.	diseases—
feeding experiments, (36) 70. feeding for market, (35) 273. feeminization, (34) 870; (38) 275. raising for broilers, (39) 577.	in Dutch East Indics, (38) 354. Jamaica, (35) 458; (38) 758.
feminization, (34) 870; (38) 275.	Malay states, (38) 446, 460, 758.
raising for broilers, (39) 577.	Philippines, (38) 459.
Cockle, eradication, (27) 733. Cocklebur, water requirement, (32) 127.	West Indies, (37) 452.
Cockroaches—	notes, (20) 60, 642, 744; (27) 357, 857; (28) 545; (20) 345; (30) 652, 746; (32) 754; (34) 241, 348, 442, 740; (38) 46; (39) 453, 468, 752, treatment, (26) 145; (29) 749, (20) 846, (20)
American, as carriers of cholera vibrios, (31) 752.	348, 442, 740; (36) 46; (39) 453, 458, 752.
as blister rust carriers, (39) 248. as pest of greenhouses, (39) 761.	fat, detection in butter, (28) 809; (29) 810; (33)
Australian, as cotton pest, (32) 348.	505.
Australian, as cotton pest, (32) 348. bacteriology of, (26) 347. control, (33) 59; (35) 899; (36) 457; (39) 762; (40)	detection in butter and lard, (27) 716.
353.	determination in butter, (31) \$10. determination in edible fats, (26) 713.
destruction, (38) 558.	iodin number, (27) 615.
notes, (37) 156.	globulin, studies, (40) 502.
of North America, (38) 258. of Nova Scotia, (40) 856.	industry in Philippines, (29) 340. industry in Seychelles Islands, (31) 639.
oriental, remedies, (28) 157. parasite of, (40) 854.	leaf-miner heetle, notes, (30) 56.
parasite of, (40) 854.	leaf roller, in Hawaii, (34) 59.
physiology of digestion, (38) 558. relation to cancer in rats, (32) 358. rôle in milk infection, (26) 674.	meal— analyses, (29) 367; (30) 268; (31) 864; (33)
rôle in milk infection, (26) 674.	analyses, (29) 367; (30) 268; (31) 864; (33) 568; (34) 665; (35) 562, 867; (36) 167, 268, 667; (37) 268; (38) 309; (39) 167, 270, 370; (40) 72, 571, 665.
trap ior, (29) 655.	667; (37) 268; (38) 369; (39) 167, 270, 370;
Cockshin grass, analyses, (30) 565. Coco cake and meal, analyses, (33) 870.	analyses and feeding value, (39) 676.
Cocoa-	analyses and feeding value, (39) 676. and cake, analyses, (40) 571. composition and digestibility, (32) 68.
alkali treatment, (39) 314, 415.	composition and digestibility, (32) 68.
alkalinity, (37) 414. alkaloids in, (31) 358. analyses, (26) 506; (28) 461; (32) 298; (35) 558.	digestibility, (31) 766. feeding value, (40) 672.
analyses, (26) 506; (28) 461; (32) 298; (35) 558.	v. cottonseed meal for cows, (30) 176.
and chocolate, treatise, (26) 662, 710. copper in, (23) 862.	feeding value, (40) 672. v. cottonseed meal for cows, (30) 176. milk, osmotic pressure, (28) 262. oil, accessory growth substance in, (38) 265.
determining shell content, (27) 809; (39) 612.	seid content. (26) 114.
digestibility, (30) 862.	scid content, (28) 114. detection, (27) 207; (29) 613. detection in butter, (26) 170, 610; (32) 508. determination, (37) 618. determination in margarin, (28) 208. determination in mixtures, (38) 413. diagnostibility, (28) 260.
effect on gastric secretion, (26) 466. examination, (26) 659; (29) 361; (31) 760.	detection in butter, (26) 170, 610; (32) 508.
fat content, determination, (40) 206.	determination in margarin. (28) 208.
imports into United States, (34) 43.	determination in mixtures, (38) 413.
industry, papers on, (39) 846. manufacture, (30) 258.	digestical and absorption (24) 257
manufacture, progress in, (32) 23.	digestibility, (36) 860. digestion and absorption, (34) 257. extraction in Philippines, (37) 806. fatty acids, feeding value, (39) 271. industry in Philippines, (38) 807.
manufacture, progress in, (32) 23. methods of analysis, (27) 207.	fatty acids, feeding value, (39) 271.
microscopic examination, (36) 506. production and trade, (26) 642.	industry in Philippines, (38) 807.
siftings, analyses, (30) 868.	industry, statistics, (39) 9. measuring rancidity, (39) 108.
teas, analyses, (39) 612. valorization, (26) 642.	methods of analysis, (28) 810.
value in the diet, (29) 664.	of high too numbers, (26) 611. physical constants, (35) 312.
Cocce diseases, notes, (29) 345.	production, (39) 108.
Coconut—	production in United States, (40) 614.
beetle—see also Oryctes rhinoceros.	refractive index, (27) 615.
control by lemurs, (39) 565. control in Seychelles, (33) 555.	specific hoat, (40) 68. pests and diseases, (32), 754.
notes, (29) 858; (30) 660; (37) 54.	pests and diseases, (32), 754. pests, notes, (26) 337; (27) 857. poonac, analyses, (37) 814.
studies, (38) 163. bleeding disease, notes, (37) 349.	products— (37) 814.
bleeding disease, treatment, (40) 845. borer, notes, (30) 359.	as a substitute for butter. (36) 466.
borer, notes, (30) 359.	oxamination, (36) 319. preparation, (32) 46. studies, (39) 107, 108.
causative agent. (26) 145.	preparation, (32) 46. studies (39) 107-108
causative agent, (26) 145. description and treatment, (32) 149. notes, (27) 251, 363, 751, 347; (34) 50, 643; (36) 47, 846; (37) 252, 453, 839; (38) 553; (39) 458, 459, 490) 155, 750, 751. studies, (26) 649; (28) 241; (35) 363, 850. treatment (33) 50.	red weevil in Ceylon, (38) 62.
notes, (27) 251, 353, 751, 847; (34) 50, 643;	root disease, notes, (40) 48, 155.
(39) 458, 459, 849; (40) 155, 750, 751.	sap, studies, (30) 16.
studies, (26) 649; (28) 241; (35) 353, 850.	scale, notes, (27) 756; (29) 858.
treatment, (33) 150. butter, digestibility, (36) 860.	scale affecting bananas, (30) 157. scale, notes, (27) 756; (29) 858. toddy in Ceylon, (36) 466. tree caterpillar in Panama, (38) 58.
butter for tuberculous patients, (32) 63.	weevil notes. (29) 653
Dutterny, notes, (35) 358.	weevil, notes, (29) 653. white fly, notes, (27) 455.
cake—see also Copra cake.	Coconuts—
acidity, (35) 770. agglutinating properties, (31) 774.	abnormalities of, (34) 236; (35) 250. changes in during ripening, (31) 535.
analyses, (26), 165, 266, 267, 363, 770; (27) 371.	cover crops for, (34) 736.
570, 872; (29) 467; (30) 268, 467; (31) 864; (33) 665; (34) 203; (38) 771.	changes in during ripening, (31) 535- cover crops for, (34) 736. culture, (26) 139; (28) 840; (34) 439; (37) 345; (38) 446, 542.
· · · · · · · · · · · · · · · · · ·	

Coconuts—Continued.	Codling moth—Continued. nine-year band record, (39) 765.
culture— and plantation machinery, (40) 247. and uses, (33) 438; (39) 646. experiments, (29) 637; (37) 144; (40) 339. handbook, (39) 449. in Burma, (31) 48. Ceylon, (32) 46. Guiana, (31) 391. India, (32) 131. Philippines, (26) 336, 743.	nine-year band record, (39) 765. notes, (28) 753, 757; (27) 53, 453, 755; (28) 160; (29) 158, 353, 453; (30) 755; (31) 548, 348; (32) 250; (33) 652, 653; (36) 456; (37) 480; (40) 161, 648, 753, 756.
experiments, (29) 637; (37) 144; (40) 339. handbook, (39) 449.	250; (33) 652, 653; (36) 456; (37) 460; (40) 161, 648, 753, 756.
in Burma, (31) 48. Ceylon, (32) 46.	parasives of (20) 400.
Guiana, (31) 391. India. (32) 131.	relation to climate, (28) 415. studies, (30) 549; (32) 654; (33) 61; (35) 252, 257;
Philippines, (26) 336, 743. West Indies, (26) 642.	parasitic and predaceous enemies of, (29) 158. relation to climate, (28) 415. studies, (30) 549; (32) 654; (33) 61; (35) 252, 257; (36) 753; (37) 37, 463; (38) 361. summary of information, (39) 262. tachinid parasites of, (34) 652. tran. description, (36) 858.
destruction by rats, (26) 857. fertilizer experiments, (29) 637, 746; (30) 644; (31)	tachinid parasites of, (34) 652.
421, 635, 742; (32) 236; (33) 535; (34) 344; (35) 344; (36) 340; (38) 144, 748; (40) 44	trap, description, (36) 858. variety on walnuts, (40) 457. Coelalysia glossinophaga n.sp., description, (39) 566.
flower biology, (39) 244.	Coelinidea— ferruginea n.sp., description, (31) 355.
for pigs, (37) 768.	meromyzae, biology, (38) 566. Coeliodes fuliginosus on poppies, (39) 663.
Guiana, (31) 391. India, (32) 131. Philippines, (26) 336, 743. West Indies, (26) 642. destruction by rats, (26) 647. fertilizer experiments, (29) 637, 746; (30) 644; (31) 421, 635, 742; (32) 226; (33) 535; (34) 344; (35) 344; (36) 340; (38) 144, 748; (40) 44. flower biology, (39) 244. food value, (40) 173. for pigs, (37) 768. germinating, (35) 344. germinating, (ipase in, (33) 426. grated, for chicks, (37) 768. handbook, (29) 840; (36) 445. in Samoa, beetle affecting, (26) 151. injury from lightning, (35) 250. insects affecting, (26) 354, 642; (27) 357, 453, 857; (28) 249; (29) 53; (30) 752; (31) 58; (33) 154, 555; (34) 349, 652, 740, 853; (35) 55; (38) 157, 446, 459, 460; (39) 159, 485, 557; (40) 259, 260. leaf-bitten phenomena, (40) 751. macapuno, description, (31) 536.	Coelodiazesis plumbeus, notes, (35) 759. Coeloides brunneri n.sp., description, (29) 562.
handbook, (29) 840; (36) 445.	Coelophora spp., life histories, (29) 253.
in samoa, beetle allecting, (26) 151. injury from lightning, (35) 250.	Coelopisthis nematicida, parasitic on large larch sawfly, (26) 353.
(28) 249; (29) 53; (30) 752; (31) 58; (33) 154, 555;	Coelopisthoidea— cladiae n.g. and n.sp., notes, (29) 359.
(34) 349, 652, 740, 853; (35) 55; (38) 157, 448, 459, 460; (39) 159, 458, 557; (40) 259, 260.	notes, (36) 556. Coelosterna scabrata—
leaf-bitten phenomena, (40) 751. macapuno, description, (31) 536. nut fall and leaf droop, (39) 552. on clay soil, oil content, (39) 544.	description, (28) 753. notes, (27) 863.
nut fall and leaf droop, (39) 552. on clay soil, oil content, (39) 544.	Coenurus serialis in rabbits, (32) 180. Coffea—
origin and dispersal, (37) 545. planting with Hevea, (39) 246.	amara, studies, (34) 344. arabica—
recipes, (28) 660. ripening, chemical changes in, (34) 344.	culture experiments, (29) 641. longicorn beetle affecting, (29) 857.
salt as a fertilizer for, (32) 324. selection experiments, (35) 344.	Coffee— abnormal growths, (40) 249.
spraying experiments, (34) 50. stored, diseases of, (33) 545.	adulteration, (28) 862. adulteration, detection, (31) 208. adulteration in Philippines, (31) 259.
treatise, (27) 148; (32) 236, 339. Cocos nucifera—	adulteration in Philippines, (31) 259. alkaloids in, (31) 358.
culture, (26) 139.	alkaloids in, (31) 358. analyses, (27) 63; (31) 760, 856; (32) 856; (35) 558. and coffee substitutes, examination, (32) 762.
treatise, (27) 146. Cod liver— meal, composition and feeding value, (34) 873.	anthracnose, treatment, (36) 846. aphis, notes, (37) 662.
oil— and its cordials, nutritive values, (33) 163.	artificial coloration, (27) 809.
biochemistry, (36) 262.	as affected by storage, (34) 661; (36) 562, bark beetles affecting, (30) 660., bean weevil, notes, (26) 354; (27) 155, 657.
condiment, analyses, (27) 670. effect on growth, (31) 560. for calves, (29) 170, 668; (30) 671.	bean weevil, studies, (38) 564. beans, fatty oil and wax of, (29) 811.
lecithids in, (33) 166. refractive index, (27) 614.	beans, removing shell before planting, (28) 743.
therapeutic action, (28) 262.	berry, composition, (32) 838. berry, host plant of fruit fly, (26) 758. biometric studies, (30) 534; (31) 142; (32) 440.
Creamed, ptomaine poisoning from, (35) 367.	plack rot, treatment, (38) 301.
dried, nitrogenous constituents of, (30) 861. nutritive value, (40) 66.	borer, orange-yellow, notes, (26) 253. borer, yellow-headed, notes, (31) 61. botanical studies, (34) 535.
Coding moth—	"brusca," description and bibliography, (26) 450.
biology, (30) 754. bird enemies, (27) 559.	caffein content, determination, (40) 115. caffein-free, diuretic effect, (31) 461.
Calliephialtes parasite of, (30) 360. clerid enemy of, (31) 353.	cake, analyses, (26) 363; (30) 67.
Calliephinattes parisste 61, (30) 360. clerid enemy of, (31) 583. control, (28) 136, 146, 349, 860; (27) 356, 358, 862; (28) 57, 59, 60, 156, 158, 558, 659, 857; (29) 456, 658; (30) 656, 754, 852; (31) 252, 335, 439, 454, 551; (33) 59, 141, 252; (34) 64, 147, 221, 738; (35) 253, 342, 551; (38) 855, 856; (37) 54, 57, 242, 259; (38) 540, 653, 857; (38) 348, 865, 866; (40) 162, 647. egg paratite of, (26) 252, 857; (32) 59. eggs, destruction by nicotin sulphate, (38) 860.	candelillo, studies, (31) 450. cereal, composition, (26) 660. chicory, studies, (28) 762.
558; (30) 656, 754, 852; (31) 252, 335, 439, 454, 551; (33) 59, 141, 252; (34) 64, 147, 231, 738; (35)	chiorosis, notes and bibliography, (28) 100.
253, 342, 551; (36) 855, 856; (37) 54, 57, 242, 259; (38) 540, 653, 857; (39) 348, 865, 866; (40) 162, 647.	coating, (31) 658. composition, (31) 165.
egg paratite of, (26) 252, 557; (32) 59. egg parasites in Turkestan, (34) 358.	compound containing ivory nuts, analyses, (31)
eggs, destruction by nicotin sulphate, (38) 860. false, notes, (31) 752.	constituents, useful and harmful, (34) 166. constituents, volatile, (31) 856.
habits, (35) 659. hymenopterous parasites, (36) 53.	consumption and modes of grinding in foreign countries, (32) 64. culture, (27) 146; (38) 446, 542; (39) 449, 846.
in apple orchards, (26)-541. Maryland, (38) 154.	culture—
Nova Scotia, (35) 853. Russia, (33) 155.	and manuring, (29) 239. and preparation for market, (36) 142.
Russian Turkestan, (30) 755. irregular emergence, (39) 262.	and preparation for marsel, (60) 422. experiments, (29) 641; (31) 637; (32) 746; (33) 536, 643; (35) 840; (36) 141; (37) 144; (38) 845; (40) 339.
iarvae resistance to coid. (37) 300.	(38) 845; (40) 339. in Belgian Kongo, (37) 545.
larvae, spraying, (39) 345. life history, (28) 60, 558; (30) 359; (33) 559; (34) 251; (35) 263; (36) 756, 853; (38) 653; (40) 300. morphology and biology, (33) 748.	British East Africa, (38) 43. Dutch East Indies, (30) 697.
morphology and biology, (33) 748.	Guiana, (31) 391. India, (28) 736; (32) 131.
new, attacking persimmon, (40) 52, 167.	

a.m. ati	Coffee Continued
Coffee—Continued.	Coffee—Continued. Pallicularia disease (40) 48
in Nyssaland (26) 829	phloem necrosis. (39) 152.
Philippines, (35) 353.	Pellicularia disease, (40) 48, phloem necrosis, (39) 152. plant, tolerance for salt. (27) 824.
culture—continued. in Nyasaland, (26) 829. Philippines, (35) 353. Porto Rico, (28) 237. Salvador, (39) 816. South India, (33) 643. Uganda, troatise, (30) 741. Venezuela, (31) 637.	planting with Heven, (39) 246, 751. pollination by bees, (26) 63.
Salvador, (39) 816.	pollination by bees, (26) 63.
South India, (33) 613.	preparation, descriptions and analyses, (40) 268.
Vanozuela (31) 637	prices of in India, (30) 896.
Venezuela, (31) 637. relation to climatic conditions, (26) 810.	production in Java. (27) 153. pulp, analyses and fertilizing value, (34) 726.
under shade. (39) 449.	pulp and composts, analyses, (28) 224. purifying and improving, (26) 261. quality as affected by fruit fly, (32) 746.
description of various kinds, (35) 111.	purifying and improving, (26) 261.
disease—	quality as affected by fruit fly, (32) 746.
description, (28) 651.	resistance to native vegetation, (29) 340.
description and treatment, (31) 152. in East Africa, (29) 851.	roasted, gases evolved from, (29) 265. Robusta—
diseases—	breeding experiments, (32) 236; (39) 244.
and neets notes (37) 545. (40) 252	culture in East Indies, (31) 638.
in Dutch East Indies, (31) 540.	culture in Java, (28) 641.
in Dutch East Indies, (31) 540. in Surinam, (30) 750; (32) 749. in Uganda, (35) 45; (39) 146. notes, (26) 51; (27) 858; (28) 148, 443; (29) 345, 650; (31) 646; (32) 340, 645; (34) 540,	improvement, (30) 43.
in Uganda, (35) 45; (39) 146.	root disease— in Lesser Antilles, (37) 454,
345 650 (31) 646 (32) 340 645 (34) 540	notes, (38) 547.
545, 744; (35) 850; (36) 746; (38) 51, 548;	studies. (39) 752.
545, 744; (35) 850; (36) 746; (38) 51, 548; (39) 146, 152, 849, 857; (40) 48. studies, (33) 549.	treatment, (31) 549.
studies, (33) 549.	root rot due to sterile mycelium, (39) 857.
treatment, (36) 347. drinking, effect on children, (27) 272.	scale insects affecting, (36) 354; (40) 651.
drinking, effect on children, (27) 272.	Scientium disease, (40) 252.
effect on—	seed, germination tests, (27) 844; (29) 642. selection and making, (32) 558. selection experiments, (32) 746.
body temperature, (26) 466. gastric secretion, (26) 466.	selection experiments, (32) 746.
heart, (27) 767.	SHVER THREED DIEDE, STUDIES, (29) 351, 552,
heart, kidneys, and nerves, (31) 265.	soils of Java, (38) 513. soils of Porto Rico, (37) 43.
Excelsa, culture in Java, (36) 241. fertilizer experiments, (27) 146; (29) 641; (30)	sous of Porto Rico, (37) 43.
fertilizer experiments, (27) 146; (29) 641; (30)	spraying experiments, (27) 847.
622; (31) 421, 637; (33) 536; (36) 343; (38) 749;	statistics in United States, (33) 894. substitutes, (38) 266; (40) 508, 658, 864.
(40) 43. flowers, morphology and physiology, (27) 146.	substitutes—
food value, (31) 165.	analyses, (27) 63, 767; (35) 558.
formation of aromatic substances in. (29) 361.	description of various kinds, (35) 111.
fruit diseases, notes, (37) 838.	examination, (30) 664.
germination experiments, (33) 841.	methods of analysis, (35) 111.
grafting, (35) 344.	tin poisoning from, (28) 565. toxicity, (33) 65. transplanting, (36) 342; (37) 649; (38) 749. treatise, (29) 265. value in the dist (29) 864.
grains, changes in due to Aspergillus, (34) 545.	transplanting (38) 342- (37) 849- (38) 740
green manure crops for, (34) 344. green manuring experiments (30) 741.	treatise. (29) 265.
grounds, analyses, (38) 626.	value in the diet, (29) 664.
harmfulness, method of lessening, (32) 161.	varieties, (28) 641; (33) 536; (36) 342; (37) 835;
hybrids, notes, (34) 344. imports into United States, (34) 43.	(38) 740
imports into United States, (34) 43.	WeeV11S, notes, (29) 652.
improvement, (28) 736. improvement by selection (29) 439.	Corner see Brandy
	weovils, notes, (29) 652. withertip, notes, (34) 55. Cognac, see Brandy. Cogon, notes, (28) 362. Cohesion, roview of literature, (35) 432. Cohoba, studies, (36) 734. Cohune nut oil, physical constants, (35) 312. Coital erratherms in certific, (31) 331
industry— in Abyssinia, (37) 835. in French Indo-China, (37) 545. in Java, (35) 745; (36) 642. studies, (28) 438. infusion, principles of. (26) 261. infusions, analyses, (30) 762. infusions chemistry of, (31) 164. ingestion, effect on uric acid exerction, (37) 470. insects affecting, (26) 753; (27) 858; (28) 249, 555;	Cohesion, review of literature, (35) 432.
in French Indo-China, (37) 545.	Cohoba, studies, (36) 734.
in Java, (35) 745; (36) 642.	Cohune nut oil, physical constants, (35) 312.
studies, (28) 438.	Coron Crantondina in Causic, (or, cor.
infusion, principles of. (20) 201.	Coix lachryma-jobi—
infusions chamistry of (31) 164.	as food, (40) 658. notes, (26) 361.
ingestion, effect on uric sold exerction, (37) 470.	COR6-
insects affecting, (26) 753; (27) 858; (28) 249, 555;	as sewage filtering material, (28) 789.
(29) 653; (30) 546; (32) 340, 847; (33) 153, 554;	manufacture from sewage sludge, (26) 624.
Ingestion, elect-of the send societion, (37) 4(0, 1) insects affecting, (28) 753; (27) 858; (28) 450, 555; (29) 653; (30) 546; (32) 340, 847; (33) 153, 554; (34) 340, 540; (35) 403; (37) 560; (38) 558, 857; (39) 556, 656, 862.	oven by-products, recovery, (28) 818, oven tars of United States, (20) 591. Colamin, isolation from cats, (31) 309.
layering, (34) 344.	Colamin, isolation from oats, (31) 300
leaf—	Colaptes auratus luteus, coccidiosis in, (26) 187.
blight, studies, (31) 450.	Colaspidema atra—
disease in Porto Rico, (40) 42.	injurious to alfalfa, (33) 555.
disease in Uganda. (34) 848.	notes, (28) 854.
disease, notes, (32) 548; (36) 347; (37) 551, 838.	remedies, (29) 561.
disease. treatment, (33) 445, 649; (37) 453; (38) 646.	Colchiein— detection, (26) 580.
miner, notes, (29) 652, 856; (33) 554; (38) 558	detection in water, (34) 410.
miner, notes, (29) 652, 856; (33) 554; (38) 558. rust, absence from Western Hemisphere,	Cold—see also Temperature, low.
(39) 857.	chemical protection against, (35) 474.
rust, studies. (40) 751.	effect on—
weevil, notes, (36) 354.	cereals, (31) 541, 542. larvae of Trichinella spiralis, (30) 881.
liming experiments, (40) 43. making devices, efficiency, (34) 166. making, studies, (30) 558, 762. manuring in southern India, (32) 838.	microorganisms, (38) 885.
making, studies, (30) 558, 762.	microorganisms in soils, (29) 316.
manuring in southern India, (32) 838.	milk, (28) 775.
	plants, (34) 223.
methods of analysis, (35) 111.	trichinae, (34) 680.
Murto ctudios (40) 42	frames—
methods of analysis, (35) 111. mulch, fertilizing value. (23) 223. Murta, studies, (40) 42. nematodes affecting, (26) 750; (34) 55.	construction, (31) 393; (34) 494.
notes. (31) 856.	(32) 140, 834; (34) 40, 737; (35) 234, 445;
notes, (31) 856. of Dutch East Indies, treatise, (30) 43.	(37) 41.
osmotic pressure, (28) 262.	preparation, (27) 393.

Cold—Continued.	Coleoptera-
resistance in perennial plants, (30) 333.	catalogue, (26) 560; (27) 759; (28) 256; (30) 458;
storage	(35) 363.
and prices, studies, (28) 871. apparatus, tests, (27) 486.	digestive ferments of, (26) 657. injurious or beneficial fo forests in India, (32)
bibliography, (36) 762.	351.
construction, address on, (29) 770.	of British India, (37) 765.
economic results, (27) 164.	British India, treatise, (29) 57.
storage, effect on—	British Isles, treatise, (29) 358.
eggs, (29) 276. fish, (31) 64, 459.	Philippines, (36) 257. Quebec, (38) 461.
fresh beef, (36) 759.	West Indies, (34) 556; (39) 564.
fruit fly, (32) 450; (34) 554; (35) 362. hops, (33) 709.	West Indies, (34) 556; (39) 564. olfactory sense, (34) 254.
hops, (33) 709.	parasites of, (39) 408.
keeping quality of sugar, (37) 510.	use in study of zoogeography, (27) 656.
lamb and mutton, (28) 366, 860. milk and butter, (27) 376.	xylophagous, feeding hibits, (26) 151. Coleosporiaceae—
moisture content of butter, (31) 675.	monograph, (36) 647.
olives, (29) 340.	of Guatemala, (40) 327.
price of eggs, (35) 589. prices, (30) 295.	Coleosporium—
prices, (30) 295.	campanulae, notes, (39) 549.
proteolytic enzyms, (27) 878; (29) 268 trichinae, (36) 680.	n.spp., notes, (30) 537.
Trichinella spiralis, (31) 356.	inconspicuum, notes, (31) 34s. n.spp., notes, (30) 537. oldenlandiae, description, (31) 145. ribicola, aecial stage, (37) 354.
storage—	ribicola, aecial stage, (37) 354.
experiments, (39) 344.	Solidaginis—
experiments with peaches, (28) 740.	spore germination, (38) 225. studies, (38) 553.
experiments with strawberries, (31) 535.	wintering, (36) 647.
in Canada, (38) 392.	sonchi-arvensis in Wisconsin, (30) 654.
in the Tropics, (27) 460.	spp., aecial stages, (37) 844, 845.
house, description, (26) 336. in Canada, (38) 392. in the Tropics, (27) 460. injury to fruits, studies, (29) 135. insulation, testing, (27) 461.	spp., hosts of, (31) 540.
its combilities (40) 864	spp., occurrence in Vermont, (38) 254. spp. on pine, inoculation experiments, (32) 647.
its capabilities, (40) 864. storage law in—	vernoniae, notes, (26) 340.
California, (37) 63.	Coleus—
Massachusetts, (31) 67.	blumei, abscission in, (40) 325.
Nebraska, (31) 67.	bud variations in, (32) 726.
New Jersey, (28) 862. storage—	hybridus, polarity, (34) 626. somatic variations in, (37) 27.
notes, (29) 866. of apples, (30) 41. cheese, (27) 377.	Coli bacillus, see Bacillus coli communis,
of apples, (30) 41.	Colias spp. injurious to alfalfa, (33) 555.
cheese, (27) 377.	Colibacillosis in calves, (26) 381; (40) 887.
fish, (39) 165.	Colic— in horses, notes, (26) 684.
food, (39) 472.	in horses, treatise, (32) 584.
food and food products (27) 362	treatment, manual, (31) 382.
fruits, (28) 591; (29) 745; (30) 640; (34) 637.	Colinus virginianus, coccidiosis in, (26) 187.
fruits, (28) 591; (29) 745; (30) 640; (34) 637. furs and fabrics, (27) 565. grapes, (28) 437; (40) 149.	Collard—
tropical fruits, (32) 439, 745.	and cabbage, crossing experiments, (31) 438. diseases, notes, (37) 48.
vegetables, (30) 640; (34) 637.	Collargol, effect on catalase, (26) 504.
vegetables, (30) 640; (34) 637. on farms, (29) 88.	College—
papers on, (30) 259.	curriculum, change of stress in, (36) 393.
storage plants—	curriculum, relation to human life and work, (33) 895.
Government operation, (40) 688. inspection in Kentucky, (31) 359.	graduates, professional distribution, (28) 192.
inspection in Massachusetts, (33) 260.	Colleges, see Agricultural colleges.
inspection in Virginia, (29) 567.	Collegiate Country-Life Club—
storage—	for Rural Leadership, (29) 199.
relation to food supply, (30) 559. relation to fruit growing, (27) 441.	of America, (31) 298. Collembola—
studies, (28) 868.	destructive to cattle ticks, (28) 758.
treatise, (33) 892.	notes, (27) 656.
warehouses, inspection in New Jersey, (32)	Colletotrichum—
357.	agaves— description and treatment, (29) 346.
Waves—	notes, (30) 845; (31) 641; (34) 442.
at Tampa, Florida, (37) 513. cause, (33) 210.	studies, (33) 851. and Gloeosporium on chili, identity, (34) 50.
forecasting, (35) 808.	and Gloeosporium on chili, identity, (34) 50.
forecasting, (35) 808. in Florida, (38) 210.	anthurii, notes, (37) 550.
Colemania sphenarioides, notes, (20) 347.	atramentarium, notes, (36) 544. cajni, notes, (34) 52,
Colemanite—	camelliae—
calcined, use against fly larvae, (31) 654.	notes, (37) 252; (38) 354, 355, 548. studies, (33) 650.
effect on crops, (39) 429.	studies, (33) 650.
Coleophora—	treatment, (39) 752. cereale, notes, (38) 147.
alcyonipenella, notes, (27) 453. caryaefoliella, notes, (38) 762; (39) 557.	cinnamoni n.sn., description, (3/) 798.
caryaefoliella, studies, (38) 157.	circinans, studies, (37) 841. cliviae, notes, (37) 353. coffeae (?), notes, (37) 838.
fletcherella, see Cigar case bearer.	cliviae, notes, (37) 353.
fuscedinella, notes, (40) 551.	coffeae (?), notes, (37) 838. cradwickii—
laricella, see Larch case bearer. limosipennella, notes, (28) 158; (37) 255.	fungus resembling, (31) 645.
n.spp., descriptions, (34) 553.	notes. (34) 349.
sacramenta, biology, (40) 757.	falcatum, notes, (26) 445; (29) 348, 647; (30) 541,
spp., notes, (31) 454.	falcatum, notes, (26) 445; (29) 348, 647; (30) 541, 650; (31) 746; (32) 442; (33) 444; (34) 49, 841; (36) 541; (37) 452, 551, 553; (40) 47, 157.
volckei n.spp., descriptions, (38) 862; (40) 652.	ozi, (01) 204, 001, 000; (20) 21, 101.
5000106†11	

Colletotrichum—Continued.	Colloids—see also Biocolloids.
falcatum, studies, (26) 548; (27) 48; (38) 851.	as protective substances for bacteria, (31) 24.
gloeosporioides— effect on citrus fruits, (34) 354.	chemistry of, (38) 309, 501, 708. determination in clay and soils, (30) 807.
notes, (28) 749; (29) 243; (31) 152; (34) 241, 446, 644, 750; (35) 153; (36) 851; (37) 453;	effect on electrical conductivity of saits, (37) 520
446, 644, 750; (35) 153; (36) 851; (37) 453; (40) 47.	effect on nitrogen fixation, (30) 431. handbook, (34) 801.
relation to citrus gummosis. (29) 247.	in immunity, (32) 78. in soils, (26) \$19; (30) 718; (32) 311, 318, 813; (33)
studies, (30) 451. treatment, (33) 149; (37) 352; (38) 455. variations, (38) 252.	in soils, (26) 519; (30) 718; (32) 311, 318, 813; (33)
treatment, (33) 149; (37) 352; (38) 455.	118, 215, 513; (35) 512. in soils—
gossypii—	adsorptive power, (32) 318.
notes, (29) 548; (33) 741; (37) 452.	as affected by soluble salts, (35) 622,
notes, (29) 548; (33) 741; (37) 452. resistance of cotton to, (35) 348.	importance, (29) 817; (34) 816. properties, (31) 514.
graminicolum n.n., studies, (31) 746. heveae, notes, (37) 253.	studies, (35) 319, 813.
higginscanum n.sp., description, (37) 754.	treatise, (34) 515. in water and sewage purification, (31) 616.
higginscanum n.sp., description, (37) 754. incarnatum, notes, (34) 540; (35) 45.	metallic, bactericidal properties, (32) 272.
infection of wheat by, (26) 747.	movement through cell membranes, (28) 37.
lagenarium— notes, (32) 641.	movement through plasma membrane, (30) 28, of clay notes (34) 816
studies, (35) 652, 750; (36) 248; (40) 250.	of clay, notes, (34) 816. of humus, (33) 609.
lindemuthianum— as affected by temperature, (32) 749; (34)	physics and chemistry, (29) 608; (35) 501.
538.	plant, studies, (30) 111. precipitation by aluminum hydroxid, (30) 504.
notes, (26) 747; (29) 150; (31) 542; (34) 645; (37) 550; (39) 249.	relation to son fertility, (28) 814.
registance of house to (25) 248	significance in physiology, (38) 820.
resistance to, (40) 643.	soluble, determination in soils, (31) 801.
studies, (39) 455, 745.	studies, (29) 201. treatise, (27) 881; (32) 308; (33) 801.
resistance to, (40) 648. resistance to, (40) 648. studies, (39) 455, 745. treatment, (32) 843; (37) 248. luxificum, notes, (28) 851; (29) 155.	Collops—
13 coperator on comacoes, (ax) oc.	bi punctatus, notes, (27) 561. vittatus, predacious on alfalfa caterpillar, (32) 58.
n.sp. on clover, (33) 346.	Collybia—
n.sp. on milk weed, (33) 350. n.sp. on potatoes, (33) 346.	albuminosa, growth on Odontotermes, (38) 849, velutipes, use as food and identification, (39)
	571.
n.spp., descriptions, (32) 842. necator, description, (26) 448; (27) 445.	Collyria calcitrator, development, (34) 363.
nigrum, notes, (34) 442; (38) 547.	Collyricium sp. in sparrows, (39) 760. Colobogaster quadridentata, notes, (30) 454.
nigrum on pepper, (31) 542.	Colocasia—
oligochaetum, notes, (26) 244. on sugar cane, (40) 844.	blight, notes, (31) 52, 641. spp., analyses and culture, (31) 41.
schizanthi n.sp., description, (26) 56.	storage rots. (35) 750.
solanicolum on eggplant, (38) 250.	storage rots, (35) 750. Colocasieae, varieties, (35) 134.
sp. on coffee, (36) 846. sp. on Licuals grandis, (36) 348. sp. on snapdragon, (34) 841. spp. as affected by temperature, (34) 542.	Colon-aerogenes organisms, culture medium for enumeration, (40) 381.
sp. on snapdragon, (34) 841.	Colon—
spp. as affected by temperature, (34) 542.	bacilli—
spp., notes, (26) 549, 649; (27) 250; (28) 444. spp. on coffee, (38) 51. spinaciae, studies, (32) 147.	from horse, cow, and man, (36) 379. human and equine, (35) 681.
spinaciae, studies, (32) 147.	survival after pastcurization, (32) 775.
theobromicolum, notes, (29) 548.	typhoid intermediates in bird diseases, (40) 685.
trifolii— description and treatment, (39) 754.	Colonial science school in Germany, (27) 395. Colonization—
notes, (28) 52.	Association of Republic of China, (28) 498.
porfect stage, (28) 746. resistance to, (39) 454.	in the Punjab, (40) 595. Colopha ulmicola, notes, (27) 658.
Collodion—	Colophony, methods of analysis, (27) 210.
dialyzing membranes, preparation, (38) 710. germicidal effect, (38) 752.	Color—see also Pigmentation.
germicidal effect, (38) 752.	aleurone, inheritance in maize, (40) 436. analysis, reagents used in, (36) 714.
membranes for ultrafiltration and pressure di- alysis, (35) 612.	characters, Mendelian, biochemistry, (30) 129.
Colloid chemistry—	constituents in higher plants and algae, (35) 333. development in mammals and birds, (32) 766.
application to agriculture, (29) 408.	effect on radiation from soils, (29) 619.
handbook, (40) 408. in soils, geology, and mineralogy, (30) 513.	
m some, georogy, and mind mogy, (60) are:	in animals, chemistry of, (33) 667.
of Fehling's sugar test, (39) 14.	in plants, studies, (33) 224.
review of literature, (26) 307.	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665.
review of literature, (26) 307. Colloidal—	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in—
review of literature, (26) 307. Colloidal— gels, water absorption and evaporation, (40) 27.	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in— animals. (38) 209, 574, 776.
review of literature, (26) 307. Colloidal— gels, water absorption and evaporation, (40) 27. hypothesis of permeability, (40) 318. metals, therapeutic value, (38) 585.	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in— animals, (38) 209, 574, 776. barley, (40) 825, 826.
review of literature, (26) 307. Colloidal— gels, water absorption and evaporation, (40) 27. hypothesis of permeability, (40) 818. metals, therapeutic value, (38) 585. mixtures—	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in— animals, (38) 209, 574, 776. barley, (40) 825, 826.
review of literature, (26) 307. Colloidal— gels, water absorption and evaporation, (40) 27. hypothesis of permeability, (40) 818. metals, therapeutic value, (38) 585. mixtures— for studying protoplasmic action, (37) 325, 821.	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in— animals, (38) 269, 574, 776. barley, (40) 825, 826. beans, (40) 536. cattle, (26) 366; (27) 771; (30) 469; (31) 266, 470; (40) 73, 867. Convolvulus, (40) 541,
review of literature, (26) 307. Colloidal— gels, water absorption and evaporation, (40) 27. hypothesis of permeability, (40) 818. metals, therapeutic value, (38) 585. mixtures— for studying protoplasmic action, (37) 325, 821. imbibition in, (40) 29.	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in— animals, (38) 209, 574, 776. barley, (40) 825, 826. beans, (40) 536. cattle, (26) 366; (27) 771; (30) 469; (31) 266, 470; (40) 73, 367. Convolvalus, (40) 541. corn, (28) 331.
review of literature, (26) 307. Colloidal— gels, water absorption and evaporation, (40) 27. hypothesis of permeability, (40) 818. metals, therapeutic value, (38) 585. mixtures— for studying protoplasmic action, (37) 325, 821. imbibition in, (40) 29. showing water relations of plants, construc-	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in— animals, (38) 209, 574, 776. barley, (40) 825, 826. beans, (40) 536. cattle, (26) 366; (27) 771; (30) 469; (31) 266, 470; (40) 73, 367. Convolvalus, (40) 541. corn, (28) 331.
review of literature, (26) 307. Colloidal— gels, water absorption and evaporation, (40) 27. hypothesis of permeability, (40) 818. metals, therapeutic value, (38) 585. mixtures— for studying protoplasmic action, (37) 325, 821. imbibition in, (40) 29. showing water relations of plants, construc-	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in— animals, (38) 209, 574, 776. barley, (40) 825, 826. beans, (40) 536. cattle, (26) 366; (27) 771; (30) 469; (31) 266, 470; (40) 73, 367. Convolvalus, (40) 541. corn, (28) 331.
review of literature, (26) 307. Colloidal— gels, water absorption and evaporation, (40) 27. hypothesis of permeability, (40) 818. metals, therapeutic value, (38) 585. mixtures— for studying protoplasmic action, (37) 325, 821. imbibition in, (40) 29. showing water relations of plants, construc-	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in— animals, (38) 209, 574, 776. barley, (40) 825, 826. beans, (40) 536. cattle, (26) 366; (27) 771; (30) 469; (31) 266, 470; (40) 73, 367. Convolvalus, (40) 541. corn, (28) 331.
review of literature, (26) 307. Colloidal— gels, water absorption and evaporation, (40) 27. hypothesis of permeability, (40) 818. metals, therapeutic value, (38) 585. mixtures— for studying protoplasmic action, (37) 325, 821. imbibition in, (40) 29. showing water relations of plants, construction, (40) 28. swelling, (35) 822; (39) 731. swelling, effect of bog and swamp waters on, (40) 520. phenomena in pollen-tube protoplasm, (40) 28,	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in— animals, (38) 209, 574, 776. barley, (40) 825, 826. beans, (40) 536. cattle, (28) 366; (27) 771; (30) 469; (31) 266, 470; (40) 73, 367. Convolvulus, (40) 541. corn, (28) 331. field peas, (31) 333. guinea pigs, (26) 878; (27) 573; (30) 265, 266; (34) 464; (39) 877. horses, (27) 370, 467, 876; (30) 70, 373, 571; (31) 266, 870; (32) 361; (33) 471.
review of literature, (26) 307. Colloidal— gels, water absorption and evaporation, (40) 27. hypothesis of permeability, (40) 818. metals, therapeutic value, (38) 585. mixtures— for studying protoplasmic action, (37) 325, 821. imbibition in, (40) 29. showing water relations of plants, construction, (40) 28. swelling, (35) 822; (39) 731. swelling, effect of bog and swamp waters on, (40) 520. phenomena in pollen-tube protoplasm, (40) 28, 818.	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in— animals, (38) 209, 574, 776. barley, (40) 825, 826. beans, (40) 536. cattle, (28) 366; (27) 771; (30) 469; (31) 266, 470; (40) 73, 367. Convolvulus, (40) 541. corn, (28) 331. field peas, (31) 333. guinea pigs, (26) 878; (27) 573; (30) 265, 266; (34) 464; (39) 877. horses, (27) 370, 467, 876; (30) 70, 373, 571; (31) 266, 870; (32) 361; (33) 471.
review of literature, (26) 307. Colloidal— gels, water absorption and evaporation, (40) 27. hypothesis of permeability, (40) 818. metals, therapeutic value, (38) 585. mixtures— for studying protoplasmic action, (37) 325, 821. imbibition in, (40) 29. showing water relations of plants, construction, (40) 28, swelling, (35) 822; (39) 731. swelling, effect of bog and swamp waters on, (40) 520. phenomena in pollen-tube protoplasm, (40) 28, 818. properties of plant mucilage, (40) 818.	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in— animals, (38) 209, 574, 776. barley, (40) 825, 826. beans, (40) 536. cattle, (28) 366; (27) 771; (30) 469; (31) 266, 470; (40) 73, 367. Convolvulus, (40) 541. corn, (28) 331. field peas, (31) 333. guinea pigs, (26) 878; (27) 573; (30) 265, 266; (34) 464; (39) 877. horses, (27) 370, 467, 876; (30) 70, 373, 571; (31) 266, 870; (32) 361; (33) 471. jute, (27) 428. mammals, (37) 866; (40) 869. mic, (28) 472; (27) 769; (30) 264; (40) 275.
review of literature, (26) 307. Colloidal— gels, water absorption and evaporation, (40) 27. hypothesis of permeability, (40) 818. metals, therapeutic value, (38) 585. mixtures— for studying protoplasmic action, (37) 325, 821. imbibition in, (40) 29. showing water relations of plants, construction, (40) 28. swelling, (35) 822; (39) 731. swelling, effect of bog and swamp waters on, (40) 520. phenomena in pollen-tube protoplasm, (40) 28, 818.	in plants, studies, (33) 224. in relation to chemical constitution, (40) 505. inheritance, (40) 665. inheritance in— animals, (38) 209, 574, 776. barley, (40) 825, 826. beans, (40) 536. cattle, (28) 366; (27) 771; (30) 469; (31) 266, 470; (40) 73, 367. Convolvulus, (40) 541. corn, (28) 331. field peas, (31) 333. guinea pigs, (26) 878; (27) 573; (30) 265, 266; (34) 464; (39) 877. horses, (27) 370, 467, 876; (30) 70, 373, 571; (31) 266, 870; (32) 361; (33) 471.

Color—Continued.	Columbia River, annual rise, (29) 812; (36) 19; (38)
inheritance in—continued.	511.
pigs, (30) 69; (31) 567; (32) 466.	Columbine— culture in Alaska, (29) 743.
pigs, (30) 69; (31) 567; (32) 466. pointer dogs, (31) 865. rabbits, (28) 768; (33) 757; (34) 370, 466	leaf miner, notes, (37) 255. leaf miner, studies, (36) 57.
Rotundifolia grapes, (31) 637. sorrel horses, (36) 270.	wilt disease, studies, (36) 57.
tobacco blossoms. (40) 442.	Colymbus auritus, notes, (27) 355.
wheat, (40) 525. laboratory of Bureau of Chemistry, (40) 16.	Colza— cakes—
numerical expression for, (37) 110.	adulteration, (26) 468.
production in iris flowers, (31) 626.	adulteration, (26) 468. effect on milk, (26) 477.
relation to sex and fertility in guinea pigs, (30) 472.	microscopic examination, (37) 416. oil, determination in mixtures, (37) 312.
standards and colorimetric assays, (35) 204.	oil, determination in mixtures, (37) 312. Comandra umbellata, parasitism, (34) 242. Combretum spp., analyses and digestibility, (27)
standards in biology, book, (29) 762. tests, biochemical, studies, (40) 114.	871; (32) 167.
washes, notes, (27) 599.	Comedo hookeri n.sp., description, (30) 59.
Colorado— College, notes, (28) 494; (29) 96; (33) 99; (40) 900.	cell proliferant of, (26) 580.
grass as a forage crop, (31) 829.	culture and composition, (32) 631. culture experiments, (29) 331.
grass, notes, (26) 362. River—	prickly, fertilizer experiments, (26) 631.
basin, hydrography, (32) 279.	prickly, varieties, (26) 631.
basin, profile surveys, (36) 784. control, (35) 579, 685.	Commelina nudiflora as a feeding stuff, (35) 561. Commerce, internal, of United States, (32) 90.
silt determinations, (37) 486.	Commercial—
rubber plant or pingue, description, (39) 386. Station—	geography, textbook, (28) 298. organizations in United States, (34) 290.
financial statement, (26) 692; (27) 396. notes, (27) 300; (28) 494; (29) 96; (33) 99.	Commiphora africana, analyses and digestibility,
notes, (27) 300; (28) 494; (29) 96; (33) 99. report, (30) 197; (31) 694; (33) 96; (36) 693;	(27) 871; (32) 167. Commission on—
(37) 599; (39) 397.	bovine tuberculosis in New York, (31) 498.
report of director, (26) 692; (27) 396.	Industrial Training and Technical Education
Colored solutions, acidimetry of, (39) 503. Colorimeter—	in Canada, (31) 401. meat supply of United States, (30) 96.
description, (35) 612.	Commodities—
dilution, description, (32) 20. Duboseq, converting into nephelometer, (34)	prices in Tokyo, (28) 491. prices of, (26) 359.
503.	prices of in 1912, (29) 190.
new form, (39) 503. observations, source of error in, (34) 805.	trend of prices since 1890, (26) 689. Communal kitchens in Europe, (39) 367.
Colorimetric determination of organic substances,	Community—
(40) 712. Colorimetry, new apparatus for, (37) 803.	and national life, lessons in, (40) 197.
Coloring—	center, functions and organizations, (39) 690. centers, suggestions for, (36) 92.
extracts, preparation, (30) 615. matter, detection in—	development, plan, (38) 694.
edible fats, (31) 811.	gardens—see also Gardens. supervising, (31) 195.
fruit juices, (28) 608.	improvement—see also Rural communities.
edible fats, (31) 811. fruit juices, (28) 608. milk, (37) 131. tea, (30) 207.	clubs, (31) 690. markets, (39) 894.
matter— elimination by the udder, (30) 474.	school building at wheaton, Minnesota, (37)
photodynamically active, effect on plant	793. service week in North Carolina, (32) 388.
cells and fissues, (34) 223.	Compass plants, leaf position, (28) 228.
photodynamically active, effect on plant cells and tissues, (34) 223. plant, chemistry, (27) 310. separation, (27) 497.	Complement— action, studies, (33) 280.
Colors— artificial, use in food products, (29) 661.	binding test, diagnostic value, (26) 283.
comparison, (32) 20. effect on plants, (28) 36.	effect of arsphenamin and mercuric chlorid on, (40) 287.
Colostrum—	fixation—
analyses, (26) 80; (38) 780.	as affected by temperature, (37) 688; (38) 79. effect on protein metabolism, (30) 478.
as affected by parturition, (37) 172. biochemistry, (27) 208.	in tuberculosis, (40) 481, 886, 887.
bodies, biology, (32) 80. catalytic activity, (29) 717. cell content, (28) 370.	in tuberculosis, (40) 481, 886, 887. mechanism of, (30) 276.
catalytic activity, (29) 717.	nonspecific, studies, (34) 779. preparation of bacillary extracts for, (30)
change into normal milk, (38) 780.	281.
chemistry of, (31) 573. detection, Schardinger reaction, (26) 211.	reactions, value, (26) 180. relation to precipitins, (30) 478.
hemolytic power. (27) 208, 811.	studies, (39) 80, 284.
human, antibody content, (29) 778. investigations, (28) 18.	fixation test— antigens containing cholesterol for, (32) 272
notes, (26) 161, 673.	diagnostic value for abortion in cows, (29)
proteins of, (37) 8. toxic character in milk fever, (27) 185.	586. multiple pipette for, (35) 680.
Colpitis granulosa, causative agent, (26) 285.	pipette holder for, (40) 581.
Colpitol, description, (30) 578.	utilization, (26) 676. fixation with protein substances, (40) 286.
Colpoda cucullus— bactericidal power, (27) 317.	preservation, (38) 80; (39) 584.
bactericidal power, (27) 317. prevalence in soils, (29) 622; (32) 619. Colf shows, directions for, (33) 697.	Compositae, pollen-presentation mechanism, (34) 727; (38) 225; (39) 29.
Colts	Composts—
breaking and training, (33) 271.	as an aid to soil building, (36) 197. inoculation with soil, (36) 516.
draft, developing, (29) 773; (34) 175. feed cost, (39) 168.	of plant materials, Philippine, (39) 523.
newborn, weakness in, (39) 187. Cult's foot brown leaf spot, studies, (26) 852.	preparation, (30) 520. Compression, effect on root structure, (32) 825.

Compalium	Congreto-Continued
Compsilura— concinnata, dispersion in New England, (33)	Concrete—Continued. oil-mixed—
254.	description and use, (28) 85.
concinnata, notes, (37) 459, 764. oppugnator n.sp., description, (31) 456.	tests, (30) 487, 889; (33) 685. overwet, tests, (31) 387.
Compsomyia macellaria, relation to myiasis aurium,	pavements—
(31) 777. Comstockiella sabilis in California, (37) 563.	cracking and buckling, (38) 891. design, (36) 890.
Conarachin, chemistry of, (37) 8, 501.	design, (36) 890. failure of, (30) 386. for roads, (33) 685.
Concanavalin—	stresses on, (31) 186.
chemistry of, (37) 8 studies, (40) 308.	tests, (30) 387. use of hydrated lime in, (31) 387.
Conchaspis angrocci—	permeability tests. (32) 788.
notes, (27) 255.	pipe for irrigation, (36) 583.
on vanilla, (40) 56. Conchita peluda, culture, (31) 736.	pipe, reinforced, tests, (31) 781. Portland coment, proportions (39) 86
Conchuela affecting Sudan grass, (33) 717.	pormeability tests, (32) 788. pipe for irrigation, (30) 583. pipe, reinforced, tests, (31) 781. Portland cement, proportions, (39) 86. posts, mold for, (32) 788. preparation and tests, (35) 790.
Concrete— aggregates for, (34) 87, 485, 685.	preparation and tests, (35) 790. pressure pipe, construction and tests, (23) 484.
aggregates, specifications, (36) 683.	proportioning, (29) 386; (32) 484. protection against destructive agents, (29) 386.
aggregates, tests, (31) 91; (38) 593. amount of water for, (35) 493.	protection against destructive agents, (29) 386. protective coatings for, (31) 784.
arch bridges, internal temperature range, (29)	reinforced—
786.	as affected by salt in warm climate, (40) 787. construction, treatise, (31) 186.
as affected by—	designing and estimating for, (31) 290.
acids, oils, and fats, (29) 184. alkali, (32) 381, 787. alkali salts and sea water, (29) 686.	for farms, (27) 589.
alkali salts and sea water, (29) 686. calcium chlorid, (36) 286.	shrinkage and time effects in, (34) 787. treatise, (27) 688.
hydrated lime, (31) 687.	reinforcement bars, strength tests, (36) 684.
hydrated lime, (31) 687. hydrogen sulphid, (28) 589.	resistance to wear, (34) 484. roads—
molsture. (27) 891. salts, (30) 589.	and pavements, treatise, (30) 386.
Suage, (32) 590.	bituminous coatings for, (38) 692. construction, (27) 386; (31) 289, 290; (33) 781, 782, 890; (35) 390, 492; (36) 285; (39) 687. construction, standards for, (31) 289.
various substances, (29) 891. as protection for wood-stave pipe, (34) 890.	782, 890; (35) 390, 492; (36) 285; (39) 687.
beams, reinforced, design, (28) 86.	construction, standards for, (31) 289. contraction and expansion of, (31) 290; (37)
beams, reinforced, design, (28) 86. blast-furnace slag, tests, (39) 87. blocks, machines for, (26) 91; (30) 487.	
bridges—	design. (36) 890.
construction, (32) 686.	expansion, (31) 290.
reinforced, test, (31) 91. specifications, (34) 685.	gradation of aggregates for, (35) 584; (37) 787. hydrated lime for, (34) 787: (35) 86
treatise, (30) 788.	in New York, (27) 890.
buildings, reinforced, tests, (30) 293. chute for water, (33) 586.	cracking, (31) 185; (35) 492; (37) 88. design, (36) 890. expansion, (31) 290. gradation of aggregates for, (35) 534; (37) 787. hydrated lime for, (34) 787; (35) 86. in New York, (27) 890. in Outarlo, (33) 289. in Wayne Co., Michigan, (27) 789. measuring wear of, (34) 787.
coating with tar, (34) 889.	measuring wear of, (34) 787. mixtures for, (37) 490.
construction—	mixtures for, (37) 490. of Lake County, Ohio, (36) 384.
college instruction in, (36) 400; (38) 95. for gardens and lawns, (27) 645.	pamphlet, (30) 589.
inspection, treatise, (30) 487. manual, (32) 188.	reinforcement for, (36) 587.
on livestock farms, (27) 89.	resistance to wear, (34) 484. roller finishing, (38) 189.
treatise, (27) 484; (30) 188.	specifications, (34) 685. specifications and construction, (30) 290.
work in cold weather, (29) 291. culverts—	treatise, (30) 386.
cost data, (37) 885. plans, (32) 485, 686, 884. specifications, (33) 291.	treatise, (30) 386. sand for, (32) 484. sand for, testing, (31) 386.
plans, (32) 485, 686, 884.	sand, grading, (38) 389.
destruction by moor water, (31) 290.	screened gravel for, (39) 87.
draintile—	silos, handbook, (26) 790. slab bridge design, (40) 189.
as affected by alkali, (34) 87, 584. construction, (34) 685.	slab bridge design, (40) 189. slabs, reinforced, loads for, (35) 86. slabs, reinforced, tests, (35) 290; (36) 788; (38)
durability, (35) 386; (39) 393.	490.
reinforced, tests, (40) 787.	slabs, tests, (38) 189, 289.
drilling as a test for, (30) 787. durability in alkali solls. (39) 86; (40) 386.	strength as affected by— moisture, (29) 487.
durability in alkali solls, (39) 86; (40) 386. effect of too much water in mixing, (29) 386.	saturation, (30) 203.
effect of varying the percentage of water in, (33) 292.	temperature, (34) 880. water, (37) 490.
electrolysis of, (28) 589.	strength, tests, (34) 685.
expansion and contraction, (37) 884. farm buildings, construction, (32) 888.	tile, tests, (26) 685. treatise, (28) 186; (35) 289, 390; (36) 285; (37) 590.
fence posts, construction, (28) 200; (31) 487, 685.	use in drainage and irrigation, (32) 787.
flat slabs, design, (34) 685. flow under sustained loads, (38) 290.	use in farm buildings, (28) 487; (29) 689. use in irrigation, (37) 281.
freezing and thawing, (40) 786. friction on various sub-bases, (38) 290.	use in the garden, (37) 746.
grain elevators, design, (34) 685.	use of blast furnace slag in, (33) 684. use on farms, (30) 487; (32) 86; (34) 485; (38) 87,
gravel and sand for, (35) 493. gravel deposits in Iowa, (32) 188.	291, 292.
gravel deposits in Iowa, (32) 188. hydrated lime in, (35) 291; (40) 788.	v. macadam for roads, (33) 588. viaduct, construction, (34) 86.
in sanitary farm equipment, (34) 273; (36) 675.	washed sand and gravel in, value, (29) 183.
interior temperature during setting, (26) 214.	washed sand and gravel in, value, (29) 183. waterproofing, (28) 289, 290; (29) 787; (35) 493. wear tests, (36) 683.
lining for canals, placing, (35) 186. lining for irrigation canals, (32) 380, 481. materials, tests, (35) 390.	wet, pressure on forms, (35) 582. wet, pressure test, (30) 293.
materials, tests, (35) 390. mixtures, proportioning, (40) 787.	wet, pressure test, (30) 293. work, forms for, (31) 590; (32) 86.
	,

Condensed milk, see Milk.	Conifers—Continued.
Condenser, preventing drip from, (40) 806. Condenser, reflux, notes, (29) 800.	mistletoe injury to, (35) 459.
Condensers—	natural root grafting, (36) 144. of central Europe, handbook, (30) 742.
laboratory reflux, comparison, (36) 413.	Japan, (36) 539.
new, descriptions, (40) 308, 709.	North America, leaf characters, (37) 147.
adulteration, detection, (26) 312.	Rocky Mountains, (39) 546. the British Isles, treatise, (28) 843.
adulteration, detection, (26) 312. aromatic substances of, (27) 268.	ornamental, culture, (33) 143.
artificial coloring, (27) 809; (28) 510.	plantations in Massachusetts, (33) 645.
(29) 412, 506; (30) 314; (32) 109.	red heart rot, studies, (35) 155; (40) 160. reproduction by layering, (28) 344.
chemistry of, progress in, (26) 405; (27) 310; (29) 412, 506; (30) 314; (32) 109. colloid chemistry, (27) 310.	reproduction in New England, (35) 747.
detection of benzoic acid in, (27) 715.	spraying experiments, (29) 252.
examination, (26) 69, 355; (31) 509, 557.	stem lesions due to heat, (40) 53.
examination and judging, progress in, (26) 408. fresh, enzymic action, (30) 463. methods of analysis, (29) 412; (30) 201. value in the diet, (29) 664.	structure of bordered pits, (35) 223; (37) 125. structure of tracheids, (29) 217. taking impressions of year rings, (26) 842.
methods of analysis, (29) 412; (30) 201.	taking impressions of year rings, (26) 842.
Condition powders, examination and valuation,	transplanting tools for, (26) 842. valiation in size of ray pits, (33) 615.
(28) 616.	western, destrictive distillation, (34) 509.
Conduits, location, (31) 90.	wood, identification, (33) 143. wood structure, (28) 440.
Condylura cristata, notes, (31) 154.	Coniodictyum chevalieri, studies, (27) 51.
Cone beetles, studies, (33) 458. Confectioners' establishments, inspection, (26) 462.	Contonnora cerebella—
Confectionery—	biology, (27) 355. infection of wood by, (33) 651. notes, (26) 551; (29) 157; (35) 252; (37) 253. on living trees, (35) 459.
analyses, (32) 253, 560.	notes (26) 551: (20) 157: (25) 252: (27) 252
examination, (26) 661.	on living trees, (35) 459.
from vegetables, (29) 60.	Studies, (30) 850; (34) 547; (39) 553; (40) 350.
establishments, law in Ohio, (33) 662. evamination, (26) 661. from vegetables, (29) 60. methods of analysis, (38) 315. stores, inspection, (29) 661, 766; (31) 658. use of talc in, (33) 364.	Contosportum—
use of talc in. (33) 364.	gečevi as cause of corncob rot, (31) 642. gečevi n.sp., description, (26) 446.
Conference	gečevi n.sp., description, (26) 446. oryzinum n.sp., notes, (37) 148. spp. on sugar cane, (38) 550.
for education in the South, (28) 800.	spp. on sugar cane, (38) 550.
on Rural Education in Massachusetts, (32) 689. Congenital cataract in a foal, treatment, (26) 288.	Coniothecium— chomatosporum—
Congo red, use in culture media, (29) 528.	notes, (32) 344, 644; (34) 543.
Congochrysosoma n.g. and n.sp., description, (37)	strictes, (37) 842: (39) 149
359. Congress of—	sp., notes, (31) 746. Coniothyrium—
Alimentation at Liège, (32) 662, 760.	Car y ogenum—
Tropical Agriculture, (30) 198.	n.sp., description, (30) 453. transmission, (39) 763.
Coniatus indicus n.sp., description, (35) 365. Coniferae, oils of, (33) 18, 203, 409; (34) 607.	coffeae, notes, (38) 51.
Coniferous—	diplodiella, notes, (30) 247.
root parasite, (39) 254.	fuckelii— dissemination by tree crickets, (35) 548.
rusts, host relationships, (40) 645. seed characteristics, importance in natural	notes, (27) 250; (32) 544; (34) 55; (38) 546.
seed characteristics, importance in natural reproduction, (39) 750.	relation to apple canker, (34) 653.
seeding diseases, (40) 545.	hellebori, notes, (26) 844. kraunhiae, n.sp., description, (27) 848.
seedlings— as affected by shade and moisture, (39) 751.	melasporum on sugar cane, (40) 157.
damping off, (26) 57; (28) 246; (31) 647; (36) 547; (37) 46; (38) 553; (39) 57.	n.spp., descriptions, (34) 242; (37) 748.
547; (37) 46; (38) 553; (39) 57.	oleae n.sp., description, (35) 353. oleae, notes, (26) 849.
Fusarium disease of, (30) 653. root rot of, (34) 546.	opuntiae n.sp., description, (30) 746.
white spot of, (36) 449.	opuntiae n.sp., description, (30) 746. paeoniae n.sp., description, (37) 550.
seeds— destruction by squirrels, (31) 154.	pirinum, inoculation experiments, (27) 651; (31) 150.
germination power of, (26) 842.	pirinum, studies, (29) 643; (35) 152, 547. sacchari, notes, (37) 553.
Conifers—	sacchari, notes, (37) 553.
abnormal wood in, (35) 43. as affected by mistletoe, (39) 57.	tirolense, variation in, (38) 731. trabuti n.sp., description, (27) 752.
blights of nursery stock, (30) 151.	Conium maculatum, notes, (30) 145.
chermes affecting, (35) 56.	Conjunctival reaction, diagnostic value, (26) 379.
cones and seeds, insect damage to. (31) 548.	Conjuncitivitis— in man, (33) 450.
crossote penetration tests, (31) 743. culture experiments, (32) 542.	pseudomembranous, in horses, treatment, (30)
damaged by squirrels, (26) 552.	385.
dicaceas in Italy (34) 520: (38) 351	Connecticut— College, notes, (27) 98, 397, 799; (28) 396, 696;
damaged by squirrels, (20) 552. dichotomous key, (27) 347. diseases in Italy, (34) 539; (38) 351. diseases, notes, (27) 548; (30) 152.	College, notes, (27) 98, 397, 709; (28) 396, 696; (29) 96, 195, 697; (30) 796; (31) 307; (32) 599; (33) 300, 699; (34) 96; (35) 95, 697; (37) 97, 496, 896.
durability tests, (35) 241, 656.	300, 699; (34) 96; (35) 95, 697; (37) 97, 496, 896.
exotic, in Netherlands, (39) 352.	State Station— financial statement, (27) 798; (29) 599.
for re-afforestation, (40) 248.	food and drug reports, index, (34) 458.
for shelter belts. (40) 841.	notes, (27) 696; (28) 696; (31) 397, 900; (32)
form height tables for, (35) 347.	94; (30) 499, 899; (37) 190, 700, 890; (30) 899; (30) 300- (41) 302 805
growing season, (39) 122. handbook, (26) 642.	report, (29) 599; (31) 396; (34) 95; (36) 97; (38)
honey fungus of, (35) 155.	financial statement, (21) 748; (29) 509. food and drug reports, index, (34) 458. notes, (27) 696; (28) 696; (31) 397, 900; (32) 94; (36) 499, 899; (37) 196, 700, 896; (38) 699; (39) 399; (40) 398, 695. report, (20) 599; (31) 396; (34) 95; (36) 97; (38) 297; (39) 799.
importance of mixed stands, (27) 542.	report of board of control, (27) 798. work of, (32) 496.
insects affecting, (39) 656. Japanese, seed and seedling structure in, (29)	Stations, notes, (27) 900; (29) 195; (30) 900; (35)
240.	300, 697.
Japanese, wood structure, (29) 344. leaf cast, studies, (36) 52.	Storrs Station— financial statement, (27) 492.
leaf east, studies, (36) 52. leaf oil industry, (35) 317. liming experiments, (33) 739.	financial statement, (27) 492. notes, (27) 98, 696; (28) 396; (29) 697; (31)
liming experiments, (33) 739.	300; (37) 496, 896; (39) 399; (40) 495, 695.

Connecticut—Continued.	Cooking—Continued.
Storrs Station—Continued.	by electricity, (27) 403; (30) 166, 862; (31) 558, 856; (32) 65; (33) 67, 68, 461, 565; (36) 763. by electricity, economics of, (35) 267. by electricity in cafeteria, (34) 861.
report, (32) 291; (38) 497. report of director, (27) 492.	by electricity, economics of (35) 267
Conognatha magnifica, notes, (30) 657.	by electricity in cafeteria, (34) 861.
Conophthorus spp. injurious to pines, (33) 458.	Chinese and Japanese, recipes, (32) 764.
Conopidae, notes, (36) 255.	Chinese, recipes, (40) 560, 865.
Conorhinus— megistus, biology, (26) 755.	cooperative or public, (39) 769.
rubrofasciatus—	cost of fuels, (40) 658. Creole, manual, (32) 358.
host of kala-azar parasite, (28) 655.	destruction of vitamins by, (31) 660.
relation to Kala-azar, (37) 358.	during early history of Rome, (33) 462.
trypanosome from, (27) 555.	effect on—
spp., transmission of trypanosomes by, (30) 853. Conorhynchus luigionii, notes and remedios, (29)	digestibility of foods, (28) 66; (32) 760. milk, (29) 160.
562.	water content of foods, (26) 462.
Conostegia subhirsuta, nematodes affecting, (28)	encyclopaedia, (26) 66. fireless, notes, (32) 495.
658.	fireless, notes, (32) 495.
Conostigmus rodhaini n.sp., description, (29) 563. Conotelus mexicanus—	for the sick and convalescent, (29) 898. gas and electric, tests, (27) 65.
notes, (37) 847.	instruction in—
on cucumber, (40) 853.	continuation schools, (33) 792.
Conotrachelus—	graded schools of Wisconsin, (33) 195.
crataegi, see Quince curculio.	London, (38) 394. Porto Rico, (33) 397.
erinaceus, destruction by white fungus, (26) 454.	rural schools, (30) 462.
fissunguis, studies, (40) 754.	vocational schools, (33) 397.
juglandis, life history and habits, (28) 553.	Italian, notes, (38) 662.
juglandis, notes, (28) 561; (38) 762; (40) 259.	laboratory guide and notebook, (33) 697.
nenuphar, see Plum curculio. sp., fumigation experiments, (32) 650.	laboratory manual, (37) 94. lessons in, (28) 493, 693, 795; (35) 898; (36) 497 low-temperature, (40) 865.
spp., notes, (30) 357.	low-temperature. (40) 865.
Conringia orientalis, analyses, (33) 466.	New Mexican, booklet, (38) 568.
Conservation—	New Mevican, booklet, (38) 568. oven temperatures in, (31) 350. paper bug, book, (28) 863. temperatures for, (38) 366. textbook, (32) 394; (33) 598; (34) 395; (40) 693, 899.
Commission of California, report, (30) 599. law in New York, (37) 244.	temperatures for (38) 366
Conserves for the army, (34) 365.	textbook, (32) 394; (33) 598; (34) 395; (40) 693, 899.
Consomme, examination, (31) 659.	training of Doys III, (30) 336, 705.
Contarinia—	utensils—
nasturtii, notes, (28) 355.	aluminum alloys for, (34) 257. enameled, danger from, (31) 260.
pyrivora, notes, (27) 755; (28) 752; (30) 655, 657; (34) 752.	field, notes, (32) 562.
sorghicola, see Sorghum midge.	field, notes, (32) 562, nickel, solubility, (32) 561, 763, nickel, usefulness, (33) 68.
sorghicola, see Sorghum midge. tritici, see Wheat midge.	nickel, usefulness, (33) 68.
viticola, notes, (30) 756. Contheyla rotunda, life history and habits, (38)	tinning, (27) 767. Cooks—
359.	supervision of health of, (30) 863.
Contingency, multiple and partial, theories, (36)	training school for, (26) 262.
166.	Coontail, culture for wild ducks, (33) 251.
Controdora sp., notes, (27) 556. Convection—	Cooperage—industry in Canada, (26) 445.
diurnal system, (32) 24.	stock industry in United States, (30) 845.
planetary system, (35) 419.	treatise, (29) 644.
Conventzia hageni—	Cooperation—See also Agricultural cooperation.
notes, (28) 457. parasitie on red spider, (32) 157.	and coordination in scientific effort, (39) 601. in various countries, (27) 269.
Convict—	Cooperative-
labor for road work, (36) 386.	associations, accounting system for, (33) 191, 192.
road camp, experimental, (38) 789.	farm implement societies, (39) 594.
Convolvulus— arvensis—	movements, success of, (31) 294. organizations, (38) 895.
analyses and feeding value, (33) 70.	organizations, suggestions for, (32) 792.
extermination, (26) 236.	societies, by laws for, (31) 291.
inheritance in, (40) 541.	storage and marketing in France, (40) 688.
Cooker, thermal storage, description, (33) 461.	Wholesale Society Limited, history, (31) 193. Cooperia oncophora in calves, (29) 384.
Cookers, fireless— construction and use, (36) 467.	Cooperia-Zephyranthes hybrids, description, (29)
homemade. (31) 299.	341.
homemade, (31) 299. notes, (38) 867; (40) 361. tests, (26) 762.	Cooper's dip, dosage for sheep, (27) 683; (28) 82. Coosa River, average stream flow, (27) 316.
tests, (26) 762.	Coot—
Cookery (op) 100, (no) 100, 414) 40, (no) 100	European, as a game bird, (31) 555.
for campers, (27) 463; (30) 763; (34) 46; (38) 469.	North American, distribution and migration,
French, treatise, (32) 662. history of, (36) 497.	(32) 55. Coover, Adah B., biographical sketch, (39) 799.
in high schools, (35) 897.	Copestylum marginatum, notes, (28) 451.
in schools, report on, (31) 261.	Copidosoma—
instruction, cards for, (32) 495.	sp., polyembryony, (40) 653.
oriental, book, (31) 259.	truncatellus, parasitism, (31) 458.
Cooking— appliances electric (40) 559	Copper— acetate and carbonate, fungicidal coefficient,
appliances, electric, (40) 559. army, manual, (37) 166; (38) 567.	(40) 253.
571137, Institute, (37, 100, 133, 307.) boilers for poultry farms, (32) 591. book, (26) 261; (27) 461, 868; (28) 259, 566, 863; (29) 61, 362, 464, 661, 766; (30) 259, 365, 462, 559, 560, 763, 862, (31) 259, 260, 557, 857; (32) 265, 394, 495, 558, 662, 763; (33) 165, 662, 753; (34) 273, (27) 201,	and phosphate mixtures as sugar reagents, (38)
DOOK, (26) 261; (27) 461, 868; (28) 259, 566, 863; (20) 61 362 464 661 766 (20) 250 265 462 550	614. antagonism to alkali salts, (39) 619.
560, 763, 862, (31) 259, 260, 557, 857; (32) 255.	arsenate, effect on sugar cane roots, (38) 238.
394, 495, 558, 662, 763; (33) 165, 662, 753; (34)	arsenite, analyses, (26) 65.
184, (01) 004.	carbonate—
book, Jewish, (39) 472. books, bibliography, (29) 567.	fungicidal value, (34) 745. insecticidal and larvicidal value, (34) 359.

Copper—Continued.	Copper—Continued.
chlorid, effect on—	sulphate, effect on—continued.
activity of malt diastase, (29) 528.	cereals, (29) 151.
starch ferments, (27) 109.	germination of cereals, (29) 346.
compounds— effect on irrigated crops, (38) 28.	germination of wheat, (28) 242; (30) 242, 837; (32) 749.
of organic acids, toxicity for protozoa, (37)	(02) 140.
375.	growth of barley, (32) 121. microorganisms, (39) 27.
protein of, (37) 8.	nitrification in soils, (35) 321.
toxicity toward plants, (33) 327.	olives, (26) 825.
detection, (34) 112.	plants, (27) 130, 131; (30) 130.
detection in water, (34) 410.	sprouting of potatoes, (32) 829.
detection in water, (34) 410. determination, (33) 612; (34) 611.	sulphate—
determination in—	for rice, (39) 235.
canned goods, (26) 408.	fungicidal action, (28) 552.
canned goods, (26) 408. conserves, (26) 208; (32) 114.	hydrolysis and oxidation in soil, (39) 522.
copper sulphate, (33) 313; (35) 314.	preparation, (40) 801.
foods, (31) 502.	sulphate, production—
gelatin, (40) 712.	and use in 1913, (32) 425.
gelatin, (40) 712. sprays, (32) 114.	and use in 1913, (32) 425. and use in 1913–1915, (35) 631.
епест оп—	In 1915–1916, (37) 524.
Aspergillus niger, (30) 630, 824.	sulphate—
nitrogen-fixing bacteria, (38) 428	sprays, preparation, (39) 851.
nutrition and health, (30) 762.	use against olive jumagine, (26) 850.
plant growth, (36) 520.	use in soil distillection, (33) 250.
ferrocyanid—	use on moor soils, (39) 439.
fungicidal value, (35) 40; (39) 348. tests, (28) 48.	toric effect on plants (29) 699
fungicidal value, (35) 352.	use against olive furnagine, (26) 850. use in soil disinfection, (33) 250. use on moor soils, (39) 439. valuation, (33) 313. totic effect on plants, (38) 628. tube, crushing by lightning, (34) 118.
fungicides—	use against cryptogamic diseases, (30) 648.
absorption by notatoes, (28) 648	use against tuberculosis (33) 677
absorption by potatoes, (28) 648. physiological effects, (28) 247. preparation and use, (27) 254; (28) 247.	use against tuberculosis, (33) 677. use on cranberries, (39) 749.
preparation and use, (27) 254; (28) 247.	utilization by Aspergillus niger, (29) 628.
studies, (26) 853.	Copperized oil as a wood preservative, (32) 841.
in cocoa and chocolate, (28) 862.	Copra—
flora of copper-tailing region, (37) 432.	cake—see also Coconut cake.
fresh tomatoes, (37) 263. green oysters, (36) 861. orchard soils, (31) 720.	meal, analyses, (36) 167; (40) 665.
green oysters, (36) 861.	nutritive value, (28) 673. composition and nutritive value, (34) 565.
orchard soils, (31) 720.	composition and nutritive value, (34) 565.
sous, (31) 720.	cost of production, (29) 439.
soils and water, effect on crops, (37) 527.	drying, (26) 513.
methods of analysis, (34) 13. mixtures, methods of analysis, (26) 205. new precipitants for, (31) 109. oxid, effect on germination of seeds, (29) 528. oxychlorid, fungicidal value, (26) 853.	examination, (26) 611.
mixtures, methods of analysis, (26) 205.	Indian trade in, (40) 231.
new precipitants for, (31) 109.	meal as a feeding stuff, (38) 368. preparation, (29) 840; (32) 236, 315. studies, (39) 107, 108.
outer, enect on germination of seeds, (29) 525.	preparation, (29) 840; (82) 280, 815.
Togetion consisting (40) 907	Studies, (39) 107, 108.
reaction, sensitive, (40) 807. reduced, determination, (40) 114.	comatus, prevalence in South Africa, (29) 461.
salts—	micocone transmission by tree crickets (24)
as food preservative, (30) 364.	micaceus, transmission by tree crickets, (34) 653; (35) 548.
bactericidal and fungicidal action, (35) 181.	sterquilinus, spore generation and release, (35)
detection in wood, (26) 242.	431.
salts, effect on—	Coprophagia and Ascaris lumbricoides, (39) 681.
ammonification in soils, (31) 120.	Coprosterol, determination in feces, (40) 15.
catalase, (26) 504.	Coptodisca splendoriferella, notes, (30) 657.
nitrification in soils, (29) 529; (30) 424; (31)	Coptorhynchus sp., notes, (27) 857.
120,	Coptotermes—
nutrition and health, (29) 762.	formosanus n.sp., description, (35) 255. gestroi, notes, (31) 156.
wheat, (31) 218; (35) 324.	gestrol, notes, (31) 100.
salts—	Coquillettina plankii n.g. and n.sp., description,
of amino acids, pharmacology and toxi- cology, (39) 685.	(34) 360. Coquina, use in agriculture, (40) 816.
use against tuberculosis. (29) 481	Coraebus spp., notes, (27) 863.
use against tuberculosis, (29) 481. use in greening foods, (27) 868; (28) 662.	Coral—
silicifluorid as a wood preservative, (30) 646.	or normana filtowing motorial (20) 790
solution-	rock phosphate, fertilizing value, (35) 428. sand, examination, (36) 319.
action on sucrose, (35) 504.	sand, examination, (36) 319.
by fungi, (26) 853. for sugar determination, (40) 613.	COLDIT, 66369, (66) 56.
for sugar determination, (40) 613.	Corchorus—
sprays—	capsularis, fertilizer experiments, (33) 432.
acid and basic, (39) 151, 548; (40) 158.	olitorius, culture in Egypt, (34) 232.
fungicidal value, (34) 243, 643.	Cordials, judging, (28) 209.
hot, insecticidal action, (34) 243.	Cordyceps—
preparation, (40) 843.	barberi, description, (33) 459. barberi, notes, (29) 52.
wetting power, increasing, (29) 850. stearate, fungicidal value, (40) 746.	clabicipitis n.sp., description, (36) 48.
sulphate—	n.sn., notes. (36) 153.
analyses, (26) 26.	n.sp., notes, (36) 153. sp., notes, (28) 746.
and chloral hydrate, antagonistic action on	sp. on files, (36) 360.
and chloral hydrate, antagonistic action on peas, (30) 728; (32) 35.	spp., descriptions, (33) 459.
antiseptic and germicidal value, (37) 176.	Cordylobia—
as pole preservative, (27) 148.	anthropophaga, life history and habits, (27) 759.
potato disinfectant, (40) 450.	anthropophaga, notes, (31) 551.
soil disinfectant, (31) 621.	(Stasisia) rodhaini, notes, (36) 359.
vermifuge, (38) 884.	Coregonus—
vermifuge, (38) 884. destruction of algae by, (38) 731. destruction of horsetail by, (31) 741.	sp., analyses and curing, (31) 356.
destruction of horsetall Dy, (31) 741.	spp., breeding in Switzerland, (35) 774.
sulphate, effect on—	Coremium sp., notes, (30) 751; (40) 252. Coreopsis, cut, preservation, (31) 837.
argae in urmaing water, (60) 100.	iander, culture under dry farming, (30) 435.
algae in drinking water, (36) 183. ammonification, (28) 724. apple roots, (39) 40.	iaria myrtifolia as marjoram adulterant, (39) 669.
attive reads (as) as	

Corigetus bidentulus n.sp., description, (35) 365.	Corn-Continued.
Coriscus ferus—	againmilation of
destruction by white fungus, (26) 454.	nitrogen by, (26) 32; (28) 225; (37) 223. organic phosphates by, (29) 423. bacterial disease, new, (37) 48.
notes, (32) 654.	bacterial disease, new, (37) 48.
Cork—composition, (31) 312.	Darren, composition, (40) 550.
formation of fat in, (31) 312.	harren stalks, (37) 536; (38) 849.
ground, conservation of grapes in, (28) 437.	barrenness, studios, (40) 624. beetle in Rhodesia, (39) 565.
insects affecting, (26) 60. stoppers, insects affecting, (31) 155.	beetle, notes, (34) 751.
Corks, extraction apparatus, treatment, (38) 411.	behavior of organic substances in, (39) 526, belt, climatic and edaphic factors, (39) 734.
Corn—	belt, climatic features, (40) 117.
abnormalities due to —	belt, climatic features, (40) 117. biennial cropping, (32) 226; (38) 430.
copper treatment, (39) 526. smut infection, (28) 447.	billbug—
acidity investigations, (30) 734; (31) 525.	control, (40) 655. life history, (35) 760.
albinism in, (33) 131. alcohol from, (28) 715.	life history and habits, (29) 56.
aleurone color factors, (40) 436.	notes, (28) 653.
among Indians of the unper Missouri, (39) 738	southern, (36) 157; (37) 666. studies, (26) 862; (27) 162; (37) 666.
amylase, studies, (31) 669. analyses, (26) 266, 267, 770; (27) 170, 570, 872; (28) 265, 335; (29) 470, 633; (31) 366, 431, 464, 470, 864; (32) 862; (33) 71, 568, 761; (34) 630, 667; (39) 773.	porer
(28) 265, 335; (29) 470, 633; (31) 366, 431, 464,	European, in Massachusetts, (39) 62. European, notes, (31) 252. in young plants, (39) 358. lined, notes, (33) 252.
470, 864; (32) 862; (33) 71, 568, 761; (34) 630,	in young plants, (39) 358.
and alfalfa for fattening lambs, (26) 73.	lined, notes, (33) 252.
and alfalfa hay for lambs, (31) 867.	bran— analyses (26) 468 568 665 (27) 570 670
and coh	bran— analyses, (26) 468, 568, 665; (27) 570, 670; (28) 364, 464; (29) 270, 666; (30) 67, 68, 169, 868; (31) 663, 863; (32) 169, 667, 862; (33) 371; (34) 72, 169, 263, 467, 665, 767; (36) 167, 268, 667, 765; (38) 67, 369, 665; (39) 167, 270, 370; (40) 72, 571, 665. ash analyses, (29) 861. description, (40) 72. digestibility, (31) 863; (39) 171. mineral constituents, digestibility, (40) 769. brandy, tudging, (26) 209.
ground, analyses, (34) 767. meal, analyses, (26) 468, 568; (27) 774; (28) 464; (29) 666; (31) 863; (32) 667; (34) 665; (36) 167; (38) 665; (39) 270; (40) 665. and corn products, use in the diet, (38) 662.	868; (31) 663, 863; (32) 169, 667, 862; (33)
464; (29) 666; (31) 863; (32) 667; (34) 665;	371; (34) 72, 169, 263, 467, 665, 767; (36) 167, 268, 667, 765, (38) 67, 369, 665, (39) 167
(36) 167; (38) 665; (39) 270; (40) 665.	270, 370; (40) 72, 571, 665.
and corn products, use in the diet, (38) 662. and cowpeas, associated growth, (33) 226; (37)	ash analyses, (29) 861.
731; (38) 32.	description, (40) 72.
and cowpeas, seeding together, (35) 826.	mineral constituents, digestibility, (40) 769.
and legumes, associated growth, (33) 527. and oats, analyses, (40) 665.	brandy, judging, (26) 209. bread, recipes, (37) 364.
and oats, ground, analyses, (27) 170; (29) 367.	breakfast foods, manufacture and use, (28) 861.
and oats, ground, analyses, (27) 170; (29) 367. and peanuts as a mixed crop, (37) 734.	breeding, (29) 633, 737; (40) 523.
and pig clubs, combining, (30) 694.	handing
and pig clubs, combining, (30) 094. and rye, analyses, (32) 667. and sorghums, transpiration, (39) 440.	and selection experiments, (35) 32. experimental error in, (39) 831, 832. experiments, (26) 833; (27) 737, 741; (28) 232; (29) 229; (30) 231, 336; (31) 331, 734; (32) 536, 827; (33) 34, 331; (34) 144; (35) 229, 336, 531, 829; (36) 735, 838; (37) 226, 827; (83) 231, 336; (39) 31, 338, 339, 746; (40) 33, 323,
and soy deans—	experiments, (26) 833; (27) 737, 741; (28) 232;
as silage crop, (40) 135. associated growth, (38) 338.	(29) 229; (30) 231, 336; (31) 331, 734; (32)
for silage, seeding experiments, (40) 135.	536, 827; (33) 34, 331; (31) 144; (35) 229, 336,
for silage, seeding experiments, (40) 135. and teosinte, crossing experiments, (26) 40. and teosinte hybrids, immunity to aphids, (38)	231, 336; (39) 31, 338, 339, 746; (40) 33, 323,
and teosinte hybrids, immunity to applies, (38) 561.	024, 020.
and the westward migration, treatise, (37) 94.	experiments, personal equation in, (26) 784. for protein and oil, (32) 733.
anomalies of, (32) 131.	blan ior. (39) 339.
anomalies of, (32) 131. anomalous seed, (39) 32. anomalous seeds and bud sports in, (36) 134.	statistical study, (38) 232. Work with northwestern Indian varieties,
antagonistic effect of salts on, (30) 824.	(39) 738.
antagonistic effect of salts on, (30) \$24. antineuritic vitamins in, (38) 581, 869. artificial pollination, (20) 535.	brown rust, studies, (29) 45.
	budworm, notes, (30) 56.
as affected by— barium and strontium, (40) 819.	bushel weights, (37) 889. by-products, analyses, (27) 570: (28) 464: (29)
borax in ferterlizer, (40) 322.	by-products, analyses, (27) 570; (28) 464; (29) 271; (39) 270.
detasseling, (33) 426.	cake, analyses, (30) 268.
Diplodia zeae, (36) 217. disinfectants, (26) 820. distance of planting, (30) 436. frost, (30) 138. guanidin, (28) 427. kerosene, (32) 427.	canned, examination, (26) 68; (28) 357; (32) 161; (38) 166.
distance of planting, (30) 436.	canned, starch in, (35) 765.
frost, (30) 138.	canning, (39) 165.
kerosene, (32) 729.	canning industry in United States, (32) 210. "Cariaco," tests, (33) 536.
lead nitrate, (26) 225.	characters in, analysis, (28) 534.
lead nitrate, (26) 225. lithium salts, (28) 526. manganese suiphate, (26) 226. maturity and harvesting methods, (40) 330. radioactivity, (30) 224. soil fertility, (39) 339. soil temperature, (38) 530. submersion, (32) 299	chlorophyll inheritance, (39) 825. chlorosis in, (31) 221.
maturity and harvesting methods, (40) 330.	chlorosis, studies, (26) 243; (33) 522; (38) 48.
radioactivity, (30) 224.	ahon
soil temperature (38) 530	annlyses, (26) 467, 568, 665, 768; (27) 469; (28) 464, 572; (29) 270, 467; (30) 565; (31) 366, 863; (32) 568, 667, 862; (33) 870; (34) 169, 263, 467; (30) 765; (38) 369, 572; (39) 370; (40) 571. digestibility, 37) 678. digestibility and productive value (37) 865
	366, 863; (32) 568, 667, 862; (33) 870; (34)
as dry-farm crop, (37) 637; (39) 131, 736. feeding stuff, (32) 97, 200. food, (31) 555, 656; (38) 265.	169, 263, 467; (36) 765; (38) 369, 572; (39)
food (31) 555 656 (38) 265	870; (40) 571.
10rgga eron (31) \$20	digestibility and productive value, (37) 865.
host of curlew bug, (27) 162. silage crop, (31) 829; (39) 33, 134, 227, 231, 737; (40) 134, 330, 331, 332, 336, 337, 431, 731, 733, 735.	heating, (28) 168.
737: (40) 134, 330, 331, 332, 336, 337, 431.	club— champions in 1913, (30) 399.
731, 738, 735.	contests, notes, (28) 395.
sole ration for animals, (33) 367, 662; (39) 71.	work, contests for, (28) 493.
source of nitrogen in rations, (28) 264. substitute for rice in Philippines, (32) 64.	clubs— in Arkansas, (33) 95.
supplement for wheat in bread making, (37)	Kentucky, (32) 197.
263.	Philippines, (30) 395; (32) 495.
ash analyses, (29) 861.	rural schools, (32) 693,

Corn-Continued.	Corn-Continued.
clubs—continued. in Southern States, (32) 492.	in New South Wales, (31) 831; (36) 439;
in Southern States, (32) 492. Virginia, (29) 599. notes, (32) 898.	(40) 526. North Carolina, (30) 37; (36) 95.
suggestions for, (31) 793, 794.	Northwest, (37) 437. Nyasaland, (26) 829.
cob and other ear characters, relation, (38) 532.	Philippines, (26) 361; (28) 634; (40) 228,
effect on baking quality of wheat, (34) 558. poisoning horses, (39) 892.	231, 627. Rhodesia, (40) 230, 333, 825.
seeds, variation in during maturity, (28) 525.	sand hills of Nebraska, (35) 827.
commercial grades, (31) 73. competition in, (27) 431.	South Africa, (31) 227. South Dakota, (40) 34.
composition, (31) 431.	Southeastern States, (35) 639. Texas, (28) 738; (29) 429.
composition and—	the East, (27) 639. Tucuman, (37) 134.
digestibility, (33) 568. yield, as affected by width of rows, (29) 533. composition as affected by—	
companion crop, (26) 617.	Wisconsin, (28) 828.
companion crop, (26) 617. fertilizers, (40) 434. irrigation, (28) 332.	Washington, (35) 339. Wisconsin, (28) 828. lessons on, (28) 598. new method, (31) 629. on muck solls, (33) 33.
composition at different stages, (31) 431; (36) 36.	on muck soils, (33) 33. on Ozark uplands, (38) 217.
contests for boys and girls, (28) 194. contests in Rhode Island, (28) 299.	on Wisconsin drift soil, (36) 623.
cooperative experiments, (27) 430. correlation—	relation to rainfall, (33) 715. rotations for, (27) 531.
of aleurone and chlorophyll factors, (37) 526. of characters in. (30) 830: (35) 531.	rotations for, (27) 531. treatise, (27) 640; (29) 830; (31) 898; (32) 228, 434, 829; (38) 93.
of characters in, (30) 830; (35) 531. studies, (33) 426.	under dry farming, (26) 828; (30) 435; (31)
cost of production, (26) 830; (28) 41; (29) 690; (32) 135, 594, 688; (33) 34, 293; (34) 137; (35) 691; (37) 191; (40) 292. cost of production in— Fill Islands, (27) 234.	under dry farming, (26) 828; (30) 435; (31) 429; (33) 632; (36) 439, 528, 529; (37) 329; (39) 131.
cost of production in—	under shade, (27) 741.
Fiji Islands, (27) 234. Great Plains area, (33) 231.	Williamson plan, (27) 433, with soy beans, (39) 336.
Fig Courth (20) 204	with velvet beans, (39) 529. cutworms affecting, (29) 252.
cover crops for, (40) 133. cracked, analyses, (26) 568, 665; (27) 171; (28) 265, 669; (29) 270, 467; (31) 467; (32) 667, 862; (34) 665; (36) 268, 765; (37) 268; (38) 572. critical period of growth, (35) 617; (39) 811	cutworms affecting, (29) 252. Dahomey white, analyses, (28) 359. day annual for schools of Illinois, (31) 298.
265, 669; (29) 270, 467; (31) 467; (32) 667, 862; (34) 665; (36) 268, 765; (37) 268; (38) 572.	degerminated, analyses, (29) 367. dent, scoring, (28) 492. depth of sowing tests, (27) 835.
critical period of growth, (35) 617; (39) 811. crossbreeding, (26) 634; (29) 229; (34) 228, 529.	depth of sowing tests, (27) 835.
crushed, analyses, (26) 568.	destruction by crawfish, (27) 551. deterioration, (29) 7.
crushed ear, analyses, (29) 270. cucujus, notes, (26) 453.	
cuctijus, notes, (26) 453. culture, (26) 844; (27) 337, 339; (28) 299; (29) 193, 229, 335, 395, 830; (30) 37, 435; (31) 432, 693, 791; (32) 132, 226; (33) 36; (34) 337, 529, 630, 694; (35) 33, 593; (36) 95; (37) 396, 642;	determination of soundness, (31) 525. determining proper stand, (40) 299. development, factors affecting, (35) 827. development, studies, (33) 226. dist avassiva affects of (31) 880
693, 791; (32) 132, 226; (33) 36; (34) 337, 529,	development, studies, (33) 226.
(39) 034.	diet, excessive, enects of, (31) 859. diet, relation to pellagra, (26) 871.
culture— contest in Iowa, (33) 697.	dietary deficiencies, (36) 360. dietary properties, (37) 164, 264, 767.
contests in Alabama, (28) 194. continuous, (31) 430; (40) 419.	development, Sudies, (Ss) 226. diet, excessive, effects of, (S1) 859. diet, relation to pellagra, (26) 871. dietary deficiences, (36) 360. dietary properties, (37) 164, 264, 767. different types, water absorption, (40) 137. digestibility, (28) 335; (32) 866; (37) 672. dipteran pest, (40) 56. direct parification, (40) 460.
continuous, effect on soils, (35) 813.	dipteran pest, (40) 56.
continuous, v. rotation, (33) 35. effect on height of stalk and ears, (33) 729.	direct panification, (40) 460. disease in Porto Rico, (37) 839.
oxperiments, (26) 38, 233, 422, 437, 630, 733, 735, 830; (27) 136, 232, 430, 529, 530, 533	diseases—
cxperiments, (28) 38, 233, 422, 437, 630, 733, 735, 830; (27) 136, 232, 430, 529, 530, 533, 638; (28) 135, 136, 233, 534, 633; (29) 137, 223, 225, 226, 425, 630, 736, 738, 830; (30) 229, 632, 282; (31) 628, 829; (32) 132, 430, 431, 520, 529, 530; (33) 31, 34, 35, 231, 332, 529, 730, 530; (24) 43, 56, 231, 332, 539, 730, 530; (24) 43, 526, 731, 735, 736, 736, 736, 736, 736, 736, 736, 736	and insect pests, (38) 834. descriptions, (30) 351.
229, 632, 828; (31) 628, 829; (32) 132, 430,	in West Indies, (37) 452; (40) 155. notes, (26) 446; (31) 841; (33) 146; (35) 245.
431, 526, 529, 580; (33) 31, 34, 35, 231, 332, 528, 729, 830; (34) 34, 228, 431, 434, 735;	studies, (39) 149. distance experiments, (29) 737, 738; (36) 131; (38)
528, 729, 830; (34) 34, 228, 431, 434, 735; (35) 135, 337, 338, 827, 829; (36) 132, 133, 332, 735, 820; (37) 32, 226, 329, 436, 529,	31, 335,
585, 780, 784; (38) 31, 217, 229, 384, 386,	distillery residues, effect on composition of milk, (29) 374.
430, 527, 630, 632, 634, 736, 826, 827, 829, 830; (39) 127, 128, 217, 227, 335, 336, 339,	distribution of nitrogen in, (36) 269. downy mildew, notes, (31) 51, 242.
435, 436, 437, 632, 834, 835; (40) 34, 228, 319, 329.	drills, tests, (27) 387; (30) 292. drought resistance and stomata in, relationship,
experiments in India (40) 230 523	(30) 628.
experiments in Queensland, (40) 230. experiments in Rhodesia, (40) 230, 825. for slage, (32) 431.	drought resistance of, (28) 633. drought-resistant strains, (36) 131.
ior suage, (32) 431. in Argentina, (35) 136.	dry rot, notes, (34) 242. dry rot, studies, (36) 48.
in Argentina, (35) 136. Bessarabla, (29) 335. California, (26) 234. Dutch East Indies, (30) 697.	dry rot, studies, (36) 48. drying, (37) 509. drying and storing, (27) 277.
Dutch East Indies, (30) 697.	ear and kernel, measurement, (38) 33. ear characters in, (36) 197.
Egypt, (37) 233. Guam, (30) 37. Hawaii, (29) 633.	ear characters, relation to yield, (37) 136; (39)
Hawaii, (29) 633. Kansas, (39) 815.	635; (40) 435. ear rot, transmission by insects, (36) 55.
Kentucky and West Virginia, (29) 534. Manitoba, (30) 830.	ear rots, notes, (29) 793. ear, shuck protection, (39) 862.
Mexico. (32) 131.	early maturing, developing, (30) 197. ears, monstrosity in, (31) 51.
Michigan, (39) 320. Montana, (32) 134; (35) 735; (38) 135. Nebraska, (30) 831; (35) 438.	ears, monstrosity in, (31) bi. ears, soft, ensiling, (34) 371.
Nebraska, (30) 831; (35) 438. New Mexico, (40) 18.	ears, soft, ensiling, (34) 371. ear-to-row test, (30) 830; (35) 338. ear-type selection, (39) 339.
, ,,	

52831-26†--12

```
Corn—Continued.
food value, (30) 557.
for forage, experiments, (26) 632.
for forage, seeding rate, (40) 522.
Corn-Continued.
                 earworm-
                                  worm—control, (32) 551; (34) 63; (37) 760; (40) 352. dust sprays for, (36) 56. injurious to alfalfa, (29) 252. life history and habits, (32) 652. notes, (29) 652; (30) 356; (34) 62, 232; (38) 261, 445, 653.
                                                                                                                                                                                                                                                                          for forage, seeding rate, (40) 522.
for silage—
analyses, (33) 71; (35) 532.
cost of production, (34) 137.
culture experiments, (36) 32.
seeding experiments, (31) 35; (32) 530.
time of cuttinn, (37) 99.
varieties, (31) 35, 226; (32) 333, 827; (33) 631
(34) 139; (35) 229; (37) 435; (39) 128, 134
333, 435, 736, 835; (40) 134, 332, 431
yields, (37) 228; (38) 174.
for steers in South, (40) 873.
formation of sugar in, (28) 225.
from Sudan, (29) 633.
fungus disease affecting, (28) 150, 846.
Fusarium disease, studies, (36) 348.
germ cake, analyses, (30) 467.
germ cake for pigs, (26) 477.
germ, effect on milk and butter, (34) 570.
germ meal, analyses, (32) 464; (30) 166; (31) 863;
(32) 169, 667; (34) 263; (35) 562; (36) 268; (38)
67, 665; (39) 370; (40) 571.
germ meals, starch and hominy, feeding value,
(40) 668.
                                                                                                                                                                                                                                                                             for silage
                 effect of—
crossing on yield, (29) 533.
hybridization on maturity and yield, (39)
                 effect on-
                                   color of egg yolk, (26) 771; (31) 474. composition of following wheat crop, (34)
                230.
                                                                                                                                                                                                                                                                             (40) 668. germinability, in relation to temperature and humidity, (37) 736. germinated, meal from, (38) 665.
                                                                                                                                                                                                                                                                             germinated, meal from, (38) 665. germinating, constituents of, (35) 202. germination as affected by—carbon bisulphid, (28) 456. depth of planting, (36) 487. metallic compounds, (29) 528. salt concentration, (39) 732.
                     feed meal-
                    eed mea!—
analyses, (31) 863; (32) 667; (34) 72; (36) 268,
765; (37) 471; (38) 369; (39) 270, 370; (40)
571, 665.
description, (40) 72.
feeding value, (40) 668.
feeding value, (34) 867.
feeding value as affected by soaking, (26) 667.
                                                                                                                                                                                                                                                                            germination—
energy of, (29) 538.
in presence of quinonoids, (35) 129.
studies, (38) 24.
tests, (26) 795; (27) 737; (28) 831; (29) 740.
tests in hydrogen peroxid, (27) 201.
tests, value of (33) 36.
germs, acidity, (35) 770.
gluten feed—
analyses (20) 277, (22) 4
                                    ling value as affected by soaking, (20) 667.

illizer—
experiments, (20) 32, 422, 630, 631, 735, 817, 829, 830, 834; (27) 32, 187, 824, 629, 638, 639; (28) 34, 124, 230, 325, 338, 493, 721, 724, 734, 735; (29) 31, 32, 129, 137, 728, 731, 736, 525, 820, 821; (31) 38, 122, 331, 421, 428, 430, 432, 628, 829; (32) 132, 217, 226, 221, 423, 431, 434, 629, 630, 732, 733, 819, 829; (33) 23, 34, 35, 36, 828, 830; (34) 35, 128, 131, 294, 421, 431, 434, 529, 621, 622, 723; (35) 220, 336, 338, 531, 724, 728; (36) 212, 229, 436, 480, 828, 830; (34) 28, 22, 220, 336, 440, 627, 731; (38) 217, 218, 230, 335, 517, 619, 634, 820, 825, 828; (39) 21, 22, 127, 127, 335, 339, 421, 434, 436, 528, 531, 623, 624, 627, 736, 634, 820, 825, 828; (39) 21, 22, 127, 127, 335, 339, 421, 434, 436, 528, 531, 623, 624, 728, 738, 738, 825, experiments with bat guanos, (39) 426.
                     fertilizer-
                                                                                                                                                                                                                                                                             gluten feed—
analyses, (33) 371; (34) 72, 233; (37) 268; (38)
67, 368, 369, 572; (39) 773; (40) 571, 665.
and meal, analyses, (39) 370.
for lambs, (40) 374.
gluten meal, analyses, (31) 72, 371; (37) 268; (38)
67, 369; (40) 571, 665.
gluten, protein supplements for, (36) 666.
grades for, (32) 138, 433; (36) 208.
grading, (36) 230.
grading for planters, (28) 233.
graphic summary of seasonal work, (39) 495.
grazing off, (40) 371.
green—
                                                                                                                                                                                                                                                                                 green-
                                                                                                                                                                                                                                                                                                 analyses, (27) 170.
cost of distribution, (29) 492.
                                                                                                                                                                                                                                                                                                 judging, (23) 669.
manuring experiments, (36) 518; (30) 31, 326, 339, 423, 725; (40) 126.
steaming and ensiling, (31) 467.
                     experiments with oat guanos, (39) 428. formulas for, (31) 628. fertilizing in the hill, (35) 499. field tests in Fili, (40) 231. flakes, annlyses, (28) 464; (32) 169. flea-bectle—desert, (36) 658. notes, (26) 856; (33) 746; (34) 232; (36) 753.
                                                                                                                                                                                                                                                                                 grinding-
                                                                                                                                                                                                                                                                                                and shelling for hogs, (30) 100. for steers, (32) 864. power required for, (35) 586. stone and roller process, (33) 259.
                      flint-
                                        culture in Montana, (33) 526.
seeding depths, (40) 227.
                                                                                                                                                                                                                                                                                                   analyses, (36) 65; (38) 376; (39) 167. digestibility, (32) 69, 70; (37) 677.
                     flour-
                      analyses, (27) 570, 670.
digestibility, (40) 380, 657.
nutritive value, (35) 368.
recipes, (40) 67.
flower, effect on yield of rye and barley, (30) 531.
                                                                                                                                                                                                                                                                                 growing-
                                                                                                                                                                                                                                                                              growing—contest for boys, (27) 395.
with legumes, (40) 627, 729.
with oats and millet, (40) 822.
with pumpkins, (40) 230.
with soy beans, (40) 135.
with tobacco for shade, (40) 229.
growth and maturity as affected by soil moisture (20) 20
                      flowers-
                     abnormalities in, (29) 33, 629.
morphology, (36) 430.
perfect, (26) 40, 325.
fly or leafhopper, notes, (30) 358.
fodder—
                                                                                                                                                                                                                                                                                         ture, (39) 20.
                                                                                                                                                                                                                                                                                growth as affected by—
alkali salts, (34) 125.
Azotobacler, (28) 814.
carbon dioxid, (32) 422.
lead nitrate, (31) 226.
manganese, (30) 823.
meteorology, (29) 510.
radioactivity, (28) 731.
                                        analyses, (32) 169; (33) 759.
digestibility, (28) 363.
handling, (27) 589.
mineral constituents, digestibility,
                      following alfalfa, (39) 130, 436. following clover, (39) 436.
```

Corn-Continued.	Corn-Continued.
growth	kernelcontinued.
at different temperatures, (32) 334. daily course, (40) 31.	fasciation in, (36) 335.
in atmospheres lacking carbon dioxid and oxygen, (39) 526.	fasciation in, (36) 335. life history, (32) 898. variations, (39) 127.
oxygen, (39) 526.	Kernels—
relation to climate, (33) 116. relation to temperature and moisture,	analyses, (30) 868. heavy v. light, (39) 339.
(40) 19.	lace-bug, new, (39) 559.
shade, (29) 130. metabolism, and imbibition, (38) 729.	leaf—
on acid soil, (40) 324.	beetle, southern, investigations, (33) 358. blight, notes, (34) 844.
on cogon soils, (31) 38.	blotch miner, studies, (31) 158.
studies, (40) 233. studies, methods, (38) 526.	louse, notes, (29) 252.
Guinea, smut of, treatment, (40) 48.	miner, studies, (29) 257; (31) 158; (36) 256. leafhopper, parasites of, (37) 163, 847.
hail injury to, (35) 734. harvesting, (29) 534.	Leaming, notes, (26) 437.
harvesting with sheep, (38) 68.	leaves, heredity in, (28) 231.
nead smut, notes, (35) 45.	leaves, variation of water and dry matter in, (37) 637.
head smut, studies, (31) 747. heated, carbon bisulphid explosion in, (26) 864.	lessons on, (26) 392; (27) 394; (28) 393; (32) 197,
heterosis in, bearing on double fertilization, (40)	lime-magnesia requirements, (29) 521. liming experiments, (32) 31, 132; (34) 132, 133, 520; (35) 816; (36) 230; (39) 339, 421, 424, 434. linkage in, (39) 331; (40) 33 lobed leaves in, (37) 136. loss of weight in grinding, (30) 506. lya hulling for hominy, (34) 66.
high-protein strains, isolation, (40) 732.	liming experiments, (32) 31, 132; (34) 132, 133,
hill and row tests, technique, (39) 129.	020; (35) 816; (36) 230; (39) 339, 421, 424, 434.
history and culture, (35) 338.	lobed leaves in, (37) 136.
871: (36) 171, 767, 869: (37) 670: (38) 68: (30)	loss of weight in grinding, (30) 506.
history and culture, (35) 338. hogging down, (30) 69; (31) 471; (32) 224; (33) 871; (36) 171, 767, 869; (37) 670; (38) 68; (39) 173, 375, 778, 779, 878; (40) 75, 371, 471, 771.	lye hulling for hominy, (34) 66. malnutrition. (28) 345.
Hopi, drought resistance in, (30) 430.	malnutrition, (28) 345. maltase content, (31) 204.
humin nitrogen content, (40) 510. huskers and shredders, specifications, (37) 886	malting capacity, (40) 808. manurial value, (40) 127.
husks, use as tamale wrappers, (26) 234.	manuring experiments, (39) 335, 725.
hybrid strains, (40) 329. hybridization and selection, (38) 336.	marketing and grading, (33) 294. marketing in North Carolina, (33) 595.
hybridization experiments, (26) 833; (27) 428.	mass mutation in, (39) 432.
hybrids—	
and parents, comparison, (32) 133. chimeras in, (40) 826.	analyses, (26) 165, 468, 568, 665, 666; (27) 171, 774; (28) 265, 464, 465, 669; (29) 270, 570, 666, 769; (30) 67, 68, 169, 268, 868; (31) 467, 668, 863; (32) 259; (33) 71, 259, 371; (34) 371, 467, 469, 665, 668; (35) 867; (36) 167, 667; (38) 67, 368, 572, 665; (39) 773; (40) 470, 571
notes, (27) 339.	666, 769; (30) 67, 68, 169, 268, 868; (31) 467,
imports from Argentina. (31) 95.	663, 863; (32) 259; (33) 71, 259, 371; (34) 371,
notes, (27) 339. identification of races, (38) 33. imports from Argentina, (31) 95. improvement, (28) 737; (29) 736; (30) 336; (32) 630; (40) 327.	(38) 67, 368, 572, 665; (39) 773; (40) 470,
630; (40) 327.	
improvement— by selection, (32) 433.	analyses and feeding value, (39) 278. and flour, recipes, (39) 871.
by selection, (32) 433. in Nebraska, (29) 534.	and flour, recipes, (39) 871. as flour substitute, (37) 895.
Philippines, (36) 529. Russia, (29) 534.	as food, (30) 557. availability of nitrogen in, (26) 124; (27) 723
Uruguay, (34) 630.	Dorbet, ash analyses, (20) cor.
Improvers' Association of Nebraska, proceed- ings, (40) 826.	classification, (33) 259.
in the diet, recipes, (39) 67, 367, 768, 871.	composition and digestibility, (38) 68. composition and nutritive value as affected
in the diet, studies, (38) 108, 515.	by milling, (30) 865.
inbreeding experiments, (34) 228; (35) 441; (40) 323.	cracked, analyses, (35) 562. degerminated, keeping quality, (33) 260.
Indian recipes, (40) 172.	diet of prisoners, (31) 464. energy value, (33) 72; (36) 469; (38) 68. feeding value, (39) 782. grinding and uso, (28) 360; (30) 165. inspection in South Carolina, (28) 265.
inheritance— in (27) 737 740 (28) 534 739 (29) 34 333:	energy value, (33) 72; (35) 468; (38) 68.
in, (27) 737, 740; (28) 534, 739; (29) 34, 333; (30) 342; (34) 431.	grinding and use, (28) 360; (30) 165.
of alterations in, (34) 31. characters in, (27) 533. color in, (28) 331.	inspection in South Carolina, (28) 205.
color in. (28) 331.	manufactured by different processes, com position and keeping qualities, (33) 259
color in alcurone cells, (28) 63%.	nutritive value as affected by mining, (30
endosperm color in, (35) 227; (38) 28, 226, 737.	464. phosphoric oxid content. (33) 752.
mosaic pericarp color, (38) 332, 531. seed characters, (32) 726; (36) 521.	phosphoric oxid content, (33) 752. products, analyses and digestibility, (31)
seed characters, (32) 726; (36) 521.	products, composition and digestibility, (33
somatic variation in, (31) 135. sterility, (39) 746.	564.
waxy endosperm in, (30) 336. inoculation experiments, (28) 426.	relation to pellagra, (29) 768; (33) 464, 565
inoculation experiments with brown rot fungus,	662. studies, (28) 663.
(33) 247.	unbolted, analyses, (33) 870.
inosite phosphoric acids of, (39) 14.	use in sweet clover silage, (40) 10. measuring for feed, (39) 834.
insects affecting, (28) 553, 753, 857; (27) 453, 552, 554, 656; (28) 248; (30) 546; (31) 252, 548; (33) 153, 451; (34) 529, 851; (37) 460; (38) 54, 459, 834; (39) 556, 762, 861; (40) 453. irrigation, (29) 621; (31) 328; (36) 439. irrigation, experiments (28) 130, 132, 134, 588.	Mendelian chemical characters in, (29) 830. "Mercer," notes, (26) 437. mildew or dry rot, notes, (26) 447.
153, 451; (34) 529, 851; (37) 460; (38) 54, 459, 834;	"Mercer," notes, (26) 437.
irrigation, (29) 621; (31) 328; (36) 439.	mill market for, (38) 895.
irrigation experiments, (28) 130, 132, 134, 588,	milling experiments, (40) 556.
irrigation experiments, (28) 130, 132, 134, 588, 827; (29) 32; (30) 34, 886; (31) 428; (32) 37, 186, 225; (33) 237; (34) 721; (36) 886; (37) 85, 440; (38) 634; (40) 230.	mineral nutrition, (28) 224; (31) 221. moisture content in storage, (31) 331.
(38) 634; (40) 230.	moid, notes, (29) 793; (31) 041; (32) 337.
irrigation, fall, (87) 822. judging, (32) 631; (33) 898.	moldy, effect on horses, (30) 485. moldy, effect on live stock, (27) 156.
Judging Standing Leids, (20) 000.	Moqui Indian, culture experiments, (32) 526.
kernel	moldy, effect on live stock, (27) 156. Moqui Indian, culture experiments, (32) 526. Moro, notes, (30) 231. Moro, origin, (40) 234.
abnormal, (39) 32. amino acid in, (33) 665.	mosaic coherence of characters in, (29) 633.

Com Continued	Com Continued
Corn—Continued.	Corn—Continued. products—continued.
nitrate fertilizers for, (31) 831.	preparation, (38) 365.
nematode infection of, (36) 150. nitrate fertilizers for, (31) 831. nitrogen assimilation by, (27) 634.	vitamin content, (39) 314.
notes, (26) 362; (34) 337. nutritive value, (36) 158; (39) 266, 364, 368, 665,	protein—
666, 873.	and ash for growing animals, (37) 164. efficiency for milk production, (33) 276.
nutritive value and use in the diet, (29) 864.	efficiency for milk production, (33) 276. nutritive value, (28) 759; (29) 62; (32) 164; (36) 865; (39) 266, 364, 665, 666, 873.
oil as constituent of olive and cottonseed oils,	(36) 865; (39) 266, 364, 665, 666, 873.
(32) 161. oil cake, analyses, (26) 363; (27) 872; (36) 667.	supplements for (36) 560.
oil, detection, (28) 412; (29) 613.	utilization, (26) 358. utilization by man, (31) 555.
oil, digestibility and uses, (40) 268.	proterogynous habit of, (28) 737.
oil, hydrogenation, (29) 459.	radium fertilizer for, (32) 821.
011 meal—	ratio of tops to roots, (31) 628.
analyses, (26) 568; (27) 171, 570, 670, 872; (28)	raw, sterilized, and decorticated, food value, (40) 268.
465, 669; (30) 868; (35) 562, 867; (37) 471; (38) 369; (39) 270, 773; (40) 571.	red dog flour, analyses, (39) 167.
description (40) 72.	refuse, nutritive value, (29) 665.
digestibility, (28) 464. for pigs, (38) 372. oll, physical constants, (35) 312.	region, meteorological service, (39) 718.
oil physical constants (35) 319	relation— of anatomy to height of stalk and nitrogen
oil, production and use, (37) 511.	content (32) 829
oil, production in United States, (40) 614.	to climate, (28) 27. to pellagra, (28) 283, 486; (27) 568; (29) 175. removal of plant food by, (37) 232. removal of suckers, (39) 829. resistance to cold, (39) 825.
oil, refractive index, (27) 614.	to pellagra, (26) 263, 486; (27) 568; (29) 175.
old and new, nutritive value, (33) 466. on acid-magnanese soil, (39) 627.	removal of plant 100d by, (37) 232.
on inoculated soil, (39) 519.	resistance to cold. (39) 525.
pedigreed-	Anodesian, ear characteristics, (50) 754.
in Wisconsin, (40) 624.	right- and left-handedness in, (27) 236; (30) 335.
yields in Wisconsin, (37) 438.	root aphis—
pentosans in, (28) 312. Peronospora disease, (37) 552.	control, (28) 855; (33) 60; (35) 356.
Physoderma disease—	notes, (27) 656; (29) 252; (31) 250.
notes, (38) 351.	life history and remedies, (38) 54, 764. notes, (27) 656; (29) 252; (31) 250. root disease, treatment, (26) 733.
studies, (40) 846.	root parasites of, (31) 842.
phytin content, (31) 708. place effect, (38) 738.	root rot and wheat scab, relation, (40) 49. root system, (36) 827.
plant—	root systems and leaf areas, (35) 437.
factors affecting development, (37) 732.	root worm—
food removed by, (36) 40.	control, (39) 264.
louse, notes, (28) 653. vigor, relation to yield, (39) 636.	northern, life history and habits, (35) 356.
planter tests, value and method, (26) 398.	northern, notes, (29) 252. notes, (26) 654; (30) 56.
planters, tests, (28) 199, 233.	southern, the history and remedies, (27) 360.
planting—	southern, on artichoke, (40) 58.
and harvesting dates, (26) 533. dates, (37) 316.	western, notes, (32) 250.
experiments, (27) 339.	rotation experiments, (33) 231, 429, 828, 829;
various parts of ear, (29) 31.	(36) 528, 829; (38) 129, 334, 739; (40) 331, 431, 829.
plat arrangement for variety tests, (26) 434.	rust, notes, (37) 455.
pollen, physiology of, (33) 433. pollen, vitamin content. (40) 564.	rusts in Canada. (34) 51.
pollen, vitamin content, (40) 504. pollination, (36) 527.	salvage, analyses, (26) 714.
polination—	western, notes, (32) 250. roots, toxie excretion, (27) 30. rotation experiments, (33) 231, 429, 828, 829; (38) 528, 829; (38) 129, 334, 739; (40) 331, 431, 829. rust, notes, (37) 453. rusts in Barbados, (33) 446. rusts in Canada, (34) 51. salvage, analyses, (26) 714. sampling and grading, (36) 836; (38) 140; (40) 39. Selerospora macrospora on, (39) 753.
experiments, (28) 831; (30) 635; (32) 228; (37) 137.	
studies. (34) 233.	score card for, (26) 332. screenings, analyses, (28) 572.
technique, (40) 627. popability, (34) 145. potato stem borer on, (39) 160.	screenings, ground, analyses, (33) 371.
popability, (34) 145.	Seed— bod proporation (22) 222
preparation for—	bed, preparation, (33) 232. buying, (30) 734.
fattening steers, (33) 265.	buying, (30) 734. care, (27) 737.
food in Belgian Kongo, (31) 357.	curing, (31) 829.
hogs, (26) 599. steers, (38) 272.	disease-free, selection, (40) 526. from different parts of ear, tests, (26) 829;
preservation. (29) 312.	(33) 635.
preservation by pressure, (32) 416. press cake, analyses, (40) 72.	germination tests, (27) 138; (34) 139, 830.
press cake, analyses, (40) 72.	handling and planting, (29) 335.
prices and shrinkage, (34) 337.	home-grown v. imported, (38) 738; (40) 431. home-grown, value, (27) 736.
prices, geographical phases, (89) 895. Production Act of Great Britain, (40) 589, 891.	homemade testers for, (31) 139.
production—	maggot, notes, (20) 454; (32) 448; (35) 363. notes, (28) 298.
and prices in United States, 1908-1918, (40)	DOIGS, (28) 298.
93. and rainfall, correlation, (35) 14.	preparation for planting, (31) 190. preparation, primitive methods, (40) 137.
in Brazil, (40) 826.	preparation, primitive methods, (40) 137. preservation, (36) 439.
1911, (26) 595, 792.	protection from wireworms, (33) 657.
Russia, (26) 294.	purchasing and testing, (27) 138.
in Brazil, (40) 828. in Brazil, (40) 828. in 1, (26) 595, 792. Russia, (26) 294. St. Vincent, (39) 835. United States, (26) 293. 1918 program, (38) 833.	protection from wheworms, (33) 657. purchasing and testing, (27) 138. sale by United States Department of Agriculture, (38) 834.
1918 program, (38) 833.	selecting and storing, (31) 331. selecting, curing, and testing, (34) 35. selection, (29) 332; (29) 736; (36) 638; (38) 335, 434; (40) 135.
productive offers	selecting, curing, and testing, (34) 35.
as affected by inbreeding, (28) 232.	Selection, (26) 532; (29) 736; (36) 638; (38)
of first generation crosses, (26) 634. products—	seed, selection—
analyses, (29) 367.	and care. (35) 136, 229.
as human food, (32) 560.	curing, (35) 735.
growth-promoting properties, (40) 67. manufacture and use, (28) 861.	storage, (39) 637; (40) 34. testing, (38) 739. experiments, (37) 830.
nentocens in (28) 212	erneriments (37) \$30.

Corn—Continued.	Corn-Continued.
seed—	suckers, economic value, (29) 31, 35.
situation, review, (29) 634.	sucrose from, (34) 113.
storage, (34) 139; (40) 334. storing under tropical conditions, (39) 738.	Sugar content as affected by detasseting, (31) 44
testing, (26) 299; (28) 42; (29) 899; (31) 394;	431; (32) 434; (33) 426; (34) 434; (35) 227. sugar, review of literature, (31) 409.
testing, (26) 299; (28) 42; (29) 899; (31) 394; (33) 898; (38) 834; (39) 238. treatment, (39) 238, 363; (40) 443.	supplements for pigs, (38) 473. sweet, see Sweet corn.
treatment, (39) 238, 363; (40) 443.	sweet, see Sweet corn.
viability as affected by age, (31) 624. seeding experiments, (29) 224, 225; (30) 232; (35)	tables for wagonloads, (32) 42. tassels as affected by soil conditions, (31) 831.
828; (37) 226, 232, 734; (39) 130, 338, 830; (40) 730.	tassels as affected by soil conditions, (31) 831. temporary roots in, (35) 135. tester, homemade, description, (27) 491.
seedlings as affected by—	tester, homemade, description, (27) 491.
cerium chlorid, (31) 326. position of grain on cob, (39) 533.	textbook, (30) 635. thinning experiments, (33) 36.
ultraviolet rays, (26) 430.	threshing machine for, (32) 134.
seedlings, translocation of seed protein reserves in, (37) 24.	transformation of nitrogen by, (29) 133. translocation of mineral constituents, (34) 427
selection, (31) 525.	transporation of mineral constituents, (34) 427 transporation, (36) 226; (39) 440, 517.
selection experiments, (33) 35; (37) 32, 636, 732;	transpiration and photosynthesis, (36) 525.
(39) 339, 835; (40) 522, 623.	transpiration and photosynthesis, (36) 525. trash compost, nitrogen content, (39) 523.
self-fertilization, (40) 33. self-pollination, determination, (37) 537.	treatise, (31) 331; (34) 529. use by prehistoric Americans, (38) 167.
shelled, official standards, (40) 39.	use of machinery in cutting, (39) 794.
shelled, v. clover hay for sheep, (29) 572.	utilization of hydrocyanic acid by, (31) 730.
shock, ensiling, (33) 274. shock, for silage, (32) 666.	utilization of sugar by, (36) 125.
shocked, and beet tops, silage from, (28) 873.	v. alfalfa hay for cows, (32) 74, 863, 871. v. barley for pigs, (40) 72.
shoots, etiolated, absorption of nitrogen by,	v. cane for shage, (31) 36,
(35) 435. shrinkage—	v. mangels for forage, (28) 41. v. oats for mules, (30) 772.
in, (33) 36.	v. oats for work horses, (37) 195.
in transit, (30) 337.	v. sorghum for forage, (35) 529. v. wheat for hens, (39) 74, 275.
tests, (38) 840. shucks—	variation and growth in, (33) 28.
chloroform extract of, (31) 71.	variation in due to fertilizers. (29) 435.
composition, (27) 668.	variations in, (39) 837.
digestibility, (27) 669; (37) 168. silage, see Silage.	Varieties (26) 233 437 535 634 733 735 829
silk beetle, notes, (34) 555.	830, 834; (27) 32, 234, 334, 336, 529, 533, 637, 638
silk beetle, notes, (34) 555. silks, oxydeses in, (30) 709.	736; (28) 230, 531, 533, 534, 734, 736; (29) 31, 32
Silver King, for northern Iowa, (30) 87. simple exercises with, (27) 598.	737: (30) 37, 229, 231, 435, 525, 635, 734, 829
sirup and corn sugar manufacture (38) 266.	829; (31) 133, 135, 226, 331, 430, 432, 525, 628
sirup, standards för, (29) 867. smut—	629, 732, 828, 829; (32) 221, 226, 332, 333, 430
cause and treatment, (30) 47.	variations in, (39) 837. variegated pericarp in, (37) 737. varieties, (26) 233, 437, 535, 634, 733, 735, 828 830, 834; (27) 32, 234, 334, 336, 529, 533, 637, 638 736; (28) 230, 531, 533, 534, 734, 736; (29) 31, 32 137, 138, 222, 225, 330, 335, 426, 429, 530, 631, 736 737; (30) 37, 229, 231, 435, 525, 635, 734, 825 829; (31) 133, 135, 228, 331, 430, 432, 525, 632 629, 732, 823, 829; (32) 224, 226, 332, 333, 430 431, 626, 527, 528, 529, 832, 330, 730; (33) 33 4, 35, 36, 430, 528, 529, 728, 828, 830; (34) 139 227, 229, 431, 433, 434, 735; (35) 229, 337, 338 339, 526, 828, 830; (37) 29, 32, 35, 227, 228, 229, 23 233, 329, 330, 334, 436, 520, 531, 536, 636, 732 730, 823, 824; (38) 31, 33, 131, 335, 336, 480, 431 532, 632, 634, 828, 829, 830, 831; (39) 337. varieties—
description and treatment, (26) 341; (31) 446;	227, 229, 431, 433, 434, 735; (35) 229, 337, 338
(39) 248. dissemination and treatment. (33) 51.	828, 829, 832; (37) 29, 32, 35, 227, 228, 229, 232
dissemination and treatment, (33) 51. introduction into New South Wales, (26) 52.	233, 329, 330, 334, 436, 529, 531, 536, 636, 728
life history and treatment, (28) 445. notes, (35) 348; (39) 851. notes and treatment, (28) 51. studies, (37) 750; (38) 249; (40) 314. smuts in Burbados, (33) 445.	730, 823, 824; (38) 31, 33, 131, 335, 336, 430, 431
notes and treatment. (28) 51.	Varieties—
studies, (37) 750; (35) 249; (40) 314.	acclimated, (40) 329.
smuts in Barbados, (33) 445. soaked, feeding value, (39) 777.	for Arkansas, (30) 337. for dry farming, (39) 736.
soaked, less of nutrients from. (31) 357.	for Massachusetts, (28) 335.
soft or flour, (37) 799.	in Ohio, (26) 437.
soit, utilization, (38) 532, 571.	old Indian, (39) 738.
soaked, loss of nutrients from, (31) 357. soft or flour, (37) 799. soft, utilization, (38) 532, 571. softs in United States, (37) 799. spacing experiments, (33) 830; (40) 736. spoiled, relation to pellagra, (31) 858. spraying v. dusting, (33) 551.	taxonomy, (40) 627. tropical, (34) 306.
spoiled, relation to pellagra, (31) 858.	tropical, adaptations in, (39) 837.
spraying v. dusting, (32) 551. spurry seeds as conce substitute, (40) 508.	variety— many-eared, (31) 525.
spurry, varieties of, (30) 399.	testing, methods, (26) 436. tests, (39) 127, 227, 233, 336, 337, 338, 436, 437 528, 737, 738, 835; (40) 31, 34, 228, 230, 328
starch content, (31) 828; (35) 108.	tests, (39) 127, 227, 233, 336, 337, 338, 436, 437
statistical notes, (40) 626. steamed, composition and digestibility, (31) 467.	329, 331, 431, 523, 524, 624, 729, 823.
storage, (34) 529.	tests, experimental error, (39) 830, 831.
stored—	viability and vigor as affected by position or cob, (34) 134.
disinfection, (30) 849. insects affecting, (31) 58, 353.	viability tests. (34) 145.
variations in weight of, (31) 235.	water requirement in India, (27) 429, 432; (29) 826; (32) 127, 335; (33) 726; (34) 228, 720; (35) 529, 823; (38) 227, 228, 619.
stover— amylolytic activity, (32) 503.	820; (32) 127, 335; (38) 720; (34) 228, 720; (30, 529, 823; (38) 227, 228, 619.
as feeding stuff, (35) 669.	weather factor for, (35) 114.
ash analyses, (29) 861.	weevil—
effect on bacterial activity of soils, (35) 216.	life history and remedies, (28) 455.
energy value, (33) 72. feeding value, (40) 666. for silage, (39) 272.	on Gull Coast, (40) 861. remedies, (38) 768. resistance in, (31) 354.
for silage, (39) 272.	resistance in, (31) 354.
frozen, analyses, (36) 65. silage, studies, (38) 270, 802.	shuck protection against, (39) 862. weight ratios, (36) 131.
study of in Philippine Conege of Agriculture,	white flint, development, (35) 336, (37) 529.
(83) 597.	wilting coefficient, (32) 335. wireworm—
subsoiling experiments, (28) 827; (31) 131; (33) 34. substitutes for pigs, (31) 868; (40) 668.	habits and anatomy, (34) 556.
sucker production in, (28) 537.	habits and anatomy, (34) 556. notes, (29) 252, 888; (32) 555; (35) 467.
suckering, (33) 34. suckering, cause, (26) 234.	slender, studies, (30) 545. studies, (33) 63, 158.

Cern-Continued.	Coronilla minima, analyses, (33) 466.
worm, pink	Corotoma trifurcata, effect on cowpeas, (40) 860.
in New South Wales, (40) 453. studies, (35) 256.	Corozo palm leaf spot, description, (39) 52. Corpus luteum—
worm, small pin, notes, (36) 56.	effect on ovulation, (32) 671; (33) 96.
venia in, (28) 739.	extracts, effect on cows, (29) 578. function, (27) 174; (28) 571.
yield as affected by — change of place, (38) 738,	of pregnancy in swine, (40) 663.
change of place, (38) 738. climate, (28) 433. detasseling, (26) 735.	of the fowl, studies, (40) 664.
ear characteristics. (27) 836.	pigments of, (31) 274. substance, effect on growth and—
ear characteristics, (27) 836. hybridization, (32) 133. number of stalks per hill, (33) 730.	egg production, (34) 668.
	sexual development, (34) 766. supply of, (33) 86.
source of seed, (27) 432; (32) 226. sulphur, (34) 726. tillage, (38) 815.	Correlation coefficient—
sulphur, (34) 726.	computation, (40) 870.
weather, (31) 213, 220; (35) 618; (38) 317, 319,	discussion, (36) 166. limitations and applicability, (37) 621.
415; (39) 418.	Correlation—
yield— on alfalfa stubble, (33) 828.	in farm survey data, (37) 269. tables, formation, (27) 870.
per acre, 1866-1917, (40) 490.	theories for meteorology and agriculture, (86)
per-acre unit v. score card for, (29) 633.	419.
yield, relation to— nitrogen and phosphorus content of soil,	Corrosive sublimate— absorption by potatoes, (29) 242.
(40) 316.	as milk preservative, (32) 576.
physical properties of soils, (33) 815. temperature, (39) 319.	as wood preservative, (30) 647. effect on starch ferments, (27) 109.
yield tests, experimental error, (39) 829.	for rye smut, (28) 647.
yields, (26) 638; (29) 32; (34) 228; (40) 731.	for seed grain, (28) 846.
yields— and prices, 1866–1915, (36) 832.	for winter grains, (27) 351. fungicidal value, (31) 242.
in Chester Co., Pennsylvania, (39) 621.	poisoning of live stock by, (34) 279.
of fodder, (40) 330, 331. of selected strains, determining, (39) 129.	Corthylus punctatissimus, notes, (30) 357; (33) 252.
Cornaphis populi n.g. and n.sp., description, (31)	calceum, notes, (28) 350.
351.	javanicum, notes, (26) 851.
Corncob— ashes, analyses, (26) 715; (40) 621.	javanicum, studies, (27) 746. laeve, notes. (27) 445.
ashes, analyses, (26) 715; (40) 621. meal, analyses, (26) 665.	lilacofuscum, notes, (35) 51; (36) 347; (39) 151.
rot, studies, (31) 642. Corncobs—	ochroleucum, notes, (35) 749. salmonicolor—
analyses, (27) 170; (38) 626.	notes, (27) 451; (28) 241; (29) 547, 749; (34) 448, 849; (35) 251; (36) 852; (38) 53, 759; (40)
effect on soil potash, (36) 625. ground, analyses, (34) 665, 767; (38) 369.	
ground, effect on soil phosphates, (34) 421.	155. on fig. (39) 757.
use, (40) 17.	on fig, (39) 757. or C. javanicum on rubber, (32) 54.
use in gas manufacture, (28) 115.	studies, (33) 151; (37) 52, 452. treatment, (29) 552; (30) 845. sp., notes, (27) 749; (28) 649.
900; (27) 99, 198, 398, 493, 600, 699; (28) 94, 195, 397;	sp., notes, (27) 749; (28) 649.
(29) 98, 196, 398, 699; (30) 300, 497, 699, 797; (31)	spp. on rubber, (34) 744; (37) 253, 349.
(34) 198, 695, 900; (35) 97, 399, 798; (36) 695, 797;	stevensii n.n., description, (40) 49. vagum—
(37) 98, 498, 600, 898; (38) 499, 699; (39) 96, 300, 500,	notes, (34) 840; (35) 48.
Use in gas manufacture, (25) 115. Cornell University, notes, (26) 97, 300, 397, 797, 900; (27) 99, 198, 398, 493, 600, 699; (28) 94, 195, 397; (29) 98, 196, 398, 699; (80) 300, 497, 699, 797; (31) 197, 399, 497, 797; (32) 95, 397, 695; (33) 198, 795; (34) 198, 695, 900; (35) 97, 399, 798; (36) 695, 797; (37) 98, 498, 600, 898; (38) 499, 699; (39) 96, 300, 500, 607; (40) 199, 498, 697. Cornifower color, studies, (31) 324. Cornifors elautalis, notes, (28) 451.	notes, (34) 840; (35) 48. pathogenicity, (32) 446. studies, (37) 155; (40) 545.
	vagum solani—
Cornstalk— heetle, notes, (34) 757.	notes, (29) 647; (31) 344. relation to sugar beet damping off, (33) 246.
beetle, rough-headed, life history and remedies,	studies, (32) 147.
(38) 263. borer—	treatment, (29) 242; (36) 47, 547.
European, notes, (40) 756.	Corticiums, studies, (40) 48. Cortinarius n.sp., description, (31) 127.
European, notes, (40) 756. larger, notes, (32) 449; (40) 856. lesser, notes, (39) 765.	Cortinellus spp., culture in Japan, (35) 347.
lesser, notes, (39) 765.	brachyrhynchos, notes, (30) 851.
lesser, studies, (37) 851. notes, (29) 356, 453; (37) 847; (39) 358.	corax curophilus n. sp., description, (39) 860. frugilegus, feeding habits, (36) 354.
studies, (39) 158. summary of information, (40) 856.	frugilegus, feeding habits, (36) 354. Corylus avellana, monograph, (33) 540.
disease, cause, (28) 284.	Corymbites—
Cornstalks—	inflatus, notes, (32) 555.
effect on soil moisture, (26) 533. feeding value, (38) 168.	noxius n. sp., description, (30) 856. Corynebacterium piriforme—
formation of sugar in, (29) 409. ground, analyses, (30) 808.	description, (29) 345.
manufacture of paper and fodder from, (27)	n. sp., description, (30) 747. Corynespora—
314.	mazei, notes, (30) 149.
 manufacture of sugar from, (28) 314, 810. sugar content, (27) 314; (30) 14. 	melonis, description and treatment, (26) 448.
utilization, (28) 114.	melonis, notes, (35) 246; (37) 248. melonis, treatment, (35) 547.
Cornstarch—	Coryneum-
effect on intestinal flora, (36) 665. gelatinization temperature, (37) 410.	beyerinckii— description, (35) 654.
hydrolysis, erythrodextrin in, (40) 460.	notes, (38) 50; (39) 850.
manufacture, (38) 266. relation to polyneuritis, (29) 460.	relation to citrus gummosis, (31) 449. follicolum, inoculation experiments, (27) 651;
Cornus—	(31) 150.
controversa as affected by ringing, (38) 128. wood, use, (33) 443.	microstictum, notes. (31) 844. modonium, notes, (29) 156.
Corollium n.g. and n.spp. in Norway, (31) 327.	modonium, studies, (33) 854.

Coryneum—Continued.	Cotton-
mori n.sp., description, (35) 348. mori, studies, (27) 49.	abortion of fruiting branches, (28) 832,
mori, studies, (27) 49.	American, introduction into Sind, (34) 227
perniciosum, notes, (40) 160. spp. on trees and shrubs, (37) 250.	analyses, (31) 829.
Corynothrips stenopterus—	analyses and valuation, (30) 138.
in Trinidad, (40) 649.	angular leaf spot— notes, (34) 643.
in Trinidad, (40) 649. n.sp., description, (31) 59.	studies, (35) 632; (36) 646; (37) 49.
Corypha sp., notes, (40) 44.	anthraenose—
Coryphodema tristis, notes, (38) 465.	and bacterial spot, relation to weather, (36)
Corythucha— arcuata, notes, (26) 148.	248.
ciliata, negative geotropism of, (30) 357.	description and treatment, (29) 751
ciliata, studies, (38) 359.	hot water treatment, (31) 643.
essigi n.sp., description, (39) 559.	notes, (28) 395; (31) 344; (35) 455; (39) 52. relation to weather, (40) 154.
gossypii on castor hean, (40) 453.	resistant varieties, (35) 348.
monacha, notes, (36) 354.	resistant varieties, (35) 348. studies, (26) 647; (27) 446; (28) 647; (30) 538;
monacha, studies, (38) 858. parshley1, notes, (40) 354.	(82) 543; (36) 646; (40) 643.
pergandei, notes, (40) 354.	treatment, (34) 643; (38) 234.
pura n.sp., description, (37) 849.	aphis—see also Aphis gossypii. control, (39) 870; (40) 256. notes, (32) 755; (33) 746; (34) 549.
spinulosa n.sp., notes, (39) 763.	notes (32) 755: (33) 746: (34) 540
spp., notes, (26) 452. Coryza, infectious, in fowls, (32) 783.	studies, (29) 355.
Cosmetics, treatise, (32) 162; (36) 63.	Arizona-Egyptian, handling and marketing.
Cosmophila—	(34) 338.
erosa, life history, (38) 562.	arrangement of parts in, (26) 40.
erosa, studies, (30) 157.	as affected by—
sabulifera, notes, (27) 54.	low temperature, (31) 229.
Cosmo polites sordidus— life history and natural enemies, (35) 57.	subsoil water, (26) 417. as preparatory crop for tobacco, (30) 341.
notes, (36) 158; (37) 161; (38) 164, 364.	as ration crop, (40) 328.
studies, (40) 266, 453.	bacterial disease, notes, (31) 136.
Cosmos—	hactarial enat nates (40) 154
bipinnatus, variation in, (35) 635.	bales, insects infesting, (26) 560. bark beetle affecting, (30) 660. beetles affecting (38) 61
cut, preservation, (31) 837. Cossula magnifica—	bark beetle allecting, (30) 550.
notes, (38) 762.	belt, climatic and edaphic factors, (39) 734
on pecan, (38) 157; (39) 557.	belt, climatic features, (40) 117.
Cossus—	belt, climatic features, (40) 117. biennial cropping, (32) 226; (38) 430.
larvae, resistance to cold, (37) 356.	boll—
ligniperda, notes, (30) 455.	disease, notes, (37) 652.
Cost of living— and the war, (40) 173.	rots, methods of infection, (27) 246.
and wages, measurement, (40) 659.	rots, studies, (28) 647. soft rot, cause, (29) 749.
bibliography, (36) 762. factors affecting, (29) 595, 867. in Australia, (27) 165; (29) 362, 393; (32) 894;	
factors affecting, (29) 595, 867.	boll weevil—
in Australia, (27) 165; (29) 362, 393; (32) 894;	Arizona wild, biology, (34) 656. Arizona wild, studies, (33) 257.
(33) 166. Beltimore (32) 254	hislam (Oc) CCO
Baltimore, (32) 254, Bavaria, (29) 295. District of Columbia, (38) 769.	chain drag for, (34) 65. chain drag for, (34) 65. combating, (38) 233, 234. control, (27) 682; (28) 161, 456; (34) 163; (35) 554; (37) 359; (40) 237. control in Georgia, (35) 461. control in Sumatra, (29) 853.
District of Columbia, (38) 769.	combating, (38) 233, 234.
France, (26) 595; (27) 193.	COLUTOI, (27) 662; (28) 161, 456; (34) 163; (35)
France, (26) 595; (27) 193. Germany, (30) 559. industrial countries, (31) 261.	control in Georgia, (35) 461.
Mossochusetts (27) 460	control in Sumatra, (29) 853.
Massachusetts, (37) 469. Mexico, (27) 665.	control in Sumatra, (29) 853. effect on farming, (35) 393.
New Jersey, (31) 659. New York City, (37) 670. New Zealand, (28) 863; (29) 295, 362. Nova Scotis, (30) 166.	factors affecting development, (26) 253.
New York City, (37) 670.	feeding habits, (31) 458.
New Zealand, (28) 863; (29) 295, 362.	in Arizona (30) 56.
Nova Scotia, (30) 166. Paris, (28) 566.	hibernating in cotton seed, (34) 857. in Arizona, (30) 55. in Cuba, (32) 852. in Georgia, (37) 847; (38) 256. insect enemies, (37) 59.
Portugal, (39) 191.	in Georgia, (37) 847; (38) 256.
Rhode Island. (39) 494.	insect enemies, (27) 59.
Rhode Island, (39) 494. Scandinavia, (40) 561.	
State institutions, (40) 173. Union of South Africa, (40) 561. United Kingdom, (28) 894; (29) 766. United States, (37) 670. United States, (37) 670.	manual, (31) 457. monograph, (27) 562. movement in 1911, (27) 59. movement in 1912, (28) 757.
Union of South Airics, (40) 561.	movement in 1911, (27) 59.
United Kingdom, (20) 694, (29) 760.	movement in 1912, (28) 757.
United States, control, (33) 787. various countries, (27) 269. Washington State, (35) 765; (40) 361. notes, (26) 662; (28) 762; (30) 686, 863. on farms, (37) 789.	new host plant, (40) 759. notes, (27) 554; (29) 251, 562; (30) 255, 636, 757 (31) 353; (32) 62; (35) 467; (40) 56, 553, 853
various countries, (27) 269.	10000, (27) 054; (29) 251, 562; (30) 255, 636, 757
Washington State, (35) 765; (40) 361.	parasites of (26) 861.
notes, (26) 662; (28) 762; (30) 686, 863.	pink, notes, (34) 227.
on Minnesota farms, (36) 790.	poisoning, (39) 767.
reduction, (29) 463; (32) 662.	pink, notes, (34) 227. poisoning, (39) 767. problem, (40) 235.
regulation, (30) 258.	problem in Ambania, (21) 54.
relation to railroad rates, (29) 594.	quarantine in Tennessee, (29) 653. regulations concerning, (30) 357.
studies, (28) 662; (31) 462; (40) 462. treatise, (30) 559; (31) 360; (33) 694; (38) 392.	relation to temperature and humidity, (35)
Gost of production studies (40) 200	52.
Cost of production studies, (40) 890. Costia necatrix, notes, (26) 246.	studies, (33) 563; (35) 160, 161; (38) 62.
Cotalpa—	substances attracting, (39) 411, 431.
consobrina, notes, (33) 746.	wild host plant of, (29) 458. "bollies," notes, (31) 832.
granicollis, notes, (bolls—
Cothonaspis (Eucoila) rapae, notes, (33) 862. Cotinus nitida larvae, furnigation, (40) 256.	dropping, (32) 49.
Cotoneaster acutifolia as a hedge plant, (37) 241.	fungus disease affecting, (26) 341.
Cottage cheese, see Cheese.	internal disease of, (38) 351, 352.
Cottogos for rural districts (32) 687	supernumerary carpels in, (28) 832.

Cotton—Continued.	Cotton—Continued.
bollworm— and pink bollworm, relation, (40) 857.	culture—continued.
control, (26) 455; (27) 136, 433; (37) 729; (40)	638; (20) 830; (30) 229, 232, 434, 632, 636,
256. description, (38) 460.	experiments, (26) 233, 436, 631, 735; (27) 433, 638; (20) 830; (30) 229, 232, 434, 632, 636, 734, 828; (31) 136, 226, 628, 733, 829; (32) 227; (33) 730, 830; (35) 227, 829; (36) 227, 829; (27) 20, 224, 625, 734, 628; (27)
Egypfian, studies, (37) 55. in Cyprus, (32) 754.	830; (37) 330, 334, 635, 734; (38) 31, 230, 334, 335, 336, 430, 433, 526, 527, 635, 735,
in India, (38) 54.	829, 830; (39) 128, 433, 437, 632, 835; (40)
life history and habits, (32) 652. life history and remedies, (38) 261.	234.
new parasite of, (33) 159.	in Barbados, (40) 434. Fiji. (40) 231.
notes, (27) 862; (28) 158; (29) 456; (31) 249, 252.	Fiji, (40) 231. India. (40) 230, 332, 523, 625
on artichoke, (40) 58. on vetch, (39) 764.	India, (40) 230, 332, 523, 625. Queensland, (40) 230.
parasites of, (32) 156.	South Africa, (40) 524. culture—
bollworm, pink— control (26) 455: (32) 152 449: (35) 257: (36)	in Algeria, (39) 234.
bollworm, pink— control, (28) 455; (32) 152, 449; (35) 257; (36) 756, 857; (38) 834; (39) 764. control by flooding, (37) 762. in Brazil, (38) 562, 765; (39) 659. Egypt, (30) 755; (35) 54. Mexico and Brazil, (37) 358. United States, (37) 762; (39) 465. life history and habits, (35) 854. notes, (27) 802; (29) 253; (34) 227; (38) 765; (40) 56, 167, 256, 263. origin, (40) 456.	America, (28) 433. Argentina, (37) 738, 823.
control by flooding, (37) 762. in Brazil, (38) 562, 765; (39) 659.	Belgian Kongó, (37) 830. Bengal, (26) 834.
Egypt, (30) 755; (35) 54.	Bombay Presidency, (28) 595.
United States, (37) 762; (39) 465.	Brazil, (37) 441; (38) 135. British India, (29) 534.
life history and habits, (35) 854.	British Dossessions, (31) 832.
(40) 56, 167, 256, 263.	Burma, (29) 736. California, (37) 335.
parasites of, (37) 569.	Cape of Good Hope, (29) 738.
rate of increase, (37) 762. seed treatment for, (39) 158.	Ceylon, (28) 738. China, (26) 736.
studies, (33) 655; (37) 564; (39) 158, 258, 465,	Dominican Republic, (31) 41.
659, 764. treatise, (40) 856.	Egypt, (20) 431; (34) 227; (35) 137; (36) 36, 37.
bollworm—	Egypt, treatise, (30) 527. Eritrea, (34) 227.
predacious on alfalfa, (32) 58. scavenger, (37) 564.	French colonies, (37) 830. German colonies, (26) 332, 835; (34) 227.
seasonal variation in, (32) 152.	German East Africa (31) 136
spiny, notes, (32) 847. bolly refuse, (40) 366.	Greece, (34) 227. Guam. (37) 728.
brachysm in, (32) 731.	Greece, (34) 227. Guam, (37) 728. India, (27) 484; (28) 636, 736; (29) 431, 634, 736; (32) 131; (39) 229, 230; (40) 825. Urblion Sompilland, (29) 429; (24) 297.
branches, morphology, (28) 820. breeding—	Italian Somaliland, (33) 433; (34) 227.
and selection experiments, (33) 227. experiments, (27) 737, 837; (28) 634; (29) 31; (30) 232, 337; (36) 230, 646; (38) 336, 526; (40) 228, 527, 624.	
experiments, (27) 737, 837; (28) 634; (29) 31; (30) 232, 337; (36) 230, 646; (38) 336, 526;	Monand, (29) 534. Louisiana, (29) 534. Madras, (32) 131. Mexico, (32) 131. Nigeria, (34) 227. North Carolina, (27) 34. Nyasaland, (26) 829. Nyasaland and Uganda, (27) 217. Portuguese colonics, (34) 227. Russian Turkestan, (34) 227. San Joaquin Valley, (38) 740.
(40) 228, 527, 624.	Mexico, (32) 131. Nigeria, (34) 227.
for disease resistance, (30) 331. for drought resistance, (40) 523.	North Carolina, (27) 34.
for higher oil and protein content of seed, (32) 111.	Nyasaland and Uganda, (27) 217.
monograph, (28) 634.	Portuguese colonies, (34) 227. Russian Turkestan, (34) 227.
review of investigations, (32) 40. studies, (26) 635.	San Joaquin Valley, (38) 740.
broach, notes, (27) 35. brunissure, description, (26) 546.	Sind. (26) 834. South Africa, (29) 430. southern Californiu, (40) 335.
budding incompatible varieties, (40) 34.	southern California, (40) 335.
bud-shedding, notes, (39) 637. bugs, red and dusky, descriptions, (38) 460.	St. Vincent, (30) 636. the Orient, (28) 433.
buying, suggestions for, (30) 527.	the Southwest, (29) 634. Uganda, (34) 227.
cake, undecorticated, analyses, (27) 670. Caravonica—	various countries, (37) 891. West Indies, (32) 829.
history, (38) 340. weevil affecting, (26) 351.	labor cost in, (34) 227. new system, (28) 832; (31) 433.
yicius. (30) 326.	new system, (28) 832; (31) 433. on alkali soils, (32) 225.
caterpillar, remedies, (30) 456. Cauto tree, culture, (33) 529. club champions in 1913, (30) 399.	on Yuma reclamation project, (29) 226; (40)
club champions in 1913, (30) 399.	433. relation to rainfall, (33) 117, 715.
clubs in Arkansas, (33) 95. composition at different stages of growth, (31)	single-stulk, (32) 434; (33) 730, 830; (39) 534; (40) 235.
433.	treatise, (26) 535; (30) 831.
conference, West Indian, (36) 530. consumption, 1906 to 1913, (31) 392.	under boll weevil conditions, (27) 640; (37) 359.
cooperative experiments, (27) 430. cost of production, (32) 434; (39) 294, 396; (40)	under dry farming, (30) 435; (37) 329. under irrigation, (34) 229; (36) 133.
335, 390, 433, 527.	curly leaf—
crinkled dwarf rogues, (37) 224, 732. critical period of growing season, (39) 811.	cause and treatment. (29) 751.
crop mortgage credit in Texas, (32) 892.	description, (33) 648. cutworm, notes, (33) 352. de Motril, history, (38) 340.
crop of 1911, (26) 490. cross-pollination, (30) 636.	de Motril, history, (38) 340. depth of plowing tests, (40) 624.
crossing with other Malvaceae, (36) 804. culture, (27) 340; (31) 630; (32) 132, 598; (33) 232;	destruction by cockroaches, (32) 348.
(34) 694; (35) 593; (36) 530, 593; (37) 36; (39) 834.	destruction by cockroaches, (32) 348. destruction by crawfish, (27) 551. disease in island of Nevis, (34) 542.
culture—	disease in Uganda, (35) 45. disease, new, in India, (37) 454, disease resistance, (38) 532
and utilization, (33) 438.	disage, new, in india, (31) 404,

Cotton—Continued.	Cotton—Continued.
diseases— and insect pests. (38) 834.	graphic summary of seasonal work, (39) 495. green manuring experiments, (37) 734.
and insect pests, (38) 834. bacterial, (32) 543. in Barbados, (36) 540. Brazil, (32) 238. India, (33) 846. – Nicola (32) 741	growers' organization, notes, (29) 894.
in Barbados, (36) 540.	growth— '
Brazil, (32) 238. India (33) 846 -	as affected by fertilizers and soil humidity,
Nigeria, (33) 741.	(34) 337. in shade, (29) 130.
St. Croix, (32) 642.	on alkali soils, (27) 640.
St. Vincent, (39) 754. Texas, (40) 154.	handling and marketing, (29) 430.
West Indies, (37) 452.	handling and marketing in Imperial Valley, (37) 37.
notes, (26) 51; (27) 554; (29) 548, 749; (30) 351,	hybridization, (32) 829.
527, 538, 845; (32) 340; (40) 155. distance experiments, (29) 35; (30) 734; (31) 136;	hybridization—
(32) 332, 735, 829; (34) 830.	and selection, (38) 336. experiments, (26) 733; (30) 436, 525, 734; (31)
(32) 332, 735, 829; (34) 830. Durango, culture, (28) 833; (29) 36.	226, 525; (33) 132.
Durango, culture in Imperial Valley, (34) 434. Egyptian—	hybrids, Mendelian inheritance in, (27) 837.
as affected by soil variations, (28) 833.	improvement, (26) 534; (27) 533; (28) 736, 828; (38) 635.
branching habits, (27) 640.	improvement—
culture, (28) 833.	by selection, (31) 41; (32) 135; (34) 227. in Bombay Presidency, (33) 730.
culture experiments, (40) 433. culture in Salt River Valley, (31) 41.	in India, (39) 837.
culture in Southwest, (29) 140; (34) 529.	Indian—
deterioration, (31) 526.	Asiatic, notes, (27) 640.
factors affecting yield, (38) 338. growing in Southwest, (26) 535.	factors controlling ginning per cent, (33) 529.
heredity in, (34) 227.	studies, (26) 736; (31) 526.
historical and botanical study, (38) 533.	industry in—
in America, (40) 438. in Arizona, (39) 295.	Antigua, (26) 733. Barbados, (30) 636.
maintenance of quality, (40) 628. mutation in, (31) 525; (40) 237, 527, 628.	Barbados, (30) 636. Egypt, (26) 390, 635.
mutation in, (31) 525; (40) 237, 527, 628.	German African colonies, (26) 41.
production and marketing, (29) 596. seed selection, (30) 138.	Grenada, (39) 738. Hawaii, (27) 433.
studies, (26) 635.	India, statistics. (39) 739.
varieties, (40) 628.	Leeward Islands, (30) 636; (34) 227. Southern India, (30) 338.
electrical response in, (29) 27.	United States, treatise, (20) 190, 332.
exports, (34) 194. exports from United States, (38) 393.	inheritance
express, notes, (32) 735.	in, (30) 337; (33) 834.
factors affecting growth in Egypt, (30) 526. farm, producing home supplies on, (40) 292.	in, (30) 337; (33) 834. of bract teeth, (37) 732; (38) 532. of oil in, (38) 533.
farms—	
management, (28) 199; (40) 299. of Ellis Co., Texas, (39) 395. surveys, (39) 293, 294, 395.	insects effecting, (26) 553; (27) 53, 54, 340, 453, 454, 554; (28) 249, 555, 654; (29) 653, 756; (30) 356, 627, 646, 636, 752; (31) 58, 548, 649; (32) 340, 817; (33) 153; (34) 349, 539, 549, 652, 851; (35) 463, 657; (37) 460, 560; (38) 54, 61, 357, 834; (39) 160, 461, 556, 862; (40) 165, 256, 854.
of Ellis Co., Texas, (39) 395.	404, 004; (28) 249, 550, 654; (29) 653, 756; (30) 356, 527, 546, 636, 752; (31) 58, 548, 649; (32) 340
transferring into Japan clover fields, (26)	817; (33) 153; (34) 349, 539, 549, 652, 851; (35)
235.	463, 657; (37) 460, 560; (38) 54, 61, 357, 834; (39)
feeding habits, (31) 433; (34) 139. fertilizer experiments, (26) 232, 534, 631, 635, 736, 829; (27) 33, 34, 135, 234, 336, 429, 433; (28) 42, 230, 828, 832; (29) 31, 32, 35, 224, 335, 336, 736; (30) 636; (31) 38, 40, 136, 421, 432, 524, 628, 629, 630, 733, 829; (32) 37, 220, 227, 423, 526, 735; (33) 25, 32, 227, 330, 834; (34) 35, 139, 337, 512; (35) 135, 136, 323, 337; (36) 832; (37) 29, 215, 731, 732; (38) 33, 433, 517, 527, 533, 816, 832; (39) 21, 437, 528, 637, 817, 835; (40) 228, 230, 231,	insects affecting in Sudan, (39) 160.
736, 829; (27) 33, 34, 135, 234, 336, 429, 433;	internal boll disease, (39) 637, 754.
(28) 42, 230, 828, 832; (29) 31, 32, 35, 224, 335,	irrigated, production in Southwest, (39) 837.
628, 629, 630, 733, 829; (32) 37, 226, 227, 423, 526.	irrigation, (39) 128.
735; (33) 25, 32, 227, 830, 834; (34) 35, 139, 337,	irrigation experiments, (28) 42, 388, 828; (30) 886; (31) 230; (35) 286; (36) 886; (39) 433; (40) 230.
512; (35) 135, 136, 323, 337; (36) 832; (37) 29, 215,	late cultivation, (40) 237.
(39) 21, 437, 528, 637, 817, 835; (40) 228, 230, 231,	leaf blister mite— dispersal, (36) 261.
235, 323, 515, 523, 624, 625, 627, 728.	in Barbados, (27) 60.
fertilizer formulas for, (31) 628.	notes, (28) 752.
from immature bolls, strength, (27) 136.	remedies, (38) 234. leaf—
water absorption capacity, (37) 736.	caterpillar, outbreak in Peru, (29) 356.
fibors—	cut or tomosis, notes, (29) 47; (31) 243.
fungus staining, (28) 847. strength of, (29) 312.	dimorphism in, (20) 128. diseases in St. Kitts, (34) 539.
nowering and bouing records, (40) 628.	miner, notes, (35) 657.
following legumes and corn, (40) 829.	spot, angular, treatment, (38) 234; (40) 643. spot, studies, (40) 346.
forecasting ripening of, (31) 831. forecasting yield and price, (39) 191.	enote and milder notes (38) 350
fruiting processes, (40) 235. fumigated with hydrocyanic acid gas, tests,	worm in Brazil. (38) 54.
fumigated with hydrocyanic acid gas, tests, (35) 254.	worm, notes, (26) 62, 351. leaves—
fungus diseases of, (26) 445.	effect on soils, (32) 319.
Futures Act, (35) 307, 693.	formation of ascidia in, (34) 429.
Futures Act, rules and regulations, (32) 689.	nectar glands, (37) 727. stomatal aperture, (27) 732.
ginning, (36) 191. ginning—	Lepidopterous enemies in Egypt, (27) 656.
cooperation in, (26) 535.	lessons for rural schools, (34) 293.
experiments, (29) 224.	lessons on, (32) 898.
reports, weather factor in, (37) 114. gins and warehouse law in Arkansas, (38) 294.	lightning injury, (33) 345; (40) 645. liming experiments, (29) 430; (32) 132; (40) 516.
grades, official, (28) 834. grading, (28) 137.	11nt index, (39) 135.
grading, (28) 137. grading and classification, (30) 433.	lint, length of, crops 1916 and 1917, (40) 34. loggerhead disease, description, (33) 648.
grading, cooperation in, (33) 595.	long-staple, (35) 590; (40) 526.

Cotton—Continued.	Cotton—Continued.
long-staple— culture in North Carolina, (31) 41.	rust— investigations, (38) 752.
factors affecting production, (29) 140.	outhresk in Texas (38) 140
fertilization by bees, (40) 458.	prevention, (29) 35; (32) 735.
machinery, (36) 400. market—	treatment, (26) 736. Sakellaridis—
conditions in Oklahoma, (30) 193.	in Montserrat. (30) 636.
prices and qualities, (36) 493.	notes, (27) 35. sampling, (39) 135. scale, Chinese, bird enemies of, (26) 556.
review, (26) 835. marketing, (29) 894; (32) 91; (38) 834.	sampung, (39) 180. scale. Chinese, bird enomies of (26) 556
marketing-	Sea Island, (36) 530.
association, by-laws for, (34) 288.	Sea Island—
cooperatively, (26) 535; (30) 591; (32) 435.	culture in Cuba, (26) 736. culture in West Indies, (34) 227.
in the seed. (35) 793; (36) 289.	factors affecting yield, (39) 637.
association, by-laws for, (34) 288. cooperatively, (20) 535; (30) 591; (32) 435. in North Carolina, (33) 595; (37) 36. in the seed, (35) 793; (36) 289. in the South, (26) 488, 489. statistics, (33) 788. returity as a feered by fartilizers (31) 39.	fertilizer experiments, (40) 627.
maturity as affected by fertilizers, (31) 39.	improvement by selection, (34) 631.
Meade, (40) 237, 437.	lint characters, (38) 234. price in 1913, (32) 229.
Meade, (40) 237, 437. method of selfing, (39) 234. microscopical studies, (33) 210.	relation of first length to rainial, (40) 827
microscopical studies, (33) 210. mill operators, food raised by, (38) 792.	selection experiments, (36) 332
mill picker dirt, analyses, (32) 32.	spacing, (40) 628. seed—see also Cottonseed.
mill waste, analyses, (38) 626. moth, see Alabama argillacea.	analyses, (36) 804.
moth, see Alabama argulacea.	seed as affected by— storage, (29) 140.
native wild, notes, (29) 441. natural crossing in, (27) 837.	sulphuric acid, (27) 524.
new nematode intesting, (38) 147.	seed—
of Cambodia, (32) 229. of Hopi Indians, description, (30) 37.	as human food, (37) 60; (39) 870. buying for planting, (31) 41.
of North Carolina, staple lengths, (39) 234.	calculator, (37) 137; (39) 441.
packing and marketing, (28) 433.	changes in during storage, (35) 412; (36) 12.
perjugate hybrids, characteristics, (33) 132.	chemistry of, (32) 111. composition, (36) 615.
pests in Egypt, treatise, (40) 856. photosynthesis in, (27) 732.	composition and digestibility, (33) 568.
physiological disturbances, (32) 543.	delinted, (40) 32.
effect on children, (30) 793	detection of anthracnose in, (26) 648.
machine, description, (27) 293, 792.	deterioration at public gin, (37) 335. deterioration, relation to ginning, (33) 833. digestibility and productive value, (37) 865.
prices paid for, (40) 93.	digestibility and productive value, (37) 865.
plant, glands of. (39) 431.	effect on maturity of cotton. (31) 40.
planter, lister attachment for, (37) 90.	fertilizing value, (29) 831.
planting and harvesting dates, (26) 532.	formation of oil in (32) 427
prevention of cross-pollination, (40) 335.	distribution, (30) 436. effect on maturity of cotton, (31) 40. fertilizing value, (29) 831. for planting purposes, (39) 135. formation of oil in, (32) 427. from dry sections, (40) 729. furnisating experiments, (34) 458: (35) 257 678.
picking— effect on children, (30) 793. machine, description, (27) 293, 792. prices paid for, (40) 93. plant, chemistry of, (39) 411, 431. plant, glands of, (39) 431. planter, lister attachment for, (37) 90. planting and harvesting dates, (26) 532. planting for early maturity, (33) 133. prevention of cross-pollination, (40) 335. prices and movement in 1916, (37) 492. production—	
production— and distribution, (40) 238.	seed, germination— as affected by green manures, (33) 331; (37)
and prices in United States, 1908-1918, (40)	29.
93. and utilization, (40) 333.	as affected by hot water, (31) 643. tests, (26) 534; (31) 631; (39) 135.
and weather, correlation, (33) 117, 715.	seed-
in British Empire, (27) 34; (39) 837.	globulin from, (36) 804.
Egypt, (40) 335. Louisiana. (40) 527.	gossypol-like substance in, (38) 801. heavy, selecting, (40) 237.
Louisiana, (40) 527. 1914, (32) 435.	heavy, selecting, (40) 237. improving quality of, (29) 738.
St. Vincent, (39) 835. United States, (26) 389: (27) 593, 738: (36)	internal disease of, (34) 645.
United States, (26) 389; (27) 593, 738; (36) 230; (37) 441; (38) 740; (40) 391. 1918 program, (38) 834.	machines for treating, (39) 158. moth, new, from West Africa, (33) 155.
	position in planting, (40) 635.
propagation—	pressure in warehouses, (34) 687. production, cooperation in, (26) 535.
by slips, (30) 139, 337. experiments, (29) 330.	raffinase, content, (40) 171.
pruning experiments, (27) 136, 433; (32) 829.	select, nurse planting, (39) 341.
360: (32) 157: (36) 557: (38) 63.	selection, (31) 220, 433. tests, (39) 135.
refuse, fortilizing value, (26) 631.	toxicity, (33) 311; (38) 685, 801.
region, meteorological service, (39) 718.	transportation regulations, (30) 357. treatment for pink bollworm, (36) 857.
resistance to anthracnose, (26) 736.	valuation on dry matter content, (36) 92.
resistance to leaf blister mite, (37) 732.	varietal characteristics, (36) 804. seeding experiments, (35) 828; (36) 36, 37.
pruning experiments, (27) 130, 433; (32) 829. pruning experiments, (27) 130, 433; (32) 829. red spider affecting, (26) 153, 856; (27) 264; (29) 360; (32) 157; (36) 557; (38) 63. refuse, fortilizing value, (28) 631. region, meteorological service, (39) 718. Research Association, British, (40) 234. resistance to anthracaose, (20) 736. resistance to leaf blister mite, (37) 732. resources of French colonies, (40) 438. Rhizoctonia diseases, notes, (30) 845.	seedlings, insects affecting, (35) 156.
root—	selection, (30) 636, 735.
disease, notes, (38) 334	selection experiments, (30) 525; (35) 134; (37) 335, 636, 732; (38) 33, 336, 433; (39) 337, 433; (40) 522.
knot, notes, (32) 342.	seif-pollination in, (29) 36.
knot, treatment, (26) 846. louse, notes, (31) 250.	serpentine leaf miner affecting, (29) 857; (33) 255. shedding, (30) 538; (34) 227, 643, 844; (36) 646; (37)
louse, studies, (30) 546.	224, 553.
notes, (27) 237.	shortage of the world, (40) 335.
root rot— effect of rotation and tillage on, (35) 828.	snapped and bolly, (40) 93. spacing experiments, (34) 229; (37) 734; (38) 832;
notes, (29) 445; (31) 746; (40) 48.	(39) 739; (40) 235, 433,
notes, (29) 445; (31) 746; (40) 48. studies, (36) 146; (39) 852. rotation experiments, (27) 234; (35) 135; (38) 334	spinning and weaving tests, (38) 434. spinning tests, (30) 527; (35) 137; (40) 228. spraying for boll weevil, (34) 830.
(40) 729.	spraying for boll weevil, (34) 830.
rubelzul, description, (30) 37.	square-weevil, studies, (28) 161; (29) 658.

Cotton—Continued.	Cotton—Continued.
stainer— control, (40) 256. effect on germination of cotton seed, (26)	wiit— and root knot, notes, (34) 643. notes, (28) 241; (29) 446; (30) 538; (31) 641;
534. life history and remedies, (38) 461.	notes, (28) 241; (29) 446; (30) 538; (31) 641; (32) 342, 543; (34) 50; (38) 351, 547. resistant strains, (40) 235, 287.
muscoid parasites of, (29) 358. notes, (27) 256; (37) 460, 550, 847; (39) 559,	233.
life history and remedies, (38) 461, muscoid parasites of, (29) 358, notes, (27) 256; (37) 460, 550, 847; (39) 559, 639, 754, 862; (40) 165, 261, 854, on citrus, (40) 363, studies, (28) 454; (36) 654,	studies, (28) 746; (35) 846. treatment, (26) 846. wireworm—
West indian, notes, (59) 559, 055,	notes, (32) 555; (35) 467.
staining, notes, (35) 44. stalk cutter, description, (26) 95; (34) 163. stalks—	slender, studies, (30) 545. studies, (33) 63, 158. worm—
composition and use, (27) 727. conversion into charcoal, (32) 449.	Egyptian, remedies, (28) 355.
for cattle, (38) 371. plowing under, (38) 234.	in Egypt, (30) 252. natural enemies, (27) 862.
silage from, (38) 371.	notes, (27) 554, 756; (34) 62. notes and remedies, (28) 60.
statistics in United States, (33) 894. stem borer, notes, (27) 53.	remedies, (26) 757. studies, (27) 556.
stem weevil, notes, (40) 553.	yield as affected by—
subsoiling experiments, (28) 827; (31) 131. substitute crops for, (32) 594.	rate of seeding, (27) 434, source of seed, (32) 226.
substitute crops for, (32) 594. substitutes, notes, (26) 835. supply and distribution, (28) 390	water level, (30) 232; (31) 229, 230. yield in relation to—
supply and distribution, (28) 390. thinning experiments, (35) 135, 337; (37) 29;	density of stand, (33) 133.
(40) 433. topping experiments, (26) 233; (27) 433; (29) 35;	potash scarcity, (40) 335. yield under boll weevil conditions, (27) 34.
(35) 135.	yields, (29) 32.
trade, manual, (34) 595, 691. trade, treatise, (31) 690.	Cottonseed—see also Cotton seed. by-products, effect on composition of milk, (33)
trade, treatise, (31) 690. treatise, (26) 437; (28) 631; (29) 738; (31) 525, 735; (32) 434; (33) 433; (35) 230, 639; (40) 526.	274.
upland—	cake— agglutinating properties, (31) 774.
chemistry of, (39) 411. classification, (37) 830.	agglutinating properties, (31) 774. analyses, (26) 767, 809; (27) 170, 371; (28) 464; (29) 367; (30) 169; (31) 863; (33) 665; (34) 169, 467; (36) 765; (37) 873; (38) 369; (39)
long staple, spinning tests, (31) 631.	169, 467; (36) 765; (37) 873; (38) 369; (39)
use and influence, treatise, (36) 894. use by prehistoric Americans, (38) 167.	370, (40) 371.
variation in, (38) 340. variation with a self-fertilized ancestry, (26)	cake, cold-pressed— analyses, (26) 468; (28) 464; (31) 863; (32) 169;
834.	(34) 169, 263, 467; (36) 268; (38) 369; (40) 72, 571.
varietal differences in fruiting processes, (40) 235.	digestibility, (31) 863.
235. varieties, (28) 233, 535, 631, 733, 786, 828; (27) 35, 136, 337, 340, 433, 837; (28) 230, 533, 534, 828, 832; (29) 31, 32, 35, 428, 430, 534, 738, 830; (30) 229, 232, 338, 434, 525, 635, 731, 734, 831; (31) 133, 136, 432, 524, 525, 635, 731, 734, 831; (32) 323, 732, 62, 227, 229, 332, 526, 631, 734, 829; (33) 529, 834; (34) 830, 831; (33) 134, 135, 136, 830; (34) 735, 832; (37) 35, 329, 335, 636, 642, 728, 731, 823, 824, 825; (38) 31, 230, 233, 334, 336, 430, 433, 533, 634, 829, 830, 832; (39) 32; (40) 437, 438.	for dairy cows, (35) 872. from bolly seed, analyses, (36) 765.
832; (29) 31, 32, 35, 426, 430, 534, 738, 830;	cake-
(30) 229, 232, 338, 434, 525, 635, 731, 734, 831; (31) 133, 136, 432, 524, 525, 628, 631, 732, 733,	digestibility, (38) 168. effect on composition of butter, (36) 873.
829; (32) 87, 226, 227, 229, 332, 526, 631, 734, 829;	effect on milk and butter, (34) 570.
830; (36) 735, 832; (37) 35, 329, 335, 636, 642,	Egyptian, digestibility, (36) 765. feeding value, (26) 468.
728, 731, 823, 824, 825; (38) 31, 230, 233, 334, 336, 430, 433, 533, 634, 829, 830, 832; (39) 32; (40) 437.	fertilizing value, (26) 631; (27) 337: (28) 42; (38) 220, 527.
	for cows, (29) 577.
for weevil conditions, (40) 235, 236, 237.	for range flocks, (39) 172. for sheep and steers, (29) 169.
in Brazil, (37) 441. in Italian Somaliland, (37) 336.	nutritive value, (28) 673. residual manurial value, (39) 530.
variety—	v. cold pressed cottonseed cake for cattle,
new and prolific, (33) 232. relation to oil content of seed, (40) 238.	(34) 170. v. soy bean cake for cows, (29) 172.
tests, (39) 128, 337, 433, 528, 637, 835; (40) 230, 231, 234, 237, 328, 332, 335, 433, 437, 523,	v. soy bean cake for cows, (29) 172. feed, analyses, (27) 669, 774; (28) 572; (30) 68, 565; (31) 366, 467, 564, 663; (32) 169, 666; (36) 268, 765; (37) 471; (38) 368, 369, 572; (39) 167, 270, 370, 773; (40) 72, 571, 665.
624, 625.	268, 765; (37) 471; (38) 368, 369, 572; (39) 167,
Verticillium albo-atrum on, (33) 244. volunteering experiments, (32) 226.	270, 370, 773; (40) 72, 571, 665. feed meal, digestibility. (31) 766.
warehouse law in Arkansas, (38) 294. warehouses—	feed meal, digestibility, (31) 766. flour as food for man, (31) 855. flour, use in bread making, (27) 268; (34) 762.
accounts for, (37) 594.	hull bran, analyses, (32) 666.
construction, (33) 784. in the South, (33) 191.	hulls—
regulations, (38) 895.	analyses, (28) 169, 464; (30) 169; (32) 169; (34) 263; (36) 268, 615.
water requirement, (26) 631; (32) 127, 226; (37) 29; (40) 236.	composition and digestibility, (32) 666. detection in cottonseed meal, (30) 115; (33)
wax, notes, (26) 114. weather conditions for, (37) 316.	16.
weevil resistance in, (26) 41.	digestibility, (31) 863. feeding value, (39) 272; (40) 666.
weevils in Peru, (32) 658. weevils, notes, (29) 562.	lintless, for cows, (38) 681. screenings, analyses, (26) 468.
white scale—control, (28) 159.	v. silage for steers, (31) 469; (32) 260, 568.
In Peru, (29) 004.	meal-
parasites of, (26) 247. wild—	acidity, (35) 770. amino acid in, (33) 665.
as host plant of cotton boll weevil, (30) 57.	ammonification, (34) 127. ammonification in soils, (33) 808.
insects affecting, (31) 350; (33) 57. of Arizona, description, (31) 633.	ammonification studies, (32) 817.

```
Cottonseed—Continued.

meal—continued.

phosphorus compounds in, (29) 804; (37) 502; (40) 772.

physical changes during digestion, (39) 476.

phytic acid in, (30) 707.

production and use, (27) 327.

rations for steers, (28) 71; (29) 667.

relation to citrus chlorosis, (39) 458.

sugar content, (37) 208.

toxic properties, removal, (28) 270.

toxicity, (20) 780; (27) 78; (28) 197; (29) 76, 477; (31) 578; (32) 80; (33) 311; (34) 79, 381, 474, 476; (35) 383, 682; (37) 00, 689; (38) 282; (38) 174, 373, 478.

toxicity, neutralizing, (37) 680.

v. beef scrap for chicks, (30) 571; (31) 473.

v. coconut meal for cows, (30) 170.

v. soy-bean meal for cows, (30) 576; (36) 563; (38) 680.

nt cake, feeding value, (39) 775.

oil, accessory growth substance in, (38) 265.

chemical and physiological tests, (33) 362.

composition, (32) 313.

content, relation to variety, (40) 238.

detection, (26) 508; (27) 207, 497; (29) 613, 798; (37) 13; (38) 616.

digestibility, (36) 800; (40) 208.

effect on composition of milk fat, (35) 775.

for calves, (20) 170, 668.

hardened, analyses and digestibility, (33) 564.

hydrogenated, digestibility, (34) 659.
Cottonsced—Continued.

meal—continued.

analyses, (26) 72, 165, 266, 325, 362, 363, 369, 468, 469, 568, 665, 714, 728, 768, 770, 873; (27) 68, 170, 171, 371, 469, 570, 669, 670, 774, 775, 872; (28) 169, 224, 205, 364, 464, 405, 571, 627, 669, 769; (29) 270, 271, 367, 467, 567, 665, 769; (30) 67, b8, 109, 496, 467, 565, 670, 868; (31) 73, 168, 366, 467, 479, 564, 663, 563; (32) 169, 229, 568, 607, 862; (33) 71, 371, 568, 665, 759, 870; (34) 72, 169, 203, 371, 420, 467, 566, 665, 727, 767; (35) 273, 374, 562, 867; (36) 65, 167, 268, 571, 667, 765; (37) 220, 268, 471, 707; (38) 67, 368, 369, 376, 572, 665; (39) 70, 167, 270, 370, 773; (40) 72, 470, 571, 665.
                                                                       665.
                                                      665.
analyses and valuation, (27) 423.
and feed, analyses, (32) 667.
and hulls, analyses, (29) 666; (32) 667.
as an incomplete feeding stuff, (36) 367.
as source of nitrogen, (26) 735.
as top-dressing for grains, (37) 29.
ash analyses, (29) 861.
availability in presence of sodium nitrate, (38) 729.
                                                      availability of nitrogen in, (26) 124, 523; (27) 723; (28) 724. cold-pressed, analyses, (31) 863. composition, (30) 466; (36) 615. composition and digestibility, (32) 666; (33)
                                                      decomposition in solls, (36) 116.
definition, (28) 98.
determination in feeding stuffs, (35) 504.
digestibility, (28) 464; (31) 863; (37) 65, 678.
digestibility in mixed rations, (34) 169.
distribution of nitrogen in, (36) 269.
                                                                                                                                                                                                                                                                                                                                                                                                                            564.
hydrogenated, digestibility, (34) 659.
hydrogenated, properties, (34) 9.
hydrogenation, (29) 413, 459; (34) 10.
hydrolysis and constitution, (27) 804.
industry, (36) 124.
production and use, (37) 511.
production in United States, (40) 614.
refractive inder, (27) 614.
relation to pellagra, (26) 263.
rôle in glycogen formation, (31) 763.
soap as substitute for whale oil soap, (34)
250.
                              meal, effect on-
                                                    al, effect on—
activity of soil fungi, (36) 215.
breeding power of helfers, (34) 775; (36) 773.
butter, (39) 485.
colving ability of cows, (32) 98.
composition of milk, (33) 274.
composition of milk fat, (26) 170.
cows, (34) 279.
milk production and quality, (26) 476.
                                                                                                                                                                                                                                                                                                                                                                                                                              specific heat, (40) 68.
toxic effect on rats, (36) 61.
toxicity (30) 479.
                           meal-
                                                      feeding, (29) 76.
feeding value, (39) 375, 478, 482, 676, 784; (40)
75, 278
                                                                                                                                                                                                                                                                                                                                                                                                     products.
                                                                                                                                                                                                                                                                                                                                                                                                                            as fertilizers, (31) 323.
as human food, (36) 865.
composition and use, (38) 266.
                                                    70, 278 [reding value as affected by added hull bran, (32) 666. [ertilizing value, (27) 429, 434, 436, 437; (28) 832; (20) 335, 336, 831; (30) 636, 820, 835; (31) 40, 822; (34) 129, 219; (35) 531; (37) 731, 823; (38) 33, 517; (39) 21, 528, 623; (40) 515,
                                                                                                                                                                                                                                                                                                                                                                                                 products, effect on—
composition and properties of butter, (37)
                                                                                                                                                                                                                                                                                                                                                                                                                            control of milk, (38) 682.
milk, (31) 370.
texture and flavor of butter, (38) 683.
                                                                   ×28.
                                                    828.
food products, recipes, (31) 66.
for arid soils, (34) 621; (36) 726.
beef cattle, (32) 99, 865.
breedling animals, (39) 870, 372.
breedling ewes, (37) 676.
culves, (26) 879; (37) 675, 682.
corn, (32) 732.
dairy cows, (35) 871, 872.
egg production, (36) 766.
horses and mules, (37) 681; (39) 375.
human food, (31) 65, 264; (35) 469; (38) 166, 566.
                                                                                                                                                                                                                                                                                                                                                                                              products—

fertilizing value, (39) 429.
for steers, (40) 573.
in northern Europe, (31) 864.
industry in United States, (26) 389.
methods of analysis, (30) 115.
mineral constituents, digestibility, (40) 769$
nutritional value, (40) 463.
of Texas, (33) 788.
toxicity, (30) 886.
toxicity, (30) 886.
toxicity, (30) 886.
protein, nutritive value, (39) 666.
proteins, utilization, (26) 662.
waste, analyses, (28) 523.
tutonwood—
                                                                                                                                                                                                                                                                                                                                                                                                 products
                                                                        numan 1000, (31) 00, 204; (40) 409; (50) 166, 566.
laying hens, (30) 175; (33) 763; (30) 373;
(37) 682; (38) 678; (39) 170, 376, 480, 578.
milk production, (40) 572.
pigs, (36) 471; (38) 370.
potatoes, (32) 739.
steers, (31) 409.
sweet potatoes, (33) 337.
                                                                                                                                                                                                                                                                                                                                                                      Wasse, aniayses, (63) year.
Cottonwood—
analyses, (83) 309.
borer beetle parasite, (34) 66.
borer, studies, (36) 157.
change from radial to bilateral symmetry, (82)
                                                 sweet potatoes, (33) 387.
forms of phosphorus in, (27) 611.
inosit phosphoric acid of, (36) 299.
inspection, (27) 219.
low-grade, analyses, (37) 168.
manurial value, (40) 127.
milling, (36) 615.
nitrification in acid solls, (30) 626.
nitrification in solls, (26) 722; (39) 814.
nitrogen determination in, (39) 506.
organic phosphoric acid of, (28) 605; (31) 707.
oxidation in solls, (34) 420.
palatability and nutritive value, (38) 66.
paper on, (28) 74.
                                                                                                                                                                                                                                                                                                                                                                    426.
forcing experiments, (38) 443.
in Mississippi Valley, (30) 346.
leaf beetle, notes, (28) 353; (30) 154.
mite, new, (40) 359.
Cottony cushion scale—
in Ceylon, (38) 561.
in France, (34) 850.
notes, (27) 155; (29) 654; (30) 752; (31) 60, 751;
(32) 56; (33) 59.
parasite of, (36) 757.
remedies, (31) 157; (32) 152; (33) 725; (35) 852;
(36) 754.
```

Cotyledon—	Cover crops—Continued.
fluid in study of anaphylaxis, (39) 79.	for orchards and vineyards, (27) 743.
orbiculata, toxicity, (29) 476.	Porto Rico, (34) 736; (39) 440.
Couch grass, monograph, (29) 141.	potatoes, (39) 755.
Couch grass, monograph, (29) 141. Coula edulis fruits and seeds, analyses, (35) 806.	young orchards, (33) 239. notes, (32) 332, 431; (34) 138. tests, (27) 736; (30) 441.
Coulee cricket, notes, (37) 54.	notes, (32) 332, 431; (34) 138.
Coumarin—	tests, (27) 736; (30) 441.
detection, (27) 112.	Cow-
determination in vanilla, (39) 505.	barns—see also Dairy barns.
disappearance in soil, (36) 725, 732; (38) 129.	construction, (27) 590; (36) 687. improved roof for, (27) 590.
effect on—	improved roof for, (27) 590.
action of fertilizers, (26) 224; (27) 520. nitrification in soil, (38) 119.	ventilation, (27) 590. champion dairy, (30) 272, 572; (31) 174, 372; (32) 368, 673; (33) 78, 275, 576; (34) 269, 472; (36) 473,
plant growth, (34) 126; (36) 212.	388 673: (32) 79 975 576: (34) 960 479: (36) 479
wheat, (28) 139, 140; (34) 325; (35) 424.	673.
iodin addition product of, (36) 804. methods of analysis, (33) 413.	diseases, notes, (31) 380.
methods of analysis, (33) 413.	fetus, comparative weights and composition,
toxicity as anected by phosphates, (28) 526.	(32) 99.
Country—see also Rural.	fetus, development, utilization of feed for, (37)
church, social service, (40) 194, 390, 486.	71.
communities, social and civic work in, (32) 691. girls, treatise, (34) 290.	insurance—
homes, see Farm homes and Rural homes.	club in Great Britain, (30) 593.
life—	cooperative, in England and Wales, (28)
advancement. New York State advisory	societies in England and Wales, (27) 473.
Doard, (29) 99.	kale, culture experiments, (39) 124.
and rural schools, Greatise, (20) 092.	manure-
bibliography, (33) 593. Club of America, (31) 298.	analyses, (36) 120, 323; (38) 23; (39) 217.
Club of America, (31) 298.	ashes, fertilizing value, (29) 228.
clubs, (36) 595. clubs in Illinois, (32) 496.	bacterial content, (39) 181.
clubs, organization, (31) 96.	manure, effect on—
life conference—	availability of phosphate, (27) 726. availability of potash, (29) 796. bacterial activity of soils, (35) 216. decomposition of green manure, (30) 325;
at Iowa College, (31) 391.	availability of potash, (29) 796.
in Illinois, (27) 399.	decomposition of groon manufacture (20) 205.
in Wisconsin, (26) 598.	(32) 514.
on, (34) 297.	nitrification, (29) 21.
report, (39) 192.	
life—	manure— fertilizing value, (27) 32; (31) 124; (40) 134.
development, (35) 92, 794. development, Louisville conference, (30)	for greenhouse crops, (40) 741.
608; (32) 488.	solubility in milk, (39) 882.
development, research and publicity in, (32)	storage experiments, (37) 628.
102.	under open-shed system, (40) 178.
education association in Montana, (33) 95.	sheds, construction and care, (32) 370.
halls, notes, (26) 499. handbook, (36) 92.	sheds, plans, (28) 86. shelters in Rhodesia, (36) 590.
handbook, (36) 92.	sheiters in Khodesia, (36) 590.
problems of, (36) 93.	stables, open v. closed, (30) 676. stalls—
reader, (39) 299. school, Seaman A. Knapp, notes, (27) 200.	construction and ventilation, (27) 190.
treatise (28) 687	department (97) 702
treatise, (28) 687. week at Ohio State University, (34) 895.	homemade, (33) 90.
work at Ohio State University, (33) 190.	lighting and ventilating, (38) 791.
planning, problems in, (37) 189.	homemade, (33) 90. lighting and ventilating, (38) 791. notes, (32) 590.
towns, treatise, (36) 288.	testing association—
v. city, (37) 593.	high school, notes, (29) 299,
Countryside and nation, (37) 593.	in California, (28) 371.
County— agricultural schools, administration, (36) 691.	in Utah, report, (30) 177. testing associations—
boards of agriculture in New Jersey, (38) 594.	benefits, (37) 96.
experiment farm law, (29) 899; (34) 294.	formation (DO) E70
erneriment forms	formation and operation, (37) 474.
discussion, (32) 96. in Ohio, (28) 40; (31) 98; (36) 898. reports, (33) 828.	in Canada, (27) 676; (29) 673; (30) 574
in Oliio, (28) 40; (31) 98; (36) 898.	Denmark, (26) 169; (32) 871.
reports, (33) 828.	Town (28) 271
fairs, uniform premium lists for, (33) 697. farm adviser, (33) 697. farm bureau, (31) 690; (37) 888.	formation and operation, (37) 474. in Canada, (27) 676; (29) 673; (30) 574 Denmark, (26) 169; (32) 871. Germany, (28) 472. Iowa, (28) 371. Ireland, (40) 678. Maryland, (32) 774
farm hureau. (31) 690: (37) 888.	Maryland. (32) 774.
training schools for teachers in Wisconsin, (36)	Minnesota, (27) 877.
690.	Maryland, (32) 774. Minnesota, (27) 877. Nebraska, (27) 473; (38) 278.
training schools in Alabama, (36) 94.	New Hampshire, (34) 472. New York, (28) 673.
Cover crop—	New York, (26) 673.
experiments, (40) 133.	New Zealand, (26) 79.
mixtures, tests, (28) 734. new, description, (31) 631.	Norway, (30) 194. Sweden, (26) 476; (28) 473; (30) 776.
Cover crops—	Wisconsin, (28) 593, 895; (38) 293.
cost of sowing, (30) 333.	notes, (28) 673; (29) 375; (30) 678; (31) 76;
culture in New Jersey, (38) 33.	Wisconsin, (28) 593, 895; (38) 293. notes, (28) 673; (29) 375; (30) 678; (31) 76; (32) 895; (39) 483, 677.
culture in New Jersey, (38) 33. effect on nitrification in solls, (36) 118.	organizing, (28) 775. tertbook, (26) 169.
iertilizer experiments, (28) 124.	textbook, (26) 169.
field tests in Philippines, (40) 229.	value, (36) 195; (40) 375.
for apple orchards, (34) 148.	testing— illustrated lecture, (38) 95.
berries, (34) 294. citrus fruits, (27) 841; (34) 344.	new plan for, (39) 678.
coconuts, citrus, etc., (33) 535.	
fall planting, (39) 532.	Cowbane, spotted, eradication, (27) 733.
fall planting, (39) 582. Guam, (40) 328.	Cowhage and related species, (37) 328.
orchards, (28) 47; (29) 147, 395; (30) 197; (32) 635; (33) 841; (35) 446, 447, 539; (36) 840; (37)	Cowpea-
635; (33) 841; (35) 446, 447, 539; (36) 840; (37)	and hull chops, analyses, (36) 765.
41, 833; (38) 244, 245, 346, 443; (39) 39, 445.	and sorghum silage, digestibility, (31) 863.

```
Cowpea—Continued.
and sorghum silage, mineral constituents, (40)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cowpeas-Continued
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         wpeas—Continued.
culture—continued.
in Porto Rico, (29) 631.
Rhodesia, (27) 32, 637.
the cotton belt, (32) 631.
Tucumin, (37) 134.
western Nebraska, (32) 224.
on Ozark uplands, (38) 217.
on Wisconsin drift soil, (36) 623.
under dry farming, (30) 435, (37) 329.
disking v. plowing under, (33) 226.
drilling v. broadeasting, (33) 33.
effect on—
                                   beetle, longicorn, (40) 654.
                                   Cercospora disease, notes, (39) 453.
diseases, descriptions, (30) 351.
fly in Philippines, (40) 457.
                                 hay—
analyses, (31) 437.
ash analyses, (29) 861.
composition, (27) 668.
cost of production, (39) 294.
digestibility, (27) 609; (37) 168.
effect on bacterial activity of soils, (35) 216.
feeding value, (40) 667.
mineral constituents, digestibility, (40) 769.
v. alfalfa hay for dairy cows, (29) 876.
leaf spot, notes, (35) 749; (39) 52.
meal, availability of nitrogen in, (26) 124; (27)
723.
mignt lause notes, (28) 653
                                   hay-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     under dry farming, (30) 435; (37) 329. disking v. plowing under, (33) 226. drilling v. proadcasting, (33) 33. effect on—
following wheat crop, (37) 732. soil, (34) 420. soil nitrogen, (26) 196; (31) 733. yield of wheat, (35) 826. elongation of hypocotyl, (28) 39, 739. feeding value, (34) 867. fertilizer experiments, (26) 422, 426, 631, 830; (29) 829; (30) 829; (31) 829; (32) 819; (35) 428, 520; (36) 427; (38) 217, 517; (39) 421, 624, 728; (40) 218, 823, 624. fertilizing value, (32) 321, 629; (33) 227; (35) 125. field tests in Fiji, (40) 231. green, analyses, (30) 565. ground, analyses, (30) 565. ground, analyses, (30) 167. growth as affected by manganese, (30) 823. growth on partially sterilized soils, (35) 515. hogging down, (35) 672. insects affecting, (27) 155. firigation experiments, (40) 331. liming experiments, (28) 624; (32) 132; (36) 229; (39) 421, 729; (40) 126. New Era, selection experiments, (36) 230. nitrogen assimilation by, (33) 426. nitrogen assimilation by, (33) 426. nitrogen distribution in, (36) 269. nodule bectoria of, (32) 327. notes, (26) 362; (28) 532. nutritive value and use in the diet, (29) 864. oil content, (27) 717. origin, (29) 229. perennial, analyses, (28) 463. plowing under, (38) 816. recipes, (38) 567. rotation experiments, (40) 729, 829. seed color variation in, (37) 334. seeding experiments, (40) 829. serpentine leaf miner affecting, (29) 857. silage from, (39) 272. varieties, (26) 631, 828; (27) 335; (28) 735; (29) 31; (20) 920 525; (31) 37, 829, (28) 295, 627, 736.
                                   723.
plant louse, notes, (28) 653.
pod weevil, notes, (37) 659.
Rhizottonia diseases, notes, (30) 845.
root rot, notes, (29) 445.
seed, half-grown, (39) 841.
silage, analyses, (27) 469.
vines, nitrification in soils, (26) 722.
weevil—
biology and control, (39) 363.
                                                                       and root knot, notes, (34) 643.
description, (28) 346.
notes, (29) 444; (30) 538; (32) 543; (39) 52.
                               doscription, (28) 346.
notes, (29) 444; (30) 538; (32) 543; (30) 52.
wpeas—
amino acid in, (33) 605.
analyses, (27) 68, 235; (29) 271.
anatomical structure, (28) 660.
and corn, associated growth, (33) 226; (35) 826;
(37) 731; (38) 32; (40) 627, 729.
kafir, silage from, (28) 734.
sorghum mixture for hay, (39) 128.
sorghum, sowing experiments, (28) 735.
soy beans, comparative yields, (40) 330.
as affected by—
barium and strontium, (40) 819.
bean leaf beetle, (40) 860.
calcium and magnesium, (35) 726.
guanidin, (28) 427.
pod position, (34) 134.
as cover crop, (32) 332; (34) 736.
dry-farm crop, (39) 736.
dry-farm crop, (39) 736.
forage crop, (31) 829; (37) 640.
green manure, (32) 225, 423; (34) 230; (35) 337;
(37) 320, 425; (38) 220, 230; (39) 423.
prolliminary crop for wheat, (38) 619.
silage crop, (31) 829.
sah analyses, (29) 861.
Blackeye, as affected by salt, (10) 435.
Blackeye, drought resistance, (39) 835.
breeding experiments, (36) 646.
breeding for disease resistance, (30) 331.
color inhoritance in, (30) 636.
color inhoritance in, (30) 636.
color rindoritance in, (30) 636.
coloration of seed coat, (31) 130.
colorations in, studies, (27) 632.
cost of production, (33) 293.
creatinin in, (20) 419.
culture, (26) 830; (27) 32, 340; (30) 139, 232, 335;
(31) 265; (32) 226, 431, 736; (34) 630, 694; (38)
221, 567.
culture—
and use, (31) 832; (35) 33.
      Cowpeas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                serpentine tent miner ancetting, (29) 507.
silage from, (39) 272.
varieties, (26) 631, 828; (27) 335; (28) 735; (29) 31;
(30) 229, 525; (31) 37, 829; (32) 226, 527, 736;
(33) 32, 33, 220; (34) 228; (35) 337; (37) 235, 329,
330, 331, 430, 635; (38) 334, 336, 632, 827, 829,
830, 832; (39) 337.
varieties—
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                varieties—
catalogue of, (26) 635.
identification, (26) 635.
resistant to root knot, (27) 335.
variety tests, (39) 128, 434; (40) 32, 624, 729.
water requirement, (32) 127, 226.
wilting coefficient, (32) 335.
yields, (31) 226.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cowpox-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cowpox—
complement fixation in, (34) 877.
in horses, (38) 586.
Cows—see also Calvos, Cattle, and Heifers.
advanced registry—
milk and fat production, (38) 377.
statistical weighting for age, (36) 272.
tests, (40) 773.
age as affecting production, (32) 575; (33) 97;
(38) 176; (39) 381, 579.
age as affecting production, (32) 575; (33) 97;
age as affecting value, (35) 891.
age at first calving and milk production, (38)
74; (40) 178.
aged, milk and milk fat of, (38) 578.
alfalfa hay for, (30) 72.
alfalfa v. clover for, (39) 578.
apple pomace for, (26) 72.
artifloial fecundation of, (33) 71.
as affected by—
alkali water, (30) 775.
cottonseed meal, (35) 871, 872.
environment and breeding, (35) 570.
extra care, (35) 873.
extracts of pituitary body and corpus luteum, (29) 578.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    complement fixation in, (34) 877.
                                              culture
                                                                         turo—
and use, (31) 832; (35) 33.
experiments, (20) 422, 632, 830; (27) 235, 735,
541; (29) 830; (30) 229, 434, 632; (31) 37, 829;
(33) 31, 225, 229, 830; (34) 227; (35) 528; (36)
340; (37) 329; (38) 217, 334, 336, 632, 827, 829,
330; (39) 128, 835; (40) 624.
in German East Africa, (27) 419.
Guam, (40) 328.
Hawaii, (40) 828.
Illinois, (37) 438.
Montana, (33) 526.
North Caroline, (31) 132.
Philippines, (26) 361; (30) 237; (36) 230;
(40) 231.
```

Carra Cantinua 3	
Cows—Continued.	Cows—Continued.
as affected by—continued. gestation and parturition, (28) 885.	green alfalfa for, (39) 281.
overfeeding, (35) 774.	Guernsey, history, (40) 179.
underfeeding, (36) 669.	Guernsey, milk records, (40) 872. Guernsey, records of, (32) 774
assumption of male secondary characters by,	handling, (32) 590.
(33) 369.	Guernsey, records of, (32) 774. handling, (32) 590. heat period and milk production, (40) 878.
Ayrshire, relation between amount and com-	deating drinking water for, (28) 175
position of milk produced, (29) 876.	Height measurement, (33) 2/4.
balanced rations for, (26) 774. balanced v. unbalanced rations for, (28) 174.	high milk producing, notes, (34) 472. high milk producing, records of, (26) 476. high milk producing, sterility, (40) 374.
barley for, (40) 878.	high milk producing, records of, (20) 470.
body weight and milk yield, relation, (32) 267.	Holstein-Friesian—
bone growth, horn development, and perform-	official tests, (40) 773.
ance in, (32) 266.	official tests, (40) 773. 7-day tests, (40) 774.
breeding for high production, (29) 375.	home-grown v. purchased feeds for, (36) 872.
breeds and origin, textbook, (39) 881.	home-grown v. purchased feeds for, (36) 872. imported in New South Wales, (27) 277. improvement in Victoria, (36) 572.
Brown Swiss, milk production, (30) 572. cacti for, (31) 77; (33) 766.	in Tapon (99) 270
calving, fall and spring, milk yield of, (31) 770,	in Japan, (28) 370. in tick-infested regions, blood of, (26) 382.
771.	in United States, (28) 390; (31) 73.
care and management, (29) 775, 876; (30) 678;	individuality, (26) 95.
(31) 272, 299; (36) 473.	individuality, (26) 95. inheritance of milking qualities in, (26) 169.
chopped alfalfa v. bran for, (39) 783.	irrigated pastures for, (36) 173.
coconut meal for, (39) 676.	Jersey and Holstein, economy of production,
competition, (35) 674; (40) 375. concentrated v. bulky rations for, (28) 174.	(38) 277.
conformation and milk yield, (28) 878; (31) 76,	judging, (26) 597; (27) 375; (29) 577, 673; (36) 194,
573; (33) 78; (34) 379.	473.
conformation of, (26) 574.	Kerry and Dexter, milk and fat records, (37)
correlation between form and function, (29)	172.
473; (30) 271.	labor requirements, (36) 790.
cost of feeding by breeds, (34) 181.	large v. small for milk production, (34) 773.
cost of raising, (30) 472; (32) 574; (34) 472, 671;	leguminous feed for, (38) 681; (40) 374.
(38) 679.	lime requirements, (31) 864.
dairy breeds, (38) 376. "dairy temperament," (39) 279. difficult parturition in, (26) 381.	maintenance requirements, (26) 475; (30) 773. maintenance standard, (31) 673.
difficult parturition in. (26) 381.	management on a small holding, (30) 90.
digestion experiments, (26) 475; (30) 774; (38)	measurements, (28) 873.
digestion experiments, (26) 475; (30) 774; (38) 73; (39) 75, 381.	metabolism experiments, (27) 775.
dried yeast for, (33) 467.	milk flow as affected by dipping, (35) 878. milk production, see Milk production.
economy of production, (38) 277.	milk production, see Milk production.
effect of— fetness on fet content of milk (27) 220	milk vein system in relation to production, (38)
fatness on fat content of milk, (27) 280.	476.
fetal growth on milk production, (29) 577. work on milk yield and fat content, (30)	milking tests. (27) 676: (29) 373, 375: (32) 75.
475.	mineral metabolism. (35) 481; (36) 297; (37) 169;
efficiency table, (37) 775.	milking capacity, transmission, (32) 174. milking tests, (27) 676; (29) 373, 375; (32) 75. mineral metabolism, (35) 481; (36) 297; (37) 169; (38) 374, 779; (40) 373.
factors affecting development, (33) 274.	mortanty tables, (21) 515.
factors affecting growth and dairy qualities, (34)	newly lactating, detection, (31) 180.
378.	normal flora of genitalia, (28) 885.
fattening, (33) 175. feed rations for, (31) 77.	nutrients returned by, (38) 376. oestral period as affecting production, (39) 882.
feed requirements. (27) 374.	on general farms, (40) 574.
feed unit system for, (28) 74. feeding, (26) 273; (27) 877; (29) 276, 473, 575, 577; (32) 173; (33) 275, 673; (34) 209, 694; (35) 378,	on Para grass pasture, (40) 366.
feeding, (26) 273; (27) 877; (29) 276, 473, 575, 577;	on pasture, concentrate feeding, (40) 877.
(32) 173; (33) 275, 673; (34) 209, 694; (35) 378,	open shed v. closed stable for. (30) 676; (34) 181
674. feeding experiments, (26) 170, 266, 267, 273, 369, 467, 488, 476, 673, 879; (27) 280, 374; (28) 174, 175, 265, 363, 371, 372, 572, 877, 878; (29) 172, 277, 373, 374, 475, 575, 576, 774, 775; (30) 175, 176, 177, 375, 573, 576, 773, 774, 874; (31) 77, 173, 673, 771; (32) 08, 74, 168, 258, 265, 266, 367, 470, 573, 866, 672, 773, 571; (33) 77, 170, 174, 381, 382, 575, 674, 765, 766, 872; (34) 180, 181, 182, 269, 471, 683, 670, 671, 773, 774, 873; (35) 174, 481, 562, 671, 673, 871, 872; (36) 75, 173, 174, 273, 374, 571, 669, 765, 772, 871, 872, 875; (37) 75, 169, 171, 372, 882,	182; (35) 571; (38) 277; (40) 177. osage oranges for, (36) 374. outer milk signs, (27) 675.
10001ng experiments, (26) 170, 260, 267, 273, 369,	osage oranges for, (36) 374.
175 265 263 271 272 572 277 278 (20) 174,	perturition diagnosing time of (31) 876
277, 373, 374, 475, 575, 576, 774, 775; (30) 175,	parturition, diagnosing time of, (31) 876. pasturing, (40) 575.
176, 177, 375, 573, 576, 773, 774, 874; (31) 77, 173,	pasturing experiments, (37) 271; (38) 175; (39)
673, 771; (32) 68, 74, 168, 258, 265, 266, 367, 470,	pasturing experiments, (37) 271; (38) 175; (39) 272, 474, 879; (40) 374.
573, 666, 672, 773, 871; (33) 77, 170, 174, 381, 382,	pasturing v. stable feeding, (37) 574.
575, 574, 705, 766, 872; (34) 180, 181, 182, 269, 471,	pine needles for, (28) 768.
000, 070, 071, 770, 774, 010, (00) 174, 401, 302, 071, 679, 971, 979, 728, 75, 173, 174, 979, 974, 571, 660	poisoning with box enter, (37) 50.
765 779 871 879 875 (37) 75 160 171 379 689	poisoning with box elder, (37) 80. protection from flies, (37) 260. protein requirements, (31) 173; (38) 74; (40) 572.
765, 772, 871, 872, 875; (37) 75, 169, 171, 372, 682, 683, 766, 872; (38) 66, 73, 168, 174, 277, 375, 477, 571, 678, 680, 681, 779, 876; (39) 75, 381, 482, 575,	pumpkins for. (38) 571.
571, 678, 680, 681, 778, 876; (39) 75, 381, 482, 575,	pumpkins for, (38) 571. rations for, (30) 169; (30) 374; (37) 195, 684.
782; (40) 573, 672.	records, see Dairy herd records.
feeding-	refuse brewers' yeast for, (33) 568.
experiments in Denmark, (33) 174. experiments, methods, (39) 380.	register-of-merit Jerseys, age factor in, (26) 166. register of production in Wisconsin, (39) 784.
	registration in Denmark, (30) 572.
for milk production, (29) 577. in summer, (30) 875.	relation between milk and fat yields, (27) 574.
in the South, (32) 574.	resistance toward tubercle bacilli, (27) 383.
in winter. (30) 73.	respiration experiments, (39) 676.
standard for, (30) 774; (34) 670. fish meal for, (29) 270; (35) 769.	retained placenta, cause and treatment, (36)
nsn meal for, (29) 270; (35) 769.	675.
noacing 110s, (21) 115.	rice-gluten meal for, (32) 266.
forage crops for, (37) 599.	rolled barley for, (39) 783. rutting, studies, (26) 367; (27) 672.
genital organs and udder, bacterial flora, (39) 383.	salt requirement, (40) 775.
gestation and sterility in, (39) 279.	salt requirement, (40) 775. school lessons on, (32) 494.
gestation period, (28) 466; (33) 171.	score cards for, (28) 775; (37) 172.
giving abnormal milk, detection, (26) 87.	selecting by score card totals, (40) 872.
grain rations, (40) 574.	selection and feeding, (29) 577.
grapevines for, (31) 72.	Shorthorn, cost of milk production, (39) 182.

Cows-Continued.	Cranberries—Continued.
silage crops for, (38) 174	apparatus for investigating nutrition of, (26) 196. as affected by copper fungicides, (28) 247.
slop-fed, milk from. (26) 370. soilage v. sılage for, (27) 68; (30) 874; (34) 671.	benzoic acid in, (33) 15.
sterility and abortion in, (32) 82. sterility in, (36) 777; (37) 379. succulent teed for, (26) 574.	breeding experiments, (33) 637; (36) 443; (39) 749.
sterility in, (36) 777; (37) 379.	culture, (26) 841; (30) 643; (31) 712; (33) 736.
succulent teed for, (26) 574.	culture—
sugar-beet tops for, (33) 169. sunflower silage for, (38) 74; (39) 182.	experiments, (28) 838; (30) 142; (31) 441, 740, 835; (33) 341, 342; (36) 43; (39) 47.
sweet sorehum silege for (39) 71	in Canada, (36) 240.
sweet sorghum silage for, (39) 71. testing, (27) 375; (32) 575; (36) 773; (38) 74.	in Massachusetts, (36) 141.
testing in Argentina, (36) 673.	in Wisconsin, (34) 42.
testing, rules for, (34) 76, 182.	effect on composition of urine, (31) 761.
tests of breeds, (30) 73.	false blossom of, (31) 840; (36) 240.
tests, one-v. two-day, (31) 871, 872. tests, 7-day v. yearly, (35) 481.	fertilizer experiments, (26) 840; (28) 341; (30) 143; (31) 441, 741, 835; (32) 541; (33) 341; (34) 150, 834; (36) 44, 641; (37) 745; (39) 48, 748.
tuberculous-	(36) 44, 641; (37) 745; (39) 48, 748.
eradication, (28) 675.	1mprovement, (311 741; (30) 338.
relation to human health, (29) 382.	insects affecting, (26) 840, 857; (28) 341, 352, 752, 854; (30) 154; (31) 752; (33) 351, 352; (35) 55;
udders, see Udder. uringlysis, (28) 81.	(36) 54; (37) 53; (38) 460; (39) 60; (40) 753.
utilization of protein and energy rations, (39)	irrigation, Skinner system, (28) 341.
75, 381.	irrigation, Skinner system, (28) 341. liming experiments, (31) 442; (39) 48, 749.
vegetable-ivory meal for, (36) 368.	pollination experiments, (26) 840, 858; (30) 143;
water requirements, (40) 774. water supplies for, (35) 189.	(31) 741. protection against frost, (26) 514; (31) 740;
watering, (38) 374, 680.	(33) 341; (36) 43.
watering, (38) 374, 680. wild onion poisoning, (40) 577.	root growth, (33) 311.
winter fodder for, (29) 577.	Scandinavian, desiccation, (32) 117.
wintering experiments, (28) 266.	seeds and seed oil of, (30) 803.
Wisconsin Register of Production, (40) 774. Coyote—	shipment, (39) 750. spoilage, (39) 56.
parasites, notes, (32) 185.	spoilage after picking, (34) 252; (37) 745; (39) 749.
proof pastures for sheep, (26) 73.	spraying experiments, (31) 741; (39) 55.
Coyotes	standard barrel for, (32) 499.
combating, (39) 59.	storage experiments, (30) 143; (36) 43; (39) 47,
host of spotted fever tick, (26) 64. relation to Rocky Mountain spotted fever, (27)	749. varieties, (28) 341.
479.	Cranberry—
spreading disease among, (32) 480.	blight, cause, (33) 342. blossom end rot, notes, (30) 143.
Crab apple—	blossom end rot, notes, (30) 143.
Amur, description, (30) 640. blight, notes, (34) 648.	blossoms, fertilization, (28) 341.
brown bark spot on. (39) 251.	bogs— constructing and planting, (26) 841.
brown bark spot on, (39) 251. brown rot, studies, (31) 749. butter, artificial coloration, (27) 809. rust, notes, (40) 53.	management, (27) 345. natural fertility of, (28) 324. of Wisconsin, frost and temperature conditions in, (26) 514.
butter, artificial coloration, (27) 809.	natural fertility of, (28) 324.
rust, notes, (40) 53.	of Wisconsin, frost and temperature con-
Crab apples— breeding experiments, (39) 346.	protection against frost, (27) 509
inoculation experiments with brown rot fungus,	protection against frost, (27) 509. seepage water from, (31) 718. temperature conditions in, (34) 715.
(33) 247.	temperature conditions in, (34) 715.
of upper South Carolina, (36) 140.	water supply, (39) 793.
seed production, (38) 245. varieties, (37) 142.	diseases— notes, (28) 341; (39) 55, 652.
varieties—	studies, (26) 840; (33) 350; (36) 51.
for Missouri, (40) 341.	studies, (26) 840; (33) 350; (36) 51. treatment, (30) 143; (31) 740; (32) 52, 53.
for Oregon, (39) 241.	dishes, sugar substitutes in. (40) 67.
in Oklahoma, (27) 241.	end rot, studies, (38) 252. fireworm, notes, (28) 854.
new, (39) 346. Crab grass—	fruit rots, studies, (28) 454.
as affected by soil acidity, (10) 125.	fruit worm—
as affected by soil acidity, (10) 125. eradication, (27) 733.	notes (34) 851
notes, (26) 361.	remedies, (30) 154; (39) 60.
Crab louse, studies, (39) 764. Crab, tarabagam, composition, (40) 171.	remedies, (30) 154; (39) 60. studies, (26) 857; (31) 453; (36) 54. fungus rots, studies, (39) 749.
Crabs—	girdler, see Crambus hortuellus.
as host of lung distome, (35) 384, 681; (36) 577.	industry, relation to Weather Bureau, (27) 539.
control, (39) 461.	leaf miner, notes, (34) 851.
creatin and creatinin content, (31) 760 destruction of cystols by (36) 853	rootworm, remedies, (39) 60. rootworm, studies, (33) 456.
destruction of oysters by, (36) 853. Cracker waste, analyses, (35) 562; (30) 773. Crackers, examination, (27) 165.	rot, studies, (39) 56.
Crackers, examination, (27) 165.	sous, limed, Azotobacter in, (40) 214.
Crambid moths, trap lights for, (37) 259.	spanworm, notes, (28) 854.
orambids— new, from United States, (37) 564.	spanworm, studies, (31) 453.
notes, (35) 659.	storage rots, (40) 252. studies, (40) 150.
Crambinae—	tip worm, notes, (34) 851.
of North America, (40) 168.	tip worm, studies, (39) 60.
of Nova Scotia, (40) 57. Crambus—	toad-bug, studies, (31) 156.
caliginosellus, notes, (28) 158.	vinehopper, notes, (38) 559. worm, blackheaded, see Eudemis vacciniana.
caliginosellus, studies, (31) 253.	Crane flies—
hemiochrellus, studies, (40) 168.	
hortuellus—	leaf-eating, life history, (40) 169.
	leaf-eating, life history, (40) 169. notes, (28) 160.
notes, (28) 352, 854; (34) 756; (40) 755.	leaf-eating, life history, (40) 169. notes, (28) 160. of North America, biology, (32) 153; (33) 561;
notes, (28) 352, 854; (34) 756; (40) 755. remedies, (26) 858; (30) 155. studies, (38) 59.	leaf-eating, life history, (40) 169. notes, (28) 160. of North America, biology, (32) 153; (33) 561;
notes, (28) 352, 854; (34) 756; (40) 753. remedies, (26) 885; (30) 155. studies, (38) 59. luteolellus, notes, (34) 752; (36) 856.	leaf-eating, life history, (40) 169. notes, (28) 160. of North America, biology, (32) 153; (33) 561; (35) 57. Oranes, North American, distribution and migra- tion, (32) 55.
notes, (28) 302, 804; (34) 708; (40) 753. remedies, (28) 858; (30) 155. studies, (38) 59. luteolellus, notes, (34) 752; (36) 856. Cranberries— acidity, (32) 110; (37) 714.	leaf-eating, life history, (40) 169. notes, (28) 160. of North America, biology, (32) 153; (33) 561;

Crataegus—	Cream—Continued.
inoculation experiments with brown rot fungus,	pasteurization—
(33) 247. mollis, after-ripening of seed, (28) 226.	and aging, effects on viscosity, (40) 81.
seeds, after-ripening studies, (29) 527.	cost, (30) 75; (34) 380. for butter making, (33) 473; (34) 775; (36)
variability and hybridization in, (36) 630.	for butter making, (33) 473; (34) 775; (36) 773; (37) 576; (38) 880; (39) 78, 785.
Crater National Forest, description, (26) 240.	paying for at cheese factories, (28) 278.
Craterellus cornucopioides, composition, (30) 805. Cratopus punctum, notes, (29) 858.	paying for at creameries, (29) 375.
Cratosomus sp., notes, (30) 657.	powder, manufacture, (35) 678. preservatives—
Cratotechus hoplitis n.sp., description, (26) 63.	analyses and detection, (26) 806.
Crawfish—	detection, (31) 811. tests, (27) 777.
as crop destroyers, (27) 550.	production—
destruction, (27) 551.	and care. (32) 575: (33) 383.
destruction in springs, (26) 654. studies, (27) 394.	and care. (32) 575; (33) 383. and grading, (37) 373. and inspection in New England, (34) 380.
Cream—	and inspection in New England, (34) 380.
acidity—	midel spring conditions, (37) 273.
as affected by neutralizers, (30) 75.	receiving stations, (40) 879. regulations in England and Wales, (27) 678.
relation to butter quality, (38) 281; (39) 679.	regulations in United States, (35) 800: (36) 874.
relation to Streptococcus lacticus, (33) 675. studies, (32) 872.	remade, (40) 802. ripened, bacteria in, (34) 672.
	ripened, bacteria in, (34) 672.
analyses, (26) 80, 171; (28) 178, 862; (30) 178; (33) 277.	ripening at low temperature, (31) 375. samples, care of, (28) 278.
as affected by molds, (39) 785.	sampling, (27) 208; (29) 879.
Babcock test, (40) 378.	scales, accuracy, (28) 278.
bacteria, heat resistance, (39) 78.	scoring, (35) 176.
bacteria, studies, (39) 78. buying, permit system, (27) 179; (29) 879.	separation, (28) 371; (33) 695; (36) 571; (40) 415. separation, theory of, (28) 776.
cakes, poisoning due to, (31) 555.	separator, description and tests, (27) 486.
care and handling, (27) 676; (32) 576; (35) 99. care of, (29) 673, 674, 777.	separators—
care of, (29) 673, 674, 777.	care, (32) 576; (36) 674. description, (29) 390; (34) 891.
care on the farm, (29) 71, 463; (32) 473; (33) 80; (36) 674, 775.	description, (29) 390; (34) 891.
cheese manufacture, (27) 375.	distribution of bacteria by, (32) 268.
chemical and bacteriological standards, (27)281.	notes, (27) 792; (30) 488. operation, (32) 874; (34) 891; (37) 576.
churnability, factors affecting, (29) 579.	tests, (28) 187, 385; (29) 88, 390; (34) 590.
churning experiments, (30) 274. classification at New York, (27) 678.	sour—
classimeter, description, (36) 875.	casein by-product of, (26) 81. of East Hungary, composition, (26) 171.
clean, (28) 194.	viability of typhoid bacillus in, (32) 675.
Ciotiea, (99) 869.	specific heat, (32) 715.
contests, (28) 176; (34) 874.	standardization, (26) 275; (27) 879; (29) 777; (35)
contests, educational value, (26) 478. contests in Michigan, (39) 383. cooling, (29) 696; (34) 572; (35) 874; (39) 382, 679. cooling tanks, construction, (37) 591. cost of distribution, (38) 177. cost of pasteuring (31) 188	378. stariliging (33) 473
cooling, (29) 696; (34) 572; (35) 874; (39) 382, 679.	sterilizing, (33) 473. storage, (32) 356.
cooling tanks, construction, (37) 591.	streptococci in. (28) 581.
cost of distribution, (38) 177.	sweet, selling, (27) 179. tables for blending, (33) 577.
cost of pasteurizing, (31) 188. desiccated, composition, (28) 113. desiccated, methods of analyses, (28) 113. Devonshire "clotted," (33) 277.	tables for Diending, (33) 577.
desiccated, methods of analyses, (28) 113.	testing, (27) 777; (28) 277; (29) 876, 879; (30) 74, 875; (31) 674; (32) 874; (36) 78, 674.
Devonshire "clotted," (33) 277.	testing-
Devousnire, making, (27) 777.	and grading, treatise, (26) 578.
digestibility, (36) 860. effect on bacterial content of ice cream, (32) 660.	and handling, (32) 774.
examination, (34) 76. expansion of, (32) 471. fat content, determination, (27) 497; (33) 16.	apparatus, notes, (27) 792. Babcock method, (30) 810.
expansion of, (32) 471.	balances, tests, (35) 873. errors in, (26) 371. for fat, (39) 182. law, (28) 473.
fat content, determination, (27) 497; (33) 16.	errors in, (26) 371.
fat content, factors affecting, (26) 599; (29) 879; (33) 383; (37) 576.	10f 18t, (39) 182. 1aw (28) 473
from sheep and buffalo milk, analyses, (27) 575.	
garlic flavor in, removal, (31) 771.	utensils, inspection, (30) 178. tests, variations in, (33) 383; (36) 674, 775; (38)
grading, (27) 311; (32) 175.	tests, variations in, (33) 383; (36) 674, 775; (38) 280.
grading and improvement, (37) 592.	transportation, (30) 74.
grading and labeling, (36) 176. grading in Alberta, (29) 375. handling, (27) 778; (34) 79; (35) 176.	unwhippable, cause and remedy, (28) 473.
handling, (27) 778; (34) 79; (35) 176.	use of preservatives in, (27) 282.
homogenization, (29) 879; (30) 275. homogenization, device for, (27) 74.	viscosity, (30) 179. yellow color in, (33) 175.
homogenization, device for, (27) 74.	
homogenized, for cheese making, (40) 576, 865.	Creameries— accounting systems for, (37) 875.
improvement, (28) 473. inspection, (28) 65.	arrangement of machinery and cooling facil-
judging by score cards, (27) 74.	ities, (27) 284.
law in Michigan, (30) 74.	computor for, (31) 276. construction, (30) 89; (32) 889.
law in New Jersey, (35) 873. law in Pennsylvania, (27) 767.	cooperative, (33) 91.
iaws and regulations in United States, (33) 874.	cooperative—
low-grade, notes, (27) 899.	in Minnesota, (32) 688; (38) 178. in Wisconsin, (28) 895; (32) 893; (38) 293.
market, contests, (36) 774.	in Wisconsin, (28) 895; (32) 893; (38) 293.
low-grade, notes, (27) 899. market, contests, (38) 774. market, of Iowa, (35) 572. marketing in Florida, (39) 282.	organization and management, (29) 674.
marketing in the South, (32) 3//.	Danish, skimming and churning in. (28) 776.
metallic flavor in. (35) 276.	organizing, (28) 775. Danish, skimming and churning in, (28) 776. expense items in, (29) 375.
methods of analysis, (31) 114; (34) 713. neutralizing, (35) 277; (38) 281; (39) 384, 679. of tartar, crystallization in grapes, (30) 803.	for southern farmers, (32) 577. Government operation, (40) 688.
neuranzing, (55) 277; (55) 251; (59) 384, 579.	hot water for (28) 802
of tartar, deposition by wine. (30) 612.	hot water for, (28) 892. in Ireland, (27) 375.
of tartar, deposition by wine, (30) 612. pasteurization, (27) 179; (28) 278; (30) 575; (35) 99; (37) 476; (39) 78; (40) 79, 81.	Minnesota, (37) 777.
99; (37) 476; (39) 78; (40) 79, 81.	Norway, (29) 897.

Creameries—Continued.	Creatinin—Continued.
in Wisconsin, (30) 679. Wisconsin and Minnesota, marketing prac-	in muscle, (32) 764; (33) 566. plants. (33) 725.
tices, (39) 580.	starvation, (33) 663.
inspection, (26) 868; (27) 879. inspection in—	vegetable matter, (26) 420. isolation from soils, (26) 419, 420.
Canada, (36) 476.	metabolism, (32) 764; (33) 566.
Canada, (36) 476. Illinois, (36) 467.	metabolism, (32) 764; (33) 566. metabolism in dogs, (26) 565.
Indiana, (32) 254; (36) 78, 773; (39) 884. Maine, (28) 879.	origin, (31) 507. origin in soils, (26) 419, 815.
New Jersey, (32) 254. Virginia, (29) 766; (30) 74, 377. management, (36) 275, 574.	preparation from creatin, (31) 503.
management, (36) 275, 574.	relation to animal metabolism, (31) 661. source of, (33) 69; (35) 766.
management and plans, (31) 675.	studies, (26) 158; (35) 665.
milk fat losses in, (40) 377. special products and by-products, (27) 179.	urinary, relation to muscle creatin, (28) 865.
statistics in Canada, (38) 294.	Creatinuria— and acidosis, (40) 765.
statistics in Canada, (38) 294. use of fuel in, (29) 88; (40) 476. water supply for, (29) 474.	and acidosis, (40) 765. in women, (39) 873. studies, (40) 365.
Creamery—	Studies, (40) 365. Creatosin, studies, (30) 766.
and testers' license law, (33) 383.	Creeping bent grass, growth on volcanic ash, (32
college, financial statement, (27) 283. equipment, operation, (32) 874.	36. Cremastogaster sp., notes, (31) 853; (35) 254, 365.
experimental, at Grove City, Pennsylvania,	Cremastus—
(34) 498. industry in Montana, (31) 675.	hymeniae n.sp., description, (26) 352.
law in Indiana, (30) 576.	hymeniae, parasitic on beet webworm, (26) 250 n.spp., descriptions, (38) 660.
practice, compilation of articles on (29) 777	Crematory for dead poultry, (30) 175.
practice in Virginia, (29) 473.	Creolin as a disinfectant, (31) 383.
practice, treatise, (30) 271, 275.	Creosote— absorption by wood (27) 848
promoters, harm done by, (28) 775.	absorption by wood, (27) 846. analyses, (28) 206; (36) 244.
records, proposed system, (37) 75.	as milk preservative, (31) 674; (32) 576.
industry in Montane, (31) 675. law in Indiane, (30) 576. license division, report, (38) 281. practice, compilation of articles on, (29) 777. practice in Virginia, (29) 478. practice, treatise, (30) 271, 275. problems, (29) 879. promoters, harm done by, (28) 775. records, proposed system, (37) 75. sewage, deodorizing, (28) 879. sewage, deodorizing, (28) 879. sewage disposal, (31) 489; (32) 889; (34) 89. waste sulphurio acid, use in superphosphate manufacture, (40) 16.	as milk preservativo, (31) 674; (32) 576. pole preservativo, (28) 644; (27) 148. soil disinfectant, (31) 621.
waste sulphuric acid, use in superphosphate	" OU Proservative, (20) 012, (32) 011, (31) 000
manufacture, (40) 16. waste water, purification and disposal, (31) 773	characteristics, (26) 206. commercial, investigations, (27) 648.
Creatin.	effect of tar in, (39) 394.
and creatinin in blood. (40) 274, 765.	commercial, investigations, (27) 648. effect of tar in, (39) 394. effect on strength of timber, (28) 590. evaporation, (26) 644. examination, (34) 508.
and creatinin in milk, (40) 509.	examination, (34) 508.
absorption experiments, (28) 664. and creatinin in blood, (40) 274, 765. and creatinin in milk, (40) 509. and creatinin, studies, (39) 571. as source of creatinin, (33) 69. behavior during fatigue, (32) 744	from hardwood tar, (37) 114. from piles, analyses, (27) 348. insecticidal and larvicidal value, (34) 359.
behavior during fatigue, (32) 764. determination, (32) 505.	insecticidal and larvicidal value, (34) 359.
distribution in mammals, (31) 765.	methods of analysis, (26) 510.
effect on plant growth, (27) 621; (28) 324.	as wood preservative, (27) 314.
elimination during fasting, (30) 260. excretion—	officacy in impregnated woods, (28) 844. review of literature, (26) 206.
during starvation, (32) 257; (33) 663.	toxicity and volatility, (36) 711.
in carbohydrate starvation, (30) 864.	toxicity and volatility, (36) 711. penetration of hardwoods by, (38) 892.
children, (26) 158; (31) 860; (38) 569. blood, (39) 806.	sulphonation test for, (26) 316. toxicity to wood-destroying fungi, (37) 502.
blood of children, (35) 665.	volatilization after injection into wood, (26) 50
foods, (31) 760. meat extracts, (27) 498; (32) 299.	Creosoted wood, disappearance of phenols from, (29
meat products, (29) 800.	Crepidotus sp. (?) notes, (29) 152.
muscle, (28) 865; (33) 13; (34) 507; (35) 664.	Cropis capillaris, description, (35) 642. Crescograph, description, (32) 222.
rabbit meat, (26) 563.	Cresepton as a disinfectant, (31) 383.
urine, (35) 207. Vegetable matter, (26) 420.	es wood preservative, (27) 314.
vegetable matter, (26) 420. metabolism, (32) 76; (33) 566; (36) 161. metabolism in dogs, (20) 565. metabolism in dogs, (20) 565.	commercial, toxicity, (38) 283.
	determination, (28) 413. effect on soil nucroorganisms, (31) 27.
origin, (34) 507; (38) 869. relation to animal metabolism, (31) 661.	emulsions, tests, (34) 780. fungicidal value, (35) 208.
studies, (26) 158; (35) 665.	fungicidal value, (35) 208. preservatives, determination in serums, (38)
Creatinin-	316.
absorption experiments, (28) 664. determination, Folin method, (31) 503.	preservatives, preparation, (38) 378.
effect on plant growth, (26) 420; (27) 621; (28)	sterilization of soils by, (32) 816. Cresoltyrosinase, notes, (28) 503.
324. elimination and basal metabolism, relation, (32)	Cress-
359.	as affected by formaldehyde, (26) 731. diseases, notes, (30) 647.
elimination during fasting, (30) 260. excretion—	diseases, notes, (30) 647. electroculture experiments, (30) 430.
as affected by meat feeding, (36) 264.	fertilizer experiments, (30) 821. induced semiparasitism in, (29) 629.
by pigs, (26) 364.	insects affecting, (28) 352.
by women, (32) 256, 663. during starvation, (32) 257.	seeds, disinfection experiments, (31) 738. Cricket—
on creatin-free diet, (32) 663.	big brown, notes, (28) 249.
formation by bacteria, (33) 725. in blood of children, (35) 665.	coules, notes, (37) 54. coules, remedies, (35) 756.
foods, (31) 760,	dark brown, injurious to plants, (38) 761.
legumes, (32) 560. meat extracts, (27) 498; (32) 299.	Crickets
meat products. (29) 800.	destruction, (27) 358.

Crickets—Continued.	Crop—Continued.
in South America, (37) 157. injurious to Kickxia rubber, (30) 752.	production— at high altitudes, (39) 810.
injurious to potatoes, (37) 157.	cooperation in, (30) 792.
Criconema n.g. and n.spp., descriptions, (35) 460. Cricula andrei, habits, (27) 456.	cost in Ohio, (40) 292. effect on nitrification in soils, (31) 119.
Criocephalus rusticus, injurious to timber, (29) 858.	factors affecting, (26) 422; (35) 624.
Criocerinae, catalogue, (30) 458. Crioceris—	for 1919, (40) 487. in Algeria and Tunis, (40) 594.
asparagi, see Asparagus beetle.	Germany and America (28) 294
duodecimpunctata, see Asparagus beetle, twelve-	Ireland, (34) 291. Saskatchewan, (38) 594. Switzerland in 1916, (38) 91.
spotted. melanopa, injurious to cereals, (28) 653.	Switzerland in 1916, (38) 91.
Criptocephalus commutatus, notes, (28) 855.	mamicuance, (32) 14.
Crisco, analyses, (27) 165. Cristatithorax—	production, relation to— meteorology, (28) 198; (29) 314.
latiscapus n.sp., description, (37) 59.	meteorology, (28) 198; (29) 314. soils, (26) 434; (29) 416.
pulchor n.g. and n.sp., description, (26) 254. Crithidia—	temperature and rainfall, (26) 415; (28) 716; (38) 208.
euryophthalmin.sp., studies, (39) 559.	production—
fasciculata in hibernating mosquitoes, (30) 757. gerridis, pathogenic to warm-blooded mammals,	textbook, (32) 393.
(33) 862.	transpiration in, (35) 823. variations, effect on prices, (35) 496. records, methods of keeping, (27) 142; (28) 536. reports, (26) 94, 190, 490, 595, 689, 897; (27) 296, 392, 489, 692, 895, 896) (29) 89, 595, 690, 791, 896; (29) 190, 296, 896; (31) 95, 190, 391, 789; (32) 90, 287, 490, 594, 689, 893; (33) 93, 192, 295, 395, 594, 788; (34) 91, 290, 392, 595, 690, 896; (35) 91, 192, 393, 590, 684; (36) 92, 193, 392, 689, 894; (37) 92, 191, 392, 697, 891; (38) 91, 294, 393, 596, 695, 793; (39) 90, 192, 296, 497, 594, 796, 895; (40) 93, 283, 391, 490, 594, 792, 894. reports in Nebraska, (37) 291.
hyalommae, studies, (30) 460. leptocoridis, morphology and life history, (34)	records, methods of keeping, (27) 142; (28) 536.
858.	392, 489, 692, 895, 896; (28) 90, 295, 489, 595, 690,
melophagi, relation to sheep's blood, (26) 760.	791, 896; (29) 190, 296, 896; (31) 95, 190, 391, 789;
Crocus— bulbs as food, (32) 855.	(32) 90, 287, 490, 594, 689, 893; (33) 93, 192, 295, 395, 594, 788; (34) 91, 290, 392, 595, 690, 896;
sativus, analyses, (33) 466.	(35) 91, 192, 393, 590, 684; (36) 92, 193, 392, 689,
Croesus castaneae n.sp., description, (34) 456.	894; (37) 92, 191, 392, 697, 891; (38) 91, 294, 393,
Cronartium—	(40) 93, 293, 391, 490, 594, 792, 894,
asclepiadeum, hosts of, (31) 540.	reports in Nebraska, (37) 291.
n.comb., studies, (31) 445. notes, (39) 859.	residues, analyses and use, (34) 519. residues, fertilizing value, (32) 319.
on Norway pine. (38) 854.	rotation, see Rotation.
on Norway pine, (38) 854. coleosporioides, hosts, (39) 548. comandrae and Peridermium pyriforme, iden-	safety on mountain slopes, (29) 414. statistics, (30) 594.
	statistics—
comptoniae, notes, (30) 653; (37) 845; (38) 455.	in Denmark, (31) 390. Missouri, (36) 689. Philippines, (26) 318.
occidentale n.sp., description, (39) 859.	Philippines, (26) 318.
tity, (42) 539. comptoniae, notes, (30) 653; (37) 845; (38) 455. occidentale n.sp., description, (39) 859. pyriforme, investigations, (33) 448. pyriforme, pycnia of, (37) 558. quercus, notes, (31) 348, 445. quercus on jack pines, (33) 351. quercuum and Peridermium harknessii, association, (34) 849; (36) 454, 746. quercuum, relation to Peridermium cerebrum, (26) 57.	on registration projects, (37) 92.
quercus, notes, (31) 348, 445.	surveys, importance of, (31) 225. surveys, relation to soil surveys, (26) 434.
quercuum and Peridermium harknessii, asso-	systems, relation to temperature and rainfall,
ciation, (34) 849; (36) 454, 746.	(26) 415. yields—
(26) 57.	analysis, (38) 338.
ribicola—see also White pine blister rust.	and prices. (31) 295; (32) 191.
arthropod and gasteropod carriers, (39) 248. control in New York, (37) 846.	as affected by late spring, (37) 316. as affected by subsoiling, (30) 121.
diagnosis, (38) 356.	as guide to iertilizer use, (35) 215.
dissemination by gipsy moth larvae, (38) 860.	forecasting, (36) 209. in Illinois, (37) 214.
in New York, (36) 53.	in Selby smoke zone, (35) 213.
inoculations on Ribes, (38) 151.	in United States, (31) 895. increased, causes of, (30) 133.
mycelium of, (37) 757. notes, (26) 651; (27) 253; (29) 547, 649; (30) 745, 849; (31) 451; (35) 551; (38) 254, 355.	increasing for war needs, (39) 21.
745, 849; (31) 451; (35) 551; (38) 254, 355.	increasing in Gulf Coast region, (40) 133.
notes and treatment, (29) 249. overwintering, (31) 54: (37) 845, 846.	increasing in Kentucky and Tennessee, (40) 133.
overwintering, (31) 54; (37) 845, 846. parasite of, (34) 751.	 per acre, change from year to year, (40) 490.
production of internal telia, (36) 845. spore distribution of, (31) 647.	per acre in India, (40) 894. yields, relation to—
threatening Pacific States, (34) 354.	available plant food in soils, (29) 623.
treatment, (31) 50, 346; (32) 842. spp., inoculation experiments, (38) 253.	bacterial activities in soils, (31) 121. cropping system, (35) 29.
spp., notes, (30) 148; (33) 351. spp., pycnial stages, (38) 253.	physical properties of soils, (33) 815. rainfall, (34) 319.
spp., pycnial stages, (38) 253. spp., spore germination, (38) 225.	rainfall, (34) 319. weather, (34) 415.
Crop—	yields, tests, experimental error, (39) 829.
adaptation in relation to climate, (40) 18.	zones of New Mexico, (29) 755.
census in Nebraska, (40) 194. centers of United States, (39) 734.	Cropping— continuous, effect on soils, (28) 120.
damages in 1909 and 1910, (26) 190.	effect on soil moisture, (29) 211, 425. system, continuous, (40) 589, 590.
diseases, notes, (28) 645. distribution, relation to seasonal rainfall, (39)	system, continuous, (40) 589, 590.
511.	adaptation to soils in New Jersey, (40) 19.
estimates, value and accuracy, (40) 592.	and climate, correlation, (34) 603.
forecasts in India, (36) 689. growth as affected by fertilizers, (34) 517.	elimatic control, (38) 414. effect on soil moisture, (40) 429.
growth, relation to weather, (28) 115. improvement in India, (40) 825.	effect on soil nitrate. (40) 419.
mortgage system in Texas. (30) 591.	for Arkansas, (40) 133. for Middle Atlantic coastal plain, (38) 816.
pest law of West Virginia, (28) 842. plants, nitrogen relations, (40) 821.	for Washington, Oregon, and Idaho, (38)
plants, nitrogen relations, (40) 821. plants, past and present climates, (40) 616.	824. relation to meteorology, (28) 198.

Crops—see also Field crops, Forage crops, and spe-	Crops—Continued.
cific crops.	toxic effect of copper on, (37) 527; (38) 28.
absorption of plant food by, (31) 617. and fertilizers, treatise, (27) 218.	treatise, (28) 632. utilization of phosphates by, (31) 823.
and soils, textbook, (30) 695.	vegetatively propagated, selection in, (26) 434.
animals affecting, (30) 649.	water requirements, (28) 321, 537; (30) 34; (32)
as affected by—	127; (34) 306; (35) 633.
climate and soils, (33) 825. lead nitrate, (26) 225.	yield as affected by irrigation, (28) 132. Cross—
other crops, (31) 627.	arms, tests, (27) 443.
radioactive earth, (33) 123.	breeding, variations under, (34) 864
choice of, (34) 694.	pollination, effect on plants, (29) 339.
composition as affected by irrigation, (28) 130, 332.	vine, notes, (27) 346. Crossing-over, mechanism of, (35) 866.
cost of production, (26) 398; (32) 688, 791; (37)	Crossties—
190, 595, 790.	identification of wood, (38) 645.
cost of production—	industry in Canada, (37) 245; (38) 147.
determination, (38) 89. in California, (37) 890.	industry in 1915, (37) 838. industry in United States, (30) 815.
critical period of growing season, (39) 810.	preservation, (30) 845; (33) 544; (37) 748 service tests, (36) 46.
culture—	service tests, (36) 46.
at high altitude, (37) 437.	woods suitable for, (36) 46. Crotalaria—
experiments, (28) 147. in Brazil, (29) 428.	as green manure, (37) 320.
in California, (37) 890.	burkeana, notes (26) 882.
in Germany, (30) 525.	candicans, culture experiments, (37) 131.
drought-resistant and water tolerant, (40) 891.	Colletotrichum sp. on, (39) 453. diversistipula, analyses and digestibility, (27)
dry-land, water economy, (27) 531. effect on—	871; (32) 167.
drainage water, (26) 619.	grandibracteata, insects affecting, (28) 555.
each other, (40) 135, 623.	juncea— as green manure, (30) 339; (31) 230, 722; (36)
nitrification in soils, (35) 321.	232.
nitrogen content of soils, (38) 213. soil bacteria, (37) 421.	 culture and improvement, (28) 633.
emergency, for overflow lands, (27) 337.	nodule formation, (38) 528.
feeding of, treatise, (34) 326.	notes, (27) 36. seed position in planting, (40) 635.
fertilizer ingredients removed by, (26) 422. fertilizer requirements, (28) 722; (31) 217, 820;	retusa
(32) 620.	analyses, (26) 126. culture, (34) 736.
fertilizing with carbon dioxid, (28) 728.	culture, (34) 736.
field experiments, standardization, (39) 829; (40) 823.	culture experiments, (27) 233. saltiana—
food requirements of, (31) 215.	fertilizing value, (32) 722.
food value per acre, (38) 292.	notes, (40) 44.
for Arizona, (37) 209.	seeds, germination experiments, (31) 230. spp. as green manure, (36) 324.
for dairymen, (33) 97. for sandy, alkali, and hill lands, (40) 891.	spp., culture experiments, (35) 528.
foreign, statistics, (26) 190, 491. graphic summary of seasonal work, (39) 495.	spp., culture experiments, (35) 528. spp., fortilizing value, (34) 34.
graphic summary of seasonal work, (39) 495.	striata, analyses, (29) 215. striata as green manure, (38) 220.
growing under glass, (26) 391. growing without potash, (35) 325; (37) 218.	usaramoensis as green manure, (38) 637.
growing without potash, (35) 325; (37) 218. growth as affected by alkali, (36) 118.	vitellina, analyses, (31) 863.
hand chart of, (33) 429.	Crotin— and its antitoxins, (32) 78.
hand chart of, (33) 429, handbook, (30) 133. harvested, analyses, (29) 119.	occurrence in locust seeds, (30) 204.
	Croton bug—
hogging off in the corn bott, (32) 192. identification of varieties, (26) 431. improvement, (28) 827; (34) 735. insects affecting, (27) 453, 552. insurance against fire, (37) 888. insurance against fire, (37) 888. insurance against hall in France, (20) 388. insurance against hall in France, (20) 388. insurance against hall in France, (20) 388.	as factor in bacterial dissomination, (30) 250.
improvement (28) 627: (34) 735	destruction, (38) 558. Croton gratissimus, analyses and digestibility, (27)
insects affecting, (27) 453, 552.	871; (32) 167.
insurance against fire, (37) 888.	a-Crotonic acid, studies, (36) 12.
insurance against hall in France, (20) 388.	Crotons, food plant of purple scale, (26) 756.
	Croupous enteritis in cattle, notes, (28) 886. "Crowa" fiber, tests, (31) 526.
irrigated, costs and seasonal distribution of labor, (40) 388.	Crowdy for cows, (29) 172.
laboratory manual, (36) 692. laboratory material, (30) 394.	Crowfoot, habits and eradication, (37) 542. Crown gall—
large v. small, in relation to prosperity, (31) 191.	as affected by X-rays. (39) 453.
loss in weight after harvesting, (38) 635.	as affected by X-rays, (39) 453. chemically induced, (38) 648.
marketing, (28) 891; (36) 91.	inoculation experiments, (28) 447.
mutual influence in relation to nitrogen, (32) 515.	nature and cause, (28) 446. notes, (31) 449, 746; (40) 844.
new, for Rhodesia, (40) 333, 825.	of fruit trees, notes, (29) 348.
of India and the East, diseases, (40) 47.	relation to cancer, (35) 545, 650; (37) 245.
of southern France, Algeria, Tunis, and Morocco, (39) 437.	resemblance to human cancer, (26) 646, structure and development, (27) 649.
ou producing, fertilizer experiments, (26) 129.	studies, (29) 45; (35) 244, 645; (36) 541, 747; (38)
plant food combinations for, (26) 622.	structure and development, (27) 649. studies, (29) 45; (35) 244, 645; (36) 541, 747; (38) 752, 852.
plant food combinations for, (26) 622. plant food removed by, (40) 429. prices in Ireland, (31) 96; (32) 594.	Crown rot, studies, (28) 347. Crows—
relation to—	damage by, in Denmark, (26) 452.
rainfall, (33) 715.	economic status, (38) 856.
temperature, (39) 615. relative unilateral impoverishment of soil by,	notes, (30) 851.
(39) 724.	relation to anthrax, (30) 780. relation to hog cholera, (30) 285.
school lesson on, (32) 597.	roosts, winter, (35) 156. subspecies in Colorado, (40) 853.
sulphur requirements, (26) 726.	subspecies in Colorado, (40) 853.
textbook, (28) 298.	Crucianella maritima, analyses, (33) 466.

Crucifer—	Crytoblabes gnidiella, notes, (32) 151.
bacterial wilt, notes, (37) 150.	Ctenocephalus—
color torioity (26) 567	
cakes, toxicity, (26) 567.	canis—
club root and gall weevil injury, (33) 648.	bionomics of, (31) 353.
club root, notes, (27) 349; (36) 349.	distribution on rats, (29) 755.
diseases, treatment, (33) 848.	relation to leishmaniasis, (36) 654.
Phoma disease, notes, (37) 248. rots, notes, (40) 844.	felis—
rots, notes, (40) 844.	as host of Indian kala-azar parastite, (32)
Cruciferae, tokra disease, (39) 146.	61.
Crucifers—	notes, (35) 260.
culture, (32) 337; (33) 238.	spp., notes, (26) 781.
disease resistance in, (33) 52.	Ctenophora angustipennis, notes, (32) 651.
finger-and-toe disease of, (31) 148.	Ctenopsyllus musculi, distribution on rats, (29) 755.
root louse injury, (40) 60.	Ctenucha—
susceptibility to cabbage club root, (28) 547.	brunnea, notes, (35) 465.
wild and cultivated, hybridization, (36) 130.	virginica, notes, (29) 251.
Crude fiber, see Cellulose.	Cuban Experiment Station, notes, (38) 500.
Crumenula—	Cucasa—
abietina n.sp., notes, (30) 453.	fungicidal value, (26) 345.
pinicola, notes, (28) 750.	tests, (28) 48.
Crustacea, injurious to coconuts, (27) 857.	Cuckoo, new, from New Zealand, (40) 55.
Crying, effect on respiratory exchange in infants,	Cucujus sp., notes, (26) 453.
(26) 766.	
Cryoscope, description, (33) 414.	Cucumber—
Cryphalinae, classification (32) 758.	angular leaf spot, studies, (34) 442; (36) 249; (39)
Cryphalus n.spp., descriptions, (30) 757.	853; (40) 250, 449.
Cryphalus n.spp., descriptions, (30) 757. Cryphiphorus ligustici, studies, (33) 657. Cryptarthrum walkeri, notes, (27) 458. Cryptarthrum walkeri, notes, (27) 458.	anthracnose, dissemination, (37) 840.
Cryptorthrum walkeri notes (27) 458	anthracnose, studies, (35) 652; (39) 853; (10) 250.
('ryptaspidus n.g. and n.snn. descriptions (97) 258	bacterial rot, notes, (31) 747. bacterial rot, studies, (30) 149, 648.
Cryptoblabes aliena, notes, (27) 657.	bacterial rot, studies, (30) 149, 648.
Cryptocephalinae, catalogue, (30) 458. Cryptocephalus incertus, studies, (36) 54. Cryptochaetum monophlebi, studies, (36) 757.	bacteriosis, studies, (35) 454, 546.
Cryptocephalmae, catalogue, (30) 400.	beetle
Cryptocephanus interius, studies, (00) 34.	belted, hibernation, (39) 868.
Cryptochaetum monopmeni, studies, (30) 131.	belted, remedies, (32) 557.
Cryptococcus—	belted, hibernation, (39) 868. belted, remedies, (32) 557. injurious to potatoes, (37) 157.
anseris, description, (29) 83. fagi in Nova Scotia, (30) 358.	notes, (29) 652; (34) 656.
iagi in Nova Scotia, (30) 358.	relation to dicimpher wilt (35) 516
farciminosus—	spotted remedies (38) 864
infection, association of bacteria in, (40)	strined control (37) 254- (39) 384
680.	spotted, remedies, (38) 864. striped, control, (37) 254; (39) 264. striped, notes, (37) 261, 659; (39) 760. twelve-spotted, notes, (38) 57, 859. western 18-acotted spate, (34) 887
notes, (34) 480, 585.	twolve-metted notes (26) 57 950
studies, (39) 291, 789.	western 12-spotted, notes, (34) 857.
glutinis, isolation from cheese, (26) 479.	
of Rivolta, notes, (28) 379.	00030113, DCC116 Q11, (40) 000.
Cryptodiaspis n.g. and n.spp., descriptions, (27)	caller not motor (20) 440
358.	Contact 100, 1100es, (20) 440.
Cryptogamic—	blossoms, beetle on, (40) 853. canker, notes, (27) 353; (29) 347; (30) 148, 845. collar rot, notes, (26) 446. Corynespora leaf disease, notes, (30) 149, 450.
flora of moor lands, (28) 727.	disease, hew, description, (25) 242.
laboratory of Pavia, publications of, (31) 746.	disease, studies, (31) 52.
Cryptognatha flavescens, studies, (28) 754.	diseases—
Cryptogomus orbiculus, notes, (26) 149.	in Orraday (20) 641, (25) 750
Cryptolaemus montrouzieri, notes, (28) 159; (29)	III 5 Weden, (32) 041; (33) 730.
652.	in Michigan, (38) 545. in Sweden, (32) 641; (35) 750. notes, (30) 647; (35) 246; (37) 653. studies, (35) 544; (36) 248.
Cryptomeigenia—	Studies, (30) 344; (30) 248.
aurifacies n.sp., description, (28) 657.	Greatment, (26) 142; (39) 52.
aurifacies, notes, (29) 52.	downy mildew—
sp., notes, (29) 652.	notes, (32) 342; (33) 146, 245.
sp., notes, (29) 652. Cryptomeria japonica—	studies, (38) 249.
fertilizer experiments, (38) 624.	first generation crosses, (38) 241.
fertilizer experiments, (38) 624. leaves, essential oil of, (34) 802.	flea-beetle, see Epitrix cucumeris.
red plague of, (35) 354.	fly, notes, (36) 654.
Cryptorhynchus—	leaf blotch, notes, (26) 446.
batatae, see Euscèpes batatae.	leaf rust, treatment, (35) 546.
lapathi-	leaf scorch, notes, (37) 248.
notes, (26) 753; (28) 156; (36) 456; (38) 155,	leaf spot—
358.	description and treatment, (29) 48.
remedies, (34) 656. studies, (31) 159; (37) 464. mangiferae, notes, (27) 255; (32) 352.	dispersal and treatment, (26) 447
studies. (31) 159: (37) 464.	leaf spots—
mangiferae notes (27) 255: (32) 352	notes, (37) 840; (39) 52.
n.sp. on cassava, (34) 65.	studies, (39) 355, \$53.
sp. affecting sugar cane, (34) 556.	mildew, notes, (37) 453.
Cryptosiphum tahoense n.sp., description, (26)	mosaic-
859.	notes, (36) 47; (37) 752.
Cryptosporella viticola, studies, (29) 450; (32) 52,	studies, (36) 349, 350; (39) 853. transmission, (36) 543. pickles, curing, (33) 17.
751.	transmission, (36) 543.
	pickles, curing, (33) 17.
Cryptostemma calendulacea, description, (35) 642; (36) 639.	root knot, notes, (36) 349.
Carrotetheira	rust, notes, (35) 844.
Cryptothrips—	scab, studies, (38) 449.
brevicellis n.sp., description, (35) 255.	sclerotinia diseases, (40) 49.
citri n.sp., description, (40) 353.	and commination tests (90) 44
floridensis n. sp., notes, (29) 354. floridensis, notes, (30) 357; (31) 752, 849; (35) 852.	seed, germination tests, (20) 41. skins, analyses, (38) 626. "white pickle," investigations, (36) 47, 344. wild, seeds of, (38) 410. wild, notes, (29) 245.
Countries on managine on Contraction and Contraction on Contractio	"white pickle," investigations, (36) 47, 344.
Cryptus sp., parasitic on grapevine sphinx, (28) 250.	wild, seeds of, (38) 410.
Crystal Lake region, Michigan, ecology, (40) 226.	wilt, notes, (29) 245.
Crystal violet, antiseptic value, (40) 285.	wilt, notes and treatment, (28) 746.
Crystallization—	worm, studies, (34) 855.
colloidal bags or containers in, (37) 409.	Cucumbers—
notes, (36) 804.	
Crystalloids—	calcium content, (39) 747.
effect on starch granules, (30) 111.	carbon dioxid for, (31) 532.
relation to soil fertility, (28) 814.	culture, (26) 539; (29) 145; (36) 640.

Cucumbers—Continued. culture— and preservation, (30) 640. experiments, (37) 742.	Cultivators— mechanical, tests, (31) 188, 487; (35) 87, 890; (36) 189. rotating, notes, (31) 188.
in greenhouse, (37) 41; (40) 147. fertilizer experiments, (36) 839; (37) 41, 742; (39) 745, 843.	tests, (29) 186. Culture— media—see also Nutrient media.
fungus disease affecting, (26) 244. Fusarium disease affecting, (26) 54. greenhouse, red spider on, (39) 65. growth in—	amino acid content, (40) 201. bacteriologic, (39) 9, 583, 668, 888. bouillon, new, (40) 180. bouillon, studies, (40) 310.
partially sterilized soils, (26) 815. sterilized soils, (31) 336. varying light and soil moisture conditions,	for counting colon-aerogenes organisms, (40) 381. counting soil bacteria, (32) 625.
(30) 142. insects affecting, (31) 248. lightning injury, (40) 645. liming experiments, (39) 745.	pathogenic anaerobes, (40) 677. soil organisms, (40) 739. streptococci, (40) 180, 881. vaccine organisms, (40) 677.
mulching v. clean culture, (33) 534. pickling (28) 616. preservation, (35) 367. seed treatment, (40) 450.	water examination, (38) 591. from blood, (37) 220. from sheep or ox serum, (36) 575. from whole blood, (36) 676.
spraying, (39) 345. water requirement, (32) 127. Cucumis— prophetarum, analyses and digestibility, (27)	hydrogen-ion concentration in, (34) 136. improvement, (38) 710. physiological balance in, (36) 328. pipette for tubing, (40) 12.
871; (32) 167. sativus, root system of, (28) 228. Cucurbit—	preparation, (40) 408. reactions, notes, (40) 805. relation to production of hemolysin, (26) 481.
anthracnose, studies, (35) 652; (40) 250. bacterial wilt, notes, (37) 150. bacterial wilt, studies, (34) 244; (35) 546. diseases, notes, (39) 353.	synthetic, studies, (36) 524. tests, (38) 634. methods for anaerobic organisms, (39) 887.
mosaic diseases, (39) "" wilt, studies, (27) 45. Cucurbita— maxima, root system of, (28) 228.	solutions, nerating, (36) 524. solutions, studies, (38) 730. studies, bacteriologic, methods, (39) 9, 828. volumeter, annerobic, (39) 713.
melanosperma, carotinoid content, (31) 803. Cucurbitacea acanthosicyos horrida, description, (29) 60. Cucurbitaria pithyophila, studies, (37) 353.	Cultures— bacterial, system of notes, (40) 881. dried, preparation, (31) 773. mass, on solid media, (40) 805.
Cucurbits— forcing with radium, (28) 825. parthenogenesis in, (38) 331. Culex—see also Mosquitoes.	Culvert— pipe, corrugated, tests, (35) 580. slabs, reinforced concrete, tests, (33) 487.
breeding in rice fields, (40) 857. brehmei n.sp., description, (36) 359. pipiens—	Culverts— concrete— plans, (38) 189. specifications, (32) 485, 686, 894.
as affected by Roentgen rays, (28) 57. as host of Crithidia fascieniata, (30) 757. control in England, (28) 860. destruction of larvae, (26) 559. migration, (37) 664.	v. cast-iron, for roads, (37) 885. construction, (26) 890; (27) 190, 292; (33) 291, 588, 688, 782. construction and maintenance, (26) 385.
notes, (28) 355. outbreak in Connecticut, (31) 455. relation to temperature, (33) 860.	corrugated metal, specifications, (27) 190. corrugated metal, tests, (37) 288. designing, (28) 684. for country roads, (28) 485.
quinquefasciatus (fatigans)— as dengue fever carrier, (39) 263. notes, (35) 258. range in United States, (30) 657.	inspection and maintenance, (36) 386. plans and specifications, (28) 289. standards for, (31) 890.
studies, (29) 252. spp., control, (27) 559. spp. in Bahamas, (34) 553. spp., notes, (28) 158, 254.	Cumbu, culture experiments, (31) 733; (38) 433. Cumulus—clouds, violent uprushes in, (29) 120. over a fire, (34) 413.
spp., transmission of pollomyelitis by, (28) 753. Culicelsa vigilax, notes, (35) 258. Culicidae— <i>see also</i> Mosquitoes. of Saskatchewan, (39) 661.	Cunlia mariana, ice fringes on, (32) 221. Cunninghamella bertholletiae n.sp., studies, (28) 646. Cuorin—
Culicoides— kiefferi n.sp., notes, (30) 551. sp., destructive to mosquitoes, (26) 559.	in horse kindeys, (30) 477. ox heart, fatty acids of, (31) 608. Cuprammonium washes, studies, (38) 255. Cuprossus—
Cultivation— animal v. motor power, (37) 591. effect on— composition of soils, (29) 416, 417.	lawsoniana, damaged by squirrels, (26) 552. macrocarpa, structure of wood, (28) 843. Cupri sulphas, nature and usc, (26) 580. Cuproform, use against grain smuts, (27) 445.
swamp soils, (30) 120. water economy of light sandy soil, (33) 287. factors in, (31) 215. handbook, (29) 329.	(34) 611. Curb, concrete caisson, for shallow wells, (29) 484; (32) 586.
mechanical— in Europe, (32) 485; (37) 490. in France, (31) 187; (38) 790. in Germany, treatise, (30) 191.	Curcin, toxicity, (31) 775. Curculionidae————————————————————————————————————
treatise, (30) 191. motor, handbook, (31) 488. ridge method, treatise, (28) 632.	new neotropical, (37) 765. of British India, (37) 765. of North America, (27) 259. Curd—see also Obesse making.
Cultivator— motor, description, (27) 293; (28) 84. springshovel, description, (27) 293	Ourd—see also Oneese making. Don, bacterial content, (26) 779. Lyife for cheese (31) 875

Curlew-	Currants-Continued.
bug, control, (40) 655. bug, investigations, (27) 162.	sprayed, arsenic on, (38) 55. spraying experiments, (27) 439.
subspecies, notes, (39) 654.	transplanting experiments, (35) 37.
Currant— anthracnose, investigations, (33) 347.	varieties, (28) 542; (32) 538; (37) 243.
anthracnose, notes and treatment, (28) 748.	varieties for New York, (26) 239.
aphis—	transplanting experiments, (35) 37. varieties, (28) 542; (32) 538; (37) 243. varieties, classification, (39) 541. varieties for New York, (26) 239. variety tests, (32) 141; (40) 340. viid. aphide. Grains (27) 759
alternate hosts, (39) 464. migratory habits, (37) 562.	wild, aphids affecting, (27) 758. Current meter—
northern, notes, (30) 53.	gaging stations, equipment for, (34) 84.
migratory habits, (37) 562. morthern, notes, (30) 53. notes, (27) 758; (37) 358. studies, (31) 157.	measurements, accuracy of, (30) 885. Current meters—
Dorer in Lasmania, (36) 201.	cup, tests, (31) 288. rating, (30) 386; (31) 587, 888.
borer, notes, (40) 753. cane necrosis, treatment, (28) 748.	rating, (30) 386; (31) 587, 888. use in irrigation canals, (34) 281.
clearwing moth, see Currant borer. dieback, notes, (37) 251, diseases, notes, (30) 147; (39) 652.	Curriculum, change of stress in, (36) 393.
dieback, notes, (37) 251,	Currying machines for horses and cattle, (27) 90. Cuscuta—see also Dodder.
diseases, studies, (32) 441.	americana, notes, (37) 452.
felt rust, notes and treatment, (29) 249. fly, yellow, life history and habits, (28) 255.	destruction, (31) 835.
fruit fly—	epilinum, vitality of seed, (27) 841. host relationships, (35) 460.
dark, in California, (37) 566.	seeds, determination, (33) 533.
life histroy and habits, (28) 255, notes, (35) 466; (40) 56, 169.	sp., notes, (28) 52; (37) 755. spp., destruction by chemicals, (27) 28.
notes, (35) 466; (40) 56, 169. remedies, (31) 757.	spp., germination, (27) 342; (34) 155.
studies, (38) 466. fruit weevil—	spp. investigations, (28) 545. trifolii, destruction by calcium cyanamid, (26)
attacking blueberries, (34) 852.	44.
notes, (31) 351. gooseberry hybrid, description, (31) 236.	Custard apples—
industry in Ontario, (31) 142.	as stock for cherimoya and atemoya, (32) 143. insects affecting. (27) 453.
juice, composition as affected by fertilizers, (29)	insects affecting, (27) 453. of the Aztecs, (26) 743.
juice, preparation, (33) 316.	propagation, (27) 587.
leaf—	Cuterebra— cuniculi, reproductive and host habits, (34) 358.
diseases, treatment, (34) 747. fall, notes, (30) 246.	fontinella, egg and ovipositor of, (35) 756.
spot, notes, (26) 446, 850; (40) 154.	n.spp., descriptions, (40) 458.
spot, notes, (26) 446, 850; (40) 154. spot, studies, (38) 546. maggot, notes, (29) 158. mildew, notes, (34) 648.	Cut-over land— clearing, (26) 787; (39) 687; (40) 788.
mildew, notes, (34) 648.	fertility indication, (39) 115.
01dium notes (30) 448	in Adirondacks, (40) 841. south Mississippi, (28) 215.
pollen, germination, (35) 731. pollen, viability, (32) 534. root rot, studies, (38) 650. rust, notes, (30) 448; (32) 241. rust, treatment, (31) 346. son as offsetad by Bordeaux mixture, (30) 647.	the South, (38) 391. the South, live stock on, (39) 268.
pollen, viability, (32) 534.	the South, live stock on, (39) 268. pasture and forage crops for, (39) 230.
rust, notes, (30) 448; (32) 241.	re-afforesting, (40) 248.
rust, treatment, (31) 346. sap as affected by Bordeaux mixture, (30) 647.	re-afforesting, (40) 248. utilization, (40) 91. Cutthroat grass in Florida, (40) 137.
seeds, oil and press cake from, (40) 803.	Cuttings—
Septoria leaf spot, investigations, (33) 347.	hardwood, propagation by, (40) 340.
twig borer or budworm, notes, (36) 754. wine, preparation, (27) 412.	stimulation of root growth, (39) 826.
wine, preparation, (27) 412. worm, imported, notes, (33) 659. worm, notes, (37) 599.	Cutworm— army—
Currants—	control, (33) 654.
acidity, (32) 110; (37) 714.	in southern Alberta, (36) 456.
Alpine, as a hedge plant, (37) 241. black—	life history, (35) 854. notes, (35) 758, 853; (37) 255.
abnormal blossoms, (38) 552.	baits, tests, (34) 358; (39) 361. black—
nematodes affecting, (37) 843, pine rust of, (29) 547.	biology, (40) 167.
pine rust of, (29) 547. reversion, (38) 650; (39) 646. breeding experiments, (32) 535; (33) 637; (39)	biology, (40) 167. notes, (27) 53, 659; (28) 455; (34) 250. remedies, (36) 254.
breeding experiments, (32) 535; (33) 637; (39) 346.	
culture, (31) 142, 441; (34) 42.	notes, tap to, (u2) 651. variegated, notes, (32) 651. variegated, notes, (28) 452; (27) 659; (29) 252; (32) 651; (33) 252, 352; (35) 253. variegated, remedies, (36) 56. variegated, trap for, (31) 851.
culture— and marketing, (38) 844.	(32) 651: (33) 252. 352: (35) 253.
experiments, (28) 436; (32) 540.	variegated, remedies, (36) 56.
in California, (38) 346.	
in western Washington, (38) 298. destruction by Cronartium ribicola, (29) 649.	Cutworms— control, (27) 136; (32) 246; (39) 158.
dried, analyses, (30) 861.	control in greenhouses, (38) 762.
drying, (37) 114, 509. fertilizer experiments, (36) 121; (38) 540.	fungus parasite of, (36) 757. in Hawaii, (34) 59.
for home and commercial planting, (33) 537.	in Louisiana, (40) 58.
insects affecting, (28) 352; (38) 843. Lübeck, partial sterility in, (31) 225.	injurious to— alfalfa, (29) 158; (36) 53.
new, descriptions, (29) 838; (31) 337.	grain in western Canada, (31) 352.
of Germany, (33) 838. overwintering of pine rust on, (31) 54.	potatoes, (37) 157. strawberries, (32) 556.
preservation by freezing, (39) 344.	tohogo (90) 555. (90) 758. (24) 452
red, as affected by tarring roads, (26) 432. red, gooseberry mildew affecting, (26) 344.	notes. (27) 659, 755; (28) 351, 653, 654, 752, 854;
red, history and development, (37) 833.	(29) 252, 652, 653, 759; (30) 140, 454, 753; (31)
relation to white pine blister rust, (30) 152. resistance to pine blister rust, (38) 151.	life history and remedies, (38) 54. notes, (27) 659, 755; (28) 351, 653, 654, 752, 854; (29) 252, 652, 653, 759; (30) 140, 454, 753; (31) 155, 843; (32) 349, 448, 753; (33) 652, 746; (34) 251, 360; (35) 360, 465; (37) 195.
spray schedules, (39) 39.	studies, (26) 453.

Cyamopsis—	Cydonia
psoralioides, analyses, (38) 572.	japonica, inoculation experiments with brown
psoralioides, notes, (26) 362.	rot fungus. (33) 247.
tetragonoloba, culture in New South Wales,	rot fungus, (33) 247. lusitanica, Monilia affecting, (28) 241.
(26) 835.	veitchii, description, (35) 743.
Cyanamid—	Cylas—
action as affected by iron oxid. (28) 33.	formicarius—see also Sweet potato weevil.
ammonification of, (33) 219.	notes, (28) 158; (34) 65; (37) 256; (38) 467, 564, 864; (40) 259, 260.
as source of nitrogen, (38) 220. decomposition in soil, (40) 724.	564, 864; (40) 259, 260.
decomposition in soil, (40) 724.	preventing introduction, (39) 159.
decomposition, seasonal variation, (32) 514.	studies, (40) 357.
determination, (33) 110. determination in fertilizers, (26) 804.	spp. attacking sweet potatoes, (38) 864.
determination in fertilizers, (26) 804.	Cylichnostomum—
fertilizing value, (27) 724.	mettami n.sp., notes, (29) 889.
for corn. (31) 831.	n.spp., descriptions, (37) 280; (39) 686
handbook, (29) 518.	notes, (40) 586.
in iertilizer mixtures. (33) 624.	spp., anatomy and biology, (28) 887.
industry (31) 323: (36) 124	Cylicostomiasis in equines, (36) 779.
injurious to fish, (29) 821.	Cylindrocladium—
manufacture, (27) 623; (30) 721. manufacture and use, (27) 520; (29) 24.	parvum n.sp., description, (39) 858.
manufacture and use, (27) 520; (29) 24.	scoparium, control, (40) 751.
nitrogen, fertilizing value, (39) 726.	scoparium, studies, (38) 854; (39) 858.
paper on, (29) 517.	Cylindrosporium—
preparation, (38) 711.	dioscoreae n.sp., description, (28) 446.
process, development and status, (33) 424.	juglandis, n.sp., description, (32) 150. mori, studies, (36) 751.
studies, (29) 127.	mori, studies, (36) 751.
use on moor soils, (39) 438.	on Prunus avium, periect stage, (29) 349.
works at Niagara Falls, (32) 622.	on stone fruits, studies, (31) 544.
Cyanid—	padi, description and treatment, (30) 819.
as affected by salt, (26) 206.	padi, notes, (38) 546.
detection in water, (34) 410.	pollacci n.sp., description, (35) 354. pomi as affected by cold, (34) 538.
effect on—	pomi as affected by cold, (34) 538.
locust borer and locust tree, (34) 757.	pomi, notes, (27) 652; (29) 547; (32) 749. sp., notes, (27) 649.
oxidation in arsenical dips, (38) 585.	sp., notes, (27) 049.
plants, (32) 846.	spp., notes, (27) 341.
scale-insect eggs, (32) 245.	spp., studies, (30) 750.
fumigation—	vaccarianum n.sp., notes, (37) 630. yuccae n.sp., description, (37) 550.
effect on bud formation, (34) 143.	Cribadestama anlandana life history (40) 166
of ships, (33) 556.	Cylindrotoma splendens, life history, (40) 169 Cyllene—
gas as cause of fruit pitting, (37) 634. gas, use against insects, (36) 456.	
gas, use against insects, (36) 456.	pieta, see Hickory borer.
Cyanin, studies, (34) 709.	robiniae, notes, (26) 856; (28) 156; (33) 253; (37)
Cyanogen-	566; (38) 459. robiniae, remedies, (34) 757.
determination, (28) 310.	robiniae, studies, (35) 355, 552.
formation in plants, (28) 527.	Cyllophorus rubrosignatus n.sp., description, (33)
in grasses, (33) 665.	159.
Cyanogenesis—	Cymatodera aethiops, notes, (38) 61.
review of investigations, (29) 713.	Cymatophora sulphurea—
under digestive conditions, (30) 682.	parasites of, (31) 752.
	studies, (36) 54.
Cyanophyceae—	Cymbopogon—
as affected by copper sulphate, (39) 27.	citratus, culture, (36) 538.
etudiae (27) 780	martini, economic uses, (35) 807.
distribution in soils, (34) 513. studies, (27) 780. Cyanopterus (Iphiaulax) clypeolus n.g. and n.sp., description, (26) 352.	Cymodusopsis aristoteliae n.sp., description, (30)
description (26) 352	60.
Cyanuric acid—	Cynipidae—
assimilation by plants, (27) 32.	gall-making, of California, (27) 264.
assimilation by plants, (27) 32. distribution in soils, (38) 202.	gall-making, of North America, (33) 857.
identity with "tetracarbonimid," (38) 202.	of North America, (26) 759.
isolation from soils, (37) 612.	Cynipoldea, type species, (38) 63; (40) 862.
Cyathen medullaris, slime disease of, (27) 51.	Cynips calicis, notes, (38) 654.
Cyathula hereroensis, analyses and digestibility,	Cynodon—
(27) 871; (32) 167.	dactylon—
Cybocephalus nigritulus, notes, (28) 754.	analyses, (31) 863.
Cyclamen mite, see Tursonemus pallidus.	analyses and digestibility, (27) 871; (32) 167
Cyclocephala villosa—	as lawn grass, (32) 828.
life history, (38) 863. notes, (29) 252.	for shifting soils, (37) 333; (39) 441.
notes, (29) 252.	notes, (26) 361; (28) 534.
Cycloconium oleaginum—	plecto stachyum—
biology of, (30) 246.	analyses, (36) 334.
description, (27) 850.	studies, (38) 66. undescribed species, (39) 231.
Cyclohexane—	Cynomolgus philippinensis, notes, (28) 180.
effect on soil microorganisms, (31) 27. sterilization of soils by, (32) 816.	Cynomyia cadaverina, hibernation, (38) 262.
Ovelene increases mutual in Illinois (26) 701	Cynomys—
Cyclone insurance, mutual, in Illinois, (36) 791.	
Cycloneda (Neda) sanguinea, notes, (33) 860. Cyclones—	ludovicianus, control, (34) 57. spp., in Colorado, (28) 652.
in perspective, (36) 419.	spp., in Colorado, (25) 552. spp., systematic account, (35) 551.
in United States, (33) 807.	Cyperus—
mechanism of, (35) 619.	l olomonymoides as weeless either even (20) 921
nature. (32) 810.	edulis, notes, (29) 362.
nature, (32) 810. relation to sunspots, (27) 718; (40) 416.	esculentus as duck food. (30) 545.
Cyclonic precipitation, distribution, (35) 419.	esculentus, description, (29) 59.
Cyclotella as affected by copper sulphate, (39) 27.	rotundus, eradication. (40) 823.
Cycnoches, flowers of, (35) 431.	spp., host of corn billbug. (26) 862.
Cydia—	edulis, notes, (29) 362. edulis, notes, (29) 362. esculentus as duck food, (30) 545. esculentus, description, (29) 59. rotundus, eradication, (40) 823. spp., host of corn billbug, (26) 862. spp., host of curlew bug, (27) 162. usitatus, analyses and digestibility, (27) 871 (32) 167. (32) 167. (32) 167.
(Grapholita) funebrana, bionomics and reme-	usitatus, analyses and digestibility. (27) 871
dies, (33) 155.	(32) 167.
pomonella, see Codling moth.	Cyphella heyeac, notes, (38) 52, 759,

Cypress—	Cytospora—Continued.
Alaska, biennial fructification, (29) 543.	spp. on plums, (34) 648.
of Rocky Mountain region, (33) 343.	stictostoma and Phoma asparagi, relation, (3
pecky condition of, (31) 349.	752.
southern, (34) 46.	Cytosporina septospora n.sp., description, (26) 88
treatise, (33) 49.	Cyttaria darwinii, notes, (27) 51.
twig tuberculosis, notes, (29) 651. young, water requirements and growth, (35)	Dacrusa n.spp., descriptions, (29) 359.
747.	Dactylestenium comptienum.
Cyrtidae of North America, (40) 757.	Dactyloctenium aegyptiacum— analysis, (36) 334.
Cyrtogaster—	analyses and digestibility, (32) 167.
glasgowi n.sp., description, (32) 557.	notes, (26) 361.
javensis n.sp., description, (37) 667.	studies, (38) 66.
Cyrtolobus sp., notes, (26) 148.	Dactylomyces son in Norway (31) 397
Cyrtoneura stabulans, notes, (35) 659.	Dactylomyces spp., in Norway, (31) 327. Dactylopiinae of Hawaii, (36) 551.
Cyrtoneura stabulans, notes, (35) 659. Cyrtospermums, culture and analyses, (32) 37.	Dactylopius—
Cyrtotrachelus longipes, life history, (31) 61.	calceolariae—see also Mealy bugs.
Cysticerci in American sheep, reindeer, and cattle,	fungus disease affecting, (26) 553.
(27) 182.	confusus, notes, (28) 451.
Cysticercus—	perniciosus—
bovis, destruction by freezing, (32) 880. cellulosae, hosts of, (29) 586.	injurious to cotton, (27) 454.
cellulosae, hosts of, (29) 586.	notes, (30) 549.
n.sp., affecting sheep, (28) 681.	spp. on sugar cane, (40) 57.
n.sp., affecting sheep, (28) 681. ovis, investigations, (29) 886.	vitis, notes, (26) 655; (36) 755.
pisiformis in kittens, (37) 693.	Dacus
spp., notes, (28) 681.	cucurbitae—
Cystin—	life history, (32) 452.
addition to low-protein diet, (38) 570. and tyrosin, separation, (31) 807.	life history, (32) 452. studies, (33) 562; (37) 566. ferrugineous, notes, (27) 359; (29) 453.
and tyrosin, separation, (31) 807.	ferrugineous, notes, (27) 359; (29) 453
determination in proteins, (26) 22.	oleae-
effect on growth, (35) 269. nutritive value, (38) 569.	danger of introduction, (39) 467.
nutritive value, (38) 509.	notes, (27) 357, 857; (32) 56.
Cystitis, hemorrhagic in cattle, (26) 881.	notes, (27) 357, 857; (32) 56. remedies, (35) 57.
Cystoadenoma in a fowl, (36) 676.	spp. as affected by oil of citronella, (28) 455.
Cystopsora oleae, life history, (28) 153.	spp. in Africa, (31) 456.
Cystopus—	spp. as anected by ou or differentia, (28) 455. spp. in Africa, (31) 456. spp. in India, Burma, and Ceylon, (37) 160. spp., notes, (30) 552; (35) 259. spp., remedies, (31) 757. tryoni, control, (40) 356.
candidus—	spp., notes, (30) 552; (35) 259,
notes, (29) 245; (34) 750.	spp., remedies, (31) 757.
on white mustard, (32) 544.	tryoni, control, (40) 356.
spore germination and infection in, (26)	tryoni, notes, (27) 857.
342. ipomoeae panduranae—	vertebratus, notes, (36) 654.
notes, (31) 447.	Daedalea unicolor—
studies, (34) 156.	fruit bodies of, vitality, (30) 350.
on cruciferous plants, (26) 342.	fruit bodies of, vitality, (30) 350. in northern France, (31) 547.
sp. on sweet potatoes, (37) 452.	injurious to maples, (26) 752.
spp., cospore parasite of, (31) 641.	Daffodil—
Cystospora batata—	bulb mite, notes, (27) 457.
n.g. and n.sp., description, (36) 544.	bulbs, food poisoning caused by, (35) 556.
studies, (39) 456.	fly, life history, (32) 350.
Cyta brevipalpa, notes, (27) 861.	Daffodils—
Cytase, excretion by Penicillium pinothilum, (28)	certificated by Royal Horticultural Societ
803.	(31) 340.
Cytisus—	classification, (31) 837. improvement, (37) 836.
adami, description, (27) 31.	improvement, (37) 836.
adami, graft hybrids of, (33) 429.	manual, (32) 143. treatise, (34) 741.
adami, oxidases, (27) 733.	treatise, (34) 741.
notes, (40) 844.	Dahi, analyses, (27) 268.
proliferus, culture in Hawaii, (32) 730	Dahlia—
scorparius, notes, (29) 441.	Botrytis disease, notes, (30) 151.
spp., anatomical structure of wood, (26) 827.	diseases, notes, (31) 343.
Cytodiplospora castaneae, notes, (36) 752.	inulin coagulating substance in, (36) 127.
Cytodites nudus in fowls in South Africa, (35) 678.	phyllody of corolla in, (34) 143.
Cytology—	storage rot, notes, (30) 349.
index catalogue, (32) 166.	tubers, transformation of reserve substance i
methods and value, (38) 328.	(27) 525.
progress in, (26) 876.	variabilis, betains in, (27) 203.
relation to study of genetics, (26) 672.	Verticillium wilt, studies, (33) 244.
treatise, (26) 876.	Dahlias—
Cytoplasm—	and their culture, (35) 41; (40) 541. bud variation, (40) 447.
fixation, (38) 329.	
rôle in heredity, (29) 66.	cut, preservation, (31) 837. notes, (29) 341.
aphtharum, studies, (27) 379; (28) 376.	stunted growth of (28) 345
cocci, detection, (26) 682.	stunted growth of, (28) 345. treatise, (29) 441; (36) 743. varieties, (31) 340; (33) 540.
cocci, relation to foot-and-mouth disease, (31)	varieties. (31) 340: (33) 540.
282.	Daikons, culture, (34) 41.
Cytospora—	Daincha as green manure, (37) 824; (38) 220, 336.
chrysosperma, studies, (39) 357.	Daiprepes abbreviatus, remedies, (26) 552.
leucostoma—	Dairies—
affecting cherries, (30) 353,	cooperative
affecting cherries, (30) 353. notes, (31) 539.	in Denmark, (27) 590. in Netherlands, (28) 669. in United Kingdom, (27) 794.
stridies (37) 554: (39) 149.	in Netherlands, (28) 669.
on sugar cane, (40) 844.	in United Kingdom, (27) 794.
on sugar cane, (40) 844. sacchari, notes, (35) 749; (37) 553; (40) 157.	disinfection, (26) 478. farm, plans, (38) 292.
sacchari, studies, (38) 851.	farm, plans, (38) 292.
sp., notes, (28) 750.	hot water for, (28) 892.
spp., inoculation experiments, (27) 651.	letting, in England, (27) 676.
5283126†13	

Dairies—Continued.	Dairy-Continued.
steam and electricity in, (27) 690.	farming—continued.
steam pipes in, (29) 893.	relation to tenancy, (26) 687. textbook, (37) 94, 172.
Dairy— apparatus—see also Cream separators, Cream-	treatise, (26) 78, 574.
ery equipment, Churns, etc. notes, (27) 792; (34) 571. tests, (27) 676; (28) 372; (36) 571. arithmetic, courses in, (35) 195.	farms—
notes, (27) 792; (31) 571.	bookkeeping for, (26) 774.
arithmetic courses in (35) 195.	capital, income, and expenses, (28) 894. cropping systems for, (36) 498.
association, cooperative, in Missouri, (27) 591.	feed unit system for, (27) 374.
bacteriological laboratory at Dorpat, report,	ice for, (32) 591.
(28) 178. bacteriology—	farms, inspection— in Idaho, (30) 178.
at Berne Congress, (34) 76.	in Virginia, (30) 74, 377.
handbook, (27) 74. investigations, (27) 376.	score-card system for, (33) 576.
investigations, (27) 576.	farms— management, (30) 391.
outline, (38) 781. treatise, (30) 378, 677; (32) 577.	management in the Tyrol, (27) 377.
parn—see also Cow parn.	sanitary control, (36) 774.
at Kentucky Station, (31) 893. at McNeill substation, (28) 274.	share-rented, in Wisconsin and Illinois, (38)
at University of Missouri, (27) 792.	877. Water supplies for, (29) 722.
description, (32) 589; (35) 499.	water supplies for, (29) 722. glassware, inspection, (39) 782.
barns—	glassware, testing, (27) 473. herd improvement, (29) 775; (30) 678. herd records, (26) 79; (27) 73, 283, 375, 676, 776,
as factor in sanitary milk production, (37) 684.	herd records (26) 79: (27) 73, (30) 678.
construction, (34) 789; (35) 495; (36) 91, 190; (37) 696, 872.	877; (28) 74, 175, 176, 371, 472, 673, 775, 796; (29) 70, 272, 278, 375, 475, 577, 876; (30) 177, 271, 375, 375, 475, 577, 876; (30) 177, 271, 375, 375, 375, 375, 375, 375, 375, 375
190; (37) 696, 872.	70, 272, 278, 375, 475, 577, 876; (30) 177, 271, 375,
evolution in, (28) 371. for prairie farms, (35) 689.	377, 572; (31) 174; (32) 267, 470, 573, 774; (33) 96, 275, 765; (34) 181, 182, 289, 472, 774; (36) 673, 872, 873; (37) 574, 684; (38) 74, 176; (39) 483, 782; (40) 375.
plans, (28) 371; (32) 470; (34) 487.	673, 872, 873; (37) 574, 684; (38) 74, 176; (39)
plans and specifications, (33) 783.	483, 782; (40) 375.
remodeling, (28) 787.	nerd records—
sanitary, lecture on, (26) 188. sanitary mangers for, (33) 489.	analyses, (40) 872. illustrated lecture on, (38) 95.
ventilation, (29) 474.	in New South Wales, (27) 277.
building— at U. S. Naval Academy farm, (36) 590.	methods of obtaining, (28) 273.
construction and equipment, (31) 892.	value, (29) 71; (32) 399; (36) 76. herds—
notes, (29) 876.	accredited, papers on, (38) 179.
notes, (29) 876. plans, (37) 90.	care and management, (31) 272; (32) 870;
by-products— for pigs (39) 375	(38) 278.
pasteurization, (34) 673.	cooperative testing, (27) 899. economy in relation to size, (38) 777.
for pigs, (39) 375. pasteurization, (34) 673. utilization, (27) 97.	eradication of theeremosis from, (28) 675.
cattle, see Cattle, Cows, etc. chemistry, progress in, (28) 315; (37) 373. chemistry, treatise, (32) 501. competitions in Denmark, (28) 775. competitions in Wisconsin, (28) 74, 272.	feed and production records of, (31) 793. improvement, (37) 271; (38) 877; (39) 882. management, (31) 394; (38) 578, 777; (39)
chemistry, treatise, (32) 501.	management, (31) 394; (38) 578 777; (39)
competitions in Denmark, (28) 775.	678.
competitions in Wisconsin, (28) 74, 272.	on general farms, (40) 574.
conveniences, (32) 590. convention in Washington, (35) 98, 275.	testing and grading, (29) 280. houses—
education in Great Britain, (37) 893.	construction, (35) 791.
education in United States, (37) 893. efficiency table, (37) 775.	construction and equipment, (27) 486. plans, (27) 190; (33) 892; (38) 480. husbandry, bibliography, (28) 492.
experimental work in Pennsylvania, (34) 498.	DISDS, (27) 190; (33) 892; (38) 480. hushandry bibliography (28) 409
exports from Denmark, (30) 91.	husbandry instruction, development of, (33)
extension work in Nevada, (36) 95.	493.
factories, distribution in Wisconsin, (27) 74.	inspection—
cost accounting, (40) 375.	and sanitation, (38) 781. catalose and reductase test in, (27) 781.
in Wisconsin, notes, (28) 790.	common sense in. (36) 474.
modern, description, (28) 176. plant, construction, (37) 591.	discussion, (33) 701. fermentation test in, (28) 279.
score card, (40) 476.	in Glasgow. (28) 375.
small, developing, (34) 494.	in Glasgow, (28) 375. Indiana, (32) 254. Kansas, (33) 577.
farmers— business methods for, (30) 678.	Kansas, (33) 577.
cooperation among, (26) 92.	Kentucky, (31) 359. Louisiana, (35) 663.
farming—	Maine, (28) 879.
erop rotation in, (40) 375. factors of success in, (32) 89.	Massachusetts, (33) 260; (35) 470; (37)
for small farmers, book on, (40) 590.	165. Michigan, (27) 767; (35) 367.
in Arizona, (39) 295.	Minnesota, (37) 166.
blue-grass region of Kentucky, (37) 873. Finland, (27) 877.	Minnesota, (37) 166. Missouri, (33) 164.
Kentucky, (40) 78.	Montana, (33) 67. Nevada, (33) 661.
Mississippi, (39) 482.	New Jersey, (32) 254.
Kentucky, (40) 78. Kentucky, (40) 78. Mississippi, (39) 482. Monmouth Co., New Jersey, (39) 293. Naw Hampshire, (20) 301	New Orleans, (32) 357.
New Hampshire, (29) 391. Sussex Co., New Jersey, (40) 473.	North Dakota, (26) 462; (28) 661; (33) 753.
Sussex Co., New Jersey, (40) 473. the Ozarks, (26) 273. lessons on, (28) 383. meaning of, (33) 97. notes, (32) 870; (36) 195. papers on, (40) 299. profitable systems (28) 395	Ohio, (29) 266; (33) 67, 78, 164, 661.
lessons on, (28) 393.	Oregon. (35) 470.
notes. (32) 870; (36) 195.	Pennsylvania, (33) 67; (35) 470.
papers on, (40) 299.	Rhode Island, (40) 559. Utah, (33) 164.
	Virginia, (29) 567, 766; (30) 74; (32) 661;
profits from, (26) 273. ready alternative use of crops in, (39) 593.	(36) 63.
relation to soil fertility, (27) 280.	notes, (30) 678. paper on, (29) 500.

Dairy-Continued.	Dairy-Continued.
inspection—continued.	products—continued.
score-card system, (27) 678. state, (27) 678.	testing and grading, treatise, (26) 578.
v. bacterial testing, (36) 273.	testing and handling, (32) 576. testing, methods, (26) 371; (30) 679.
inspectors, appointment and compensation, (38)	transportation, (32) 874. tubercle bacilli in (28) 372.
774.	profits ingressing (20) 71
institute at— Alnarp, (29) 172; (31) 375.	profits, increasing, (29) 71. rations, computing, (27) 178; (36) 374; (38) 73.
Bern-Liebefeld, report, (28) 372.	rations, formulating, (37) 684.
Proskau, report, (26) 477; (27) 676.	rations, formulating, (37) 684. refrigerator, description and tests, (27) 293.
instruction—	Sanitary conditions in United States, (35) 677.
committee on, (31) 492. in Illinois high schools, (36) 595.	Summation, notes, (29) 878.
in northern Europe, (30) 194.	sanitation, notes, (29) 878. berg, report, (28) 178. school at Rutti-Zollikofen, report, (26) 477; (28)
in various countries, (29) 191.	372; (36) 571.
notes, (28) 475; (30) 679.	schools, itinerant, of Ardeche, (28) 297.
Instructors' Association, (27) 106; (30) 679. laboratory manual, (31) 792; (34) 571; (37) 872.	score card, scope and use, (38) 781.
law in—	score cards, survey, (37) 175. sewage disposal, (31) 893.
Illinois, (29) 61.	sewage, purification, (34) 590, 687. sires, see Bulls and Sires. statistics in Minnesota, (37) 777.
Michigan, (29) 61. Nebraska, (26) 868.	sires, see Bulls and Sires.
Nebraska, (26) 868.	statistics in Minnesota, (37) 777.
Oregon, (35) 471. laws in—	statistics in Sweden, (28) 475.
California, (36) 474; (39) 786.	stock, young, feeding, (36) 773. technology, progress in 1912, (29) 805. technology, treatise, (28) 878. terminology, notes, (29) 172. tests and methods, (31) 875. transile
California, (36) 474; (39) 786. Colorado, (31) 373.	technology, treatise, (28) 878.
Connecticut, (31) 259; (35) 367, 558.	terminology, notes, (29) 172.
Iowa, (39) 786.	utensils—
Massachusetts, (31) 79. Michigan, (37) 63.	aluminum, tests, (35) 189.
Minnesota, (30) 877. New York, (30) 877; (31) 175. Wisconsin, (30) 165; (37) 875; (40) 462.	as source of bacterial contamination, (33)
New York, (30) 877; (31) 175.	876.
Wisconsin, (30) 165; (37) 875; (40) 462.	effect on germ content of milk, (38) 878.
losses, detection, (29) 71. machinery, tests, (32) 486.	inspection, (30) 178. steam sterilizer for, (35) 677; (36) 762.
management, treatise, (31) 76.	washing, (32) 590.
officials, organizations, and institutions, (27) 881.	wastęs-
operations, effect on germ content of milk, (29)	disposal, (31) 773; (37) 588. for pigs, (36) 571.
878. organization, paper on, (29) 894.	purification, (31) 773; (33) 784.
practice, treatise, (30) 271.	world, new queen, (27) 176.
production, costs, (26) 474; (36) 396; (38) 894.	Dairying—see also Creamery, Butter, Cheese, Milk,
production, maintenance, (38) 777.	etc.
products— acidity, (37) 373.	about Eigin, Illinois, (32) 192. as affected by price fixing, (39) 593.
analyses, (27) 718, 815; (28) 315, 811; (29) 119; (31) 760; (37) 114, 165.	08CEPTIOLOGY 10. (33) 277
119; (31) 760; (37) 114, 165.	bibliography, (33) 578; (36) 468. community, (37) 573. course in, (40) 492.
as affected by alkali water, (27) 282. as affected by phosphates, (27) 326.	community, (37) 573.
chemistry, progress in, (30) 207.	function in agriculture, (34) 305.
deterioration, (26) 371.	in Alabama, (28) 581.
determination of fat in, (27) 499.	Argentina, (37) 271.
educational scoring, (40) 673.	Australasia, handbook, (28) 878.
examination, (30) 664; (33) 67. examination methods, treatise, (26) 111.	Australia, (28) 365. Austria, (27) 375; (30) 896.
exhibition contests, (27) 599.	Bombay, (32) 367.
fairs and exhibitions in United States, (28)	California, (30) 74.
796.	Canada, (29) 673, 775; (30) 574; (33) 93. Colorado, (38) 378.
handling, (37) 777. imports into China, (30) 574.	Cuba, (39) 282.
products, inspection—	Denmark, (27) 375; (28) 371; (32) 471; (37)
and distribution in New England, (34) 380.	172.
in Canada, (32) 473. Midnigan (20) 483: (30) 558	England and Wales, (36) 376. Europe, history, (26) 371.
Michigan, (29) 463; (30) 558. Pennsylvania, (29) 867.	F10F102, (88) 877.
Queensland, (27) 473.	Germany, treatise, (31) 475.
Queensland, (27) 473. Utah, (30) 474.	Great Britain, (27) 676; (28) 371; (36) 571.
Virginia, (30) 258. Washington, (29) 266. Wisconsin, (29) 61.	Germany, treatise, (31) 475. Great Britain, (27) 676; (28) 371; (36) 571. Hungary, (31) 376; (33) 175. Illawarra district, New South Wales, (27) 74.
Wisconsin, (29) 61.	Indiana. (39) 884.
products—	Indiana, (39) 884. Ireland, (27) 375; (28) 371; (30) 574. Italy, (27) 472.
judging by score cards, (27) 74.	Italy, (27) 472.
lactic acid and propionic acid bacteria in, (28) 276.	Jamaica, (30) 74. Topon (30) 777
(26) 270. lessons on, (26) 493. marketing, (28) 274; (29) 894; (35) 892. marketing in Queensland, (32) 793. metallic flavor in (35) 276.	Minnesota, (33) 78.
marketing, (28) 274; (29) 894; (35) 892.	Mississippi, (28) 274.
marketing in Queensland, (32) 793.	Montana, (28) 74.
metallic havor in (35) 276.	Netneriands, (27) 676; (31) 691.
pasteurization, (35) 378. plant food content, (27) 574.	New York, (30) 877.
production and use, (32) 773.	Italy, (27) 472. Jamaica, (30) 74. Japan, (30) 777. Minnesota, (33) 78. Mississippi, (28) 274. Montana, (28) 74. Netherlands, (27) 676; (31) 691. Nevada, (32) 471. New York, (30) 877. New Zealand, (31) 173; (36) 273, 571; (38)
relation to microoganisms, (26) 372.	
review of literature, (26) 266. standards and branding, (34) 381.	North Dakota, (29) 473. northern Europe, (30) 177.
standards for, (30) 679.	Norway, (27) 472.
standards for, (20) 679. standards in United States, (29) 776. statistics, (27) 574; (31) 165; (40) 476. statistics in Canada, (26) 896.	Nova Scotia, (31) 173.
statistics, (27) 574; (31) 165; (40) 476.	Oklahoma, (29) 876.
statistics in United States, (28) 390.	Ontario, (36) 874. Oregon, (27) 299.

Dairying—Continued.	Dargida procinctus, notes, (32) 651.
in Philippines, (39) 781.	Dargida procinctus, notes, (32) 651. Dark day in Jamaica, (38) 210.
Queensland, (27) 473, 489; (30) 791.	Darkling beetle grubs injurious to tobacco, (29) 761.
Scotland, (29) 473. semiard sections, (29) 473.	Darkness— effect on plant growth, (26) 431.
south Mississippi, (32) 266. Sweden, (26) 477; (33) 274.	intensity just before dawn, (32) 211.
Sweden, (26) 477; (33) 274.	leaf injury or loss due to, (35) 243.
Switzerland, (32) 870. Tasmania, (27) 472.	Darluca—filum, notes, (36) 541.
the Caucasus, (26) 275.	melaspora on sugar cane, (40) 157.
the Caucasus, (26) 275. the South, (32) 574. the Tyrol, (28) 878.	Darnel—
the Tyrol, (25) 878. United States, (32) 773; (38) 777. United States, history, (27) 283. Uruguay, (36) 572; (38) 778. Victoria, (28) 277. Virginia, (29) 473. Washington, (28) 285. western Norway, (30) 877. western Norway, (30) 877. western Siberia, (26) 880; (27) 676; (28) 371. Wissbaden, (26) 371. international federation, (28) 178. laboratory guide, (29) 93; (32) 173. laboratory manual, (31) 694. manual, (26) 674; (29) 775; (31) 395; (35) 378 mountain, in Norway, (26) 371.	analyses, (28) 463. as an adulterant of flour, (26) 710.
United States, history, (27) 283.	Darso-
Uruguay, (36) 572; (38) 778.	chemistry of, (40) 608.
Victoria, (28) 277. Virginia, (29) 473.	feeding value, (40) 278. starch content, (35) 108.
Washington, (28) 265.	Darwinism—
western Norway, (30) 377.	and animal production, lecture on, (28) 271. treatise, (27) 175.
Western Sideria, (20) 880; (27) 676; (28) 871. Wieshaden, (26) 371.	Dascillus cervinus, notes, (27) 458.
international federation, (28) 178.	Dasheen-
laboratory guide, (29) 93; (32) 173.	flour, analyses, (39) 870.
12DOFSTORY MARIUSI, (31) 694.	meal, analyses, (40) 173. shoots, forcing and blanching, (30) 442.
manual, (24) 6/4; (29) 7/5; (31) 395; (35) 378 mountain, in Norway, (26) 371. municipal, notes, (32) 773. notes, (27) 574; (28) 279, 371; (29) 375; (31) 573;	Dasheens—
municipal, notes, (32) 773.	as food, (36) 561.
notes, (27) 574; (28) 279, 371; (29) 375; (31) 573;	culture, (38) 231. culture—
OH SHIMH IMPIRS, (50) 271.	and analyses, (32) 37.
place in southern agriculture, (39) 676. progress in, (26) 315; (28) 112; (30) 313; (33) 673. propagation of starters, (26) 478.	and analyses, (32) 37. and use, (37) 537; (40) 763. experiments, (29) 637; (37) 329.
progress in, (26) 315; (28) 112; (30) 313; (33) 673.	experiments, (29) 637; (37) 329.
refrigeration in. (27) 376.	in Louisiana, (29) 534. in Philippines, (40) 245.
refrigeration in, (27) 376. relation to climate, (28) 27. review of literature, (32) 173, 566.	in the South, (32) 631.
review of literature, (32) 173, 566.	digestibility and use as human food, (38) 168.
school lessons on, (32) 597; (35) 592.	fertilizer experiments, (29) 637. for pigs, (35) 870.
short course in, for high schools, (27) 298. textbook. (31) 494; (37) 894. treatise, (27) 176; (28) 176; (31) 173; (32) 258, 291;	nematodes affecting, (37) 841.
treatise, (27) 176; (28) 176; (31) 173; (32) 258, 291;	notes, (27) 842.
(34) 670. winter, in South Dakota, (27) 574.	notes and analyses, (29) 336. recipes, (29) 361; (36) 761.
woman's part in, (37) 893.	seeding experiments, (40) 730.
Dairymen, computer for, (31) 276.	seeding experiments, (40) 730. varietics, (29) 637; (33) 535. Dasychira pudibunda, notes, (27) 255, 755; (34) 63.
Daisy- leaf spot, notes, (31) 641.	Dasychypha calycina, notes, (27) 255, 755; (34) 68.
ox-eye, dissemination by farm animals, (26) 839.	Dasylirion spp, notes, (29) 441.
yellow, inheritance studies, (36) 522; (40) 131.	Dasyllis thoracica larvae, notes, (40) 653.
yellow, variations in, (32) 726. Dakin's—	Dasyneura— leguminicola—
dichloramin-T solution, (39) 185. hypochlorite, toxicity, (39) 586. solution—see also Chloramin-T and Hypo-	control, (39) 563. notes, (32) 651.
hypochlorite, toxicity, (39) 586.	notes, (32) 651.
chlorite.	popular account, (39) 262. n.sp., description, (35) 256.
action on Bacillus welchii toxin, (39) 185.	rhodophaga, notes, (28) 854; (38) 155, 358.
action on necrotic tissue, (38) 685. automatic distributor for, (40) 12.	ulmea, notes, (35) 659.
	vaccinii, studies, (39) 60. Dasyphora pratorum, hibernation, (34) 254.
notes, (40) 182, 883.	Dasyprocta punetata n.subspp., descriptions, (37) 757.
preparation, (39) 414, 286; (40) 13.	Daypus novemeinctus texanus, biology and habits,
notes, (40) 182, 833. preparation, (39) 414, 286; (40) 13. studies, (39) 185, 786. use, (38) 283. Dalbergia latifolia, notes, (34) 240. Daldinia concentrica, fruiting forms, (32) 341. Dalmeny Experiment Station, work of, (31) 516. Dals, relation to polyneuritis, (28) 557. Dam at Powersite, Mo. (28) 716.	(29) 755.
Dalbergia latifolia, notes, (34) 240.	Dasysoypha—
Dalmeny Experiment Station, work of (31) 516	(Peziza) calveina, studies, (28) 844
Dals, relation to polyneuritis, (28) 567.	subtilissima, studies, (37) 354.
Dam at Powersite, Mo., (28) 716.	fuscosanguinea, notes, (28) 750. (Peziza) calycina, studies, (32) 844. subtilissima, studies, (37) 354. willkommii, notes, (27) 350; (30) 248.
Dams—	Datana— integerrima—
and weirs, treatise, (35) 288. construction, (27) 787; (33) 586, 885.	agg narasites of (20) 658
earth, treatise, (29) 289.	injuring shade trees, (38) 197.
for prevention of soil erosion, (37) 286. hydraulic fill, sliding factor, (40) 188.	injuring shade trees, (38) 197. notes, (28) 155; (33) 58; (36) 358; (37) 255; (38) 762; (39) 761; (40) 259. on pecan, (38) 157; (39) 557. ministra, notes, (36) 358.
masonry, design and construction, (27) 385.	on pecan, (38) 157; (39) 557.
Damsel flies of Illinois, (39) 763.	ministra, notes, (36) 358.
Danaea roots, mycorrhiza of, (37) 631.	spp., notes, (39) 761. Date palm—
Dandelions—	foliage characters, (33) 342.
eradication, (31) 835; (39) 37.	fungus disease, (39) 453.
as food, (35) 470. eradication, (31) 835; (39) 37. lessons on, (31) 792.	offshoots, rooting, (36) 142. scales, remedies, (30) 358.
nectar secretion, (37) 633.	seedings, sex of, (31) 536.
Danish plant culture stations, report, (30) 134.	sugar industry in Bengal, (29) 149.
Danthonia— in New Zealand, (37) 537.	Date palms— as affected by climatic conditions, (31) 326.
pallida, analyses. (30) 585.	culture, (40) 540.
Danysz bacillus, virulence, (35) 52. Daphnia obtusa, heredity in, (32) 448.	culture in Egypt, (27) 645; (35) 145. false, of Florida Koys, (29) 341.
Daphnids, sex determination in, (26) 773.	fossil fruits of in Texas. (31) 142.
Darac, notes, (31) 258.	origin, (32) 142.

Date palms—Continued.	Delaware—Continued.
ornamental, culture in Arizona, (32) 233 transplanting experiments, (34) 231.	Station—Continued. report, (32) 496, 796; (35) 195; (36) 898; (39)
Date stone beetle, notes, (33) 750.	196.
Dates—	report of director, (27) 396; (29) 793.
artificial ripening studies, (27) 539; (29) 439	Delphacidae— of Hawaii, new, (38) 557.
ash analyses, (29) 861. Babylonian, for California. (31) 238.	of North and South America, (31) 550.
breeding experiments, (27) 528.	Delphacinae of North and South America, (32) 247.
culture-	Delphastus catalinae—
experiments. (29) 338. in Arizona, (32) 232.	notes, (39) 461. parasitic on white flies, (37) 58. Delphy saccharizane parts (20) 52.
California, (26) 336.	Delphar saccharivora, notes, (29) 52; (34) 753.
Egypt, (38) 347. Salt River Valley, (29) 439.	Deiphinin, studies, (34) 709.
the Punjab, (30) 444.	Delphinium—
the Southwest, (29) 542.	alkaloids of, (35) 780.
dried, analyses, (30) 861.	spp., analyses, (30) 577.
dried, preparation and use, (29) 462.	consolida, aggintinating properties, (31) 774. spp., analyses, (30) 577. spp., notes, (32) 778.
loss of astringency during ripening, (26) 327. of Egypt and Sudan. (34) 43.	spp., poisoning stock, (39) 386, 587. Deltocephalus—
pasteurizing, (39) 439.	minki, life history, (35) 553.
thinning experiments, (35) 537.	n.spp., descriptions, (34) 255.
treatise, (30) 238. varieties, (28) 533; (32) 232.	n.spp., descriptions, (34) 255. spp., notes, (27) 858; (33) 356.
varieties for southern Arizona, (27) 539.	Dematophora— glomerata injurious to grapes, (31) 544.
Datura-	necatrix—
breeding experiments, (36) 838; (37) 546.	notes, (26) 750; (34) 49; (38) 51; (40) 749.
electroculture experiments, (30) 430.	studies. (32) 149.
for classroom work in genetics, (37) 831. inheritance studies, (39) 747.	treatment, (30) 543. sp. on coffee, (32) 645.
origin of alkaloids in, (27) 228.	Demodex—
spp., breeding experiments, (30) 631.	erinacei n.sp., description, (38) 865.
stramonium—	folliculorum, remedies, (34) 275.
agglutinating properties, (31) 774. inheritance studies, (40) 131.	muscardini n.sp., description, (38) 865. Demurrage information for farmers, (33) 91.
notes, (30) 145.	Denaturants, detection in ethyl alcohol, (29) 312.
Daucus carota, carotinoid content, (31) 803.	Dendragapus canadensis, growing in captivity, (27)
Davainea— cesticillus, life history, (40) 359.	675.
n.spp., descriptions. (33) 775.	Dendrobium thyrsiflorum, carotinoid content, (31) 803.
n.spp., in fowls, (34) 281.	Dendrocalamus strictus, culture experiments, (34)
spp., intermediate host, (35) 578, 683.	232.
Daviesia latifolia, constituents of leaves and stems,	Dendroctonus—
(32) 501. Dawn, "warmth of," (40) 314.	brevicornis, see Western pine beetle. engelmanni, see Spruce beetle, Engelmann.
Daylight illumination, measurement, (32) 810.	frontalis, see Pine beetle, southern.
Deaminization—	jeffreyi, see Jeffrey pine beetle. micans, see Spruce beetle, European.
by tyrosinase, (36) 412.	micans, see Spruce beetle, European.
in the animal body, (40) 866. Death camas—	monticolae, see Mountain pine beetle. murrayanae, see Lodgepole pine beetle.
description (32) 474: (30) 388	ponderosae, see Black Hills beetle.
examination, (27) 881.	pseudotsugae, see Douglas fir beetle.
monograph, (33) 177. notes (31) 578; (32) 778.	valens, see Turpentine beetle, red.
poisoning of sheep by. (28) 197.	Dendrograph, description, (40) 817. Dendrolimus—
poisoning of sheep by, (28) 197. poisoning stock. (39) 184. 787.	pini, egg parasite of, (26) 557.
Death feigning in insects, studies, (27) 457.	pini, metamorphosis, (34) 361.
Debab, transmission by blood-sucking insects, (26) 150.	spp., biology and remedies, (31) 655. Dendrology—
Debility in horses, cause, (39) 892.	bibliography, (26) 240; (27) 846.
Deer-	bibliography, (26) 240; (27) 846. scope of, (31) 342.
breeding, treatise (29) 171. chromatin bodies in erythrocytes of, (29) 478.	Dendrometer, description, (30) 347; (38) 248.
destruction by helminths, (26) 653.	Dendropemon— sp., notes, (37) 453.
Flat bird reservation, (37) 355.	spp. on citrus trees, (39) 56.
host of spotted fever tick, (26) 64. protection in Alaska. (28) 450; (38) 791.	Dendrophoma-
Deficiency disease, see Diet deficiency.	coffeicola, notes, (38) 51.
Defoliation, effect on—	marconii, notes, (32) 146.
composition of sugar beets, (31) 435.	saccharicola, notes, (37) 553. Dendrotettix quercus, notes, (35) 255.
wood growth and structure, (30) 228.	Dengue fever—
Deforestation in Savoy, (35) 346. Degeeria funebris, notes, (30) 459; (31) 251.	in Australia, (40) 552.
Dellephila	mosquito carriers, (39) 262, 263.
elphenor, notes, (26) 250.	Denitrification—
euphorbiae, notes, (26) 656. Delaware—	as affected by—
College, notes, (27) 900; (28) 494; (29) 195, 697;	organic substances, (31) 223. soil moisture, (36) 513.
(31) 496; (33) 794; (34) 295, 797; (35) 95, 397, 596;	Streptothrix, (27) 621.
College, notes, (27) 900; (28) 494; (29) 195, 697; (31) 496; (33) 794; (34) 295, 797; (35) 95, 397, 596; (36) 694, 796; (37) 397, 600; (38) 96, 399, 699, 900; (39) 694; (40) 98, 798.	in Nebraska soils, (29) 734. plants, studies, (29) 325.
	piblits, strictes, (29) 325.
Farmers' Day guide for. (32) 693.	sandy loam soils, (36) 321. soils, (26) 721, 723; (27) 424; (29) 817; (31) 722, 818, 819; (34) 423.
Farmers' Day guide for, (32) 693. financial statement, (27) 396; (29) 793. guide to experiments, (28) 795. notes, (26) 300; (29) 195; (31) 600; (34) 797; (35) 95, 596; (36) 694, 796; (37) 397, 600; (38) 98, 900; (33) 300, 694, (40) 98, 796	818, 819; (34) 423.
guide to experiments, (26) 795.	sons of different water content, (32) ors.
(35) 95, 596; (36) 694, 796; (37) 897, 600; (88)	tilled and untilled fallow, (30) 216. mechanism of, (30) 718.
	rôle of engyms in (32) 112

Dental-	Derostenus-Continued.
caries, cause, (26) 867.	salutaris, parasitic on plum leaf-miner, (26) 558.
decay, relation to foods, (29) 364.	sp., studies, (28) 560.
tartar, formation, (26) 160. Denudation, problems of, (40) 118.	Derrengadera, treatment, (40) 583. Deschutes River, Oregon, utilization, (32) 279.
Deodar—	Desert-
distillation products of, (35) 317.	habitat, experimental evolution in, (40) 129.
fungus disease, notes, (39) 459, 653.	lakes as source of potash, (40) 128.
needle-cast, notes, (27) 655.	mountains, plant distribution on, (40) 129. plants, see Plants, desert.
witches' brooms on, (32) 346. Department of Agriculture—see also United States	Deserts, precipitation-evaporation factor in, (37)
Department of Agriculture.	525.
of Finland, report, (37) 295.	Desiantha nociva, notes, (30) 753; (35) 261.
of Union of South Africa, history and activities,	Desiccation—
Depressaria—	effect on tubercle bacilli, (33) 282. of Africa, (37) 807; (40) 717.
atomella, notes, (28) 158.	of the earth, (38) 718.
heracliana, destructive to parsnips, (29) 855.	Desiccator—
heracliana, notes, (35) 853.	description, (37) 110.
persicaeella, biology and remedies, (38) 861. Derbidae of Philippines, (38) 461.	electrically heated vacuum, (36) 504. vacuum, for soils, (31) 16.
Dermacentor-	Desmia funeralis, see Grape leaf-folder.
albipictus—	Desmodium-
affecting moose, (38) 487.	adscendens, culture, (34) 736.
in Minnesota, (38) 566.	gyroides as a green manure, (36) 324.
notes, (27) 356. andersoni, control in Bitter Root Valley, (29)	hirtum, culture experiments, (37) 131. hirtum, description and use, (30) 735.
658,	incanum, culture, (34) 736.
hunterin.sp., description, (26) 864.	leiocarpum, analyses, (31) 863.
nitens, relation to equine piroplasmosis, (29) 83, 483.	spp., notes, (26) 362.
nitens, studies, (35) 58.	tortuosum, culture, (27) 419; (30) 335, 632; (32)
parumapertus marginatus, parasite of, (26) 863.	730. Desmometopa, commensalism in, (34) 359.
spp., life histories, (29) 861.	Desmonycinae of British India, (40) 63.
spp. notes, (27) 866. variabilis, transmission of splenetic fever by,	Desmopsis n.g. and n. spp., descriptions, (36) 433,
(28) 758.	Desmosomus longipes, notes, (37) 359. Desserts, recipes, (39) 769.
venustus-	Deudorix livia, notes, (32) 151.
as affected by Roentgen rays, (28) 57.	Development—
biology, (29) 359. effects following bite of, (29) 585; (30) 182;	Act in Great Britain, (38) 794.
(36) 180.	Fund in England, (30) 793.
eradication, (30) 162, 760; (32) 853.	Dew-
in California, (38) 484.	ammonia in, (37) 116. effect on composition of hay, (26) 235.
in Montana, (28) 352; (35) 853; (37) 560; (39) 265.	genesis of, (31) 22.
life history. (26) 64: (31) 176.	measurement, (34) 510.
life history, (26) 64; (31) 176. notes, (29) 652; (32) 448; (33) 553, 862; (35)	point, determination, (31) 22. point, investigations, (35) 318.
853; (37) 459.	ponds, accumulation of water in, (30) 118.
relation to paralysis in lambs, (29) 482. studies, (26) 254; (36) 158.	ponds, treatise, (33) 806.
Dermanyssus—	relation to grape mildew, (28) 152, 448.
gallinae, see Chicken mites and Poultry mites.	relation to spread of plant diseases, (38) 47.
sp., transmission of spirochetes by, (32) 279. spp., dissemination by English sparrows, (26) 246.	Dewberries—
246.	breeding experiments, (28) 542; (40) 742. culture, (31) 441; (32) 639; (34) 42; (35) 448.
spp., on rodents, (33) 159.	culture, (31) 441; (32) 639; (34) 42; (35) 448. culture experiments, (28) 436; (38) 41. culture in southern Texas, (32) 539.
Dermaptera of Plummers Island, Maryland, (40)	culture in southern Texas, (32) 539.
049. Description exercite relation to 6s withoutin (25) 850	phyllody of corolla in, (34) 143.
Dermatea eucrita, relation to fir withertip, (35) 850. Dermatella prunastri, investigations, (30) 451.	sterility in, (36) 444. varieties, (27) 241; (28) 542; (37) 243.
Dermatitis—	Dewberry-
granular, studies, (40) 586. in horses, (26) 482; (33) 774; (34) 274. in pigs, (26) 482; (33) 774.	diseases, notes, (37) 52; (39) 652.
In norses, (26) 482; (33) 774; (34) 274.	double blossom, investigations, (26) 850.
pustular, notes, (40) 283.	rusts, notes and treatment, (29) 50.
Dermatobia—	Dexidae, new, in South America, (34) 65.
cyaniventris, notes, (38) 362.	Dextrin— commercial, examination, (39) 805.
hominis—	determination in—
egg disposal in, (36) 359. life history, (30) 361. notes, (26) 781.	food products, (27) 111; (34) 205.
notes, (26) 781.	sugar products, etc., (31) 412.
parasitic on man, (27) 259.	Wheat, (28) 836. digestion by bees. (31) 255.
relation in ticks, (40) 62. reproduction and host habits, (34) 358.	digestion by bees, (31) 255. history of, (26) 106.
summary of information, (40) 263.	methods of analysis, (27) 205.
Dermatomycosis of swine, (28) 783.	oxidation with bromin, (40) 613.
Dermatophilus penetrans, notes, (28) 753.	production and use, (32) 117.
Dermestes— cadaverinus, notes, (28) 249.	products, examination, (34) 11. use in food products, (34) 167.
spp., infesting cotton bales, (26) 560.	Dextrinase, bacterial, preparation. (37) 411.
vulpinus in Hawaii, (40) 266.	Dextrose-
Dermestidae, catalogue, (26) 560.	absorption by plants, (27) 635.
Dermitis, pustular, in horses, (29) 179. Derostenus—	absorption, effect on composition of blood, (28) 867.
diestates notes (21) 158	and picrate solutions, color production in, (39)
fullowayi n.sp., description, (31) 554. n.spp., descriptions, (30) 661.	611.
n.spp., descriptions, (30) 661.	content of preserved fruits, (27) 766.
pallipes n.sp., description, (38) 165. punctiventris n.sp., description, (30) 59.	detection in presence of lactose, (28) 205. determination, (34) 611.
man and the second seco	

```
Diamid, assimilation by plants, (26) 32.
Diamino acids in proteins, nutritive value, (38) 569.
Diamond-back moth—
in South Africa, (39) 561.
life history, (37) 663.
notes, (28) 854.
remedies, (26) 250; (28) 59; (34) 654.
Dianthidium—
arkgrigum notes, (36) 380.
 Dextrose—Continued.
determination in—
                                  blood, (39) 611.
muscular tissue, (37) 617.
presence of nitrogenous bodies, (28) 504.
 effect on—
ammonification, (28) 718; (35) 729.
availability of nitrogen, (28) 724, 725.
carbon dioxid production, (30) 123; (34) 127.
soli nitrogen, (31) 722; (35) 218.
feeding during inanition, (26) 465.
from cellulose in digestion, (26) 160.
in Fucoideae, (29) 566.
in grape leaves, (27) 731.
ingestion, effect on metabolism, (28) 866.
solution, osmotic pressure, (28) 262.
Deyeuxla forsteril, analyses, (30) 565.
Dhaincha as green manure, (27) 337, 637; (36) 232.
Dhaura, notes, (23) 2443.
Dhauri, notes, (34) 239.
Dholl, factors affecting cooking, (35) 556.
Diabetes—
                  effect on-
                                                                                                                                                                                                                                                arizonicum, notes, (36) 360.
n.sp., description, (36) 258.
                                                                                                                                                                                                                                 Dianthus
                                                                                                                                                                                                                                 breeding experiments, (27) 741.
inheritance of doubleness, (39) 123.
Diaphania nitidais, see Pickle worm.
                                                                                                                                                                                                                                 Diapheromera-
                                                                                                                                                                                                                                 femorata, see Walking-stick.
veliei, notes (40) 353.
Diaporthe—
                                                                                                                                                                                                                                                 ambigua, notes, (34) 543.
batatatis—
                                                                                                                                                                                                                                                 n.sp., description, (28) 548.
notes, (32) 343.
studies, (29) 153; (34) 156; (39) 854; (40) 347.
cubensis n.sp., description, (39) 254.
   Diabet
                abetes—
acidosis in, (35) 473.
and glycosuria, treatise, (32) 474.
blood lipoids in, (35) 666.
carbohydrate cures for, (28) 262.
effect of alcohol in, (40) 364.
experimental, in cats, (32) 180.
increased oxidation in, (40) 766.
metabolism in, (35) 369, 371; (36) 763; (37) 267.
pancreatic, in dogs, (36) 562.
protein feeding and creatin elimination in, (35) 665.
relation to diet, (30) 168.
soy bean flour for, (27) 664.
studies, (34) 462.
                                                                                                                                                                                                                                                 parasitica-
                                                                                                                                                                                                                                                                 and Endothia radicalis, relationship, (27) 451.
                                                                                                                                                                                                                                                451.
history and distribution in Massachusetts,
(26) 551.
in France, (33) 56.
life history and morphology, (34) 157.
notes, (26) 56; (27) 252, 653, 753; (40) 53.
relationships, (28) 651.
studies, (26) 345; (27) 852; (28) 551; (29) 156;
(38) 449.
umbrina n.sp., on roses, (40) 544.
                 studies, (34) 462.
treatment, (35) 371.
                                                                                                                                                                                                                                 Diaprepes-
 Diabetic—
blood sugar, dialysis, (39) 671.
coma, cause, (40) 463.
foods, (30) 664; (40) 284.
foods, analyses, (29) 660; (35) 558.
metabolism as affected by adrenals, (33) 754.
Diabetics, use of rice by, (28) 861.
Diabrotica—
halteste bitment
                                                                                                                                                                                                                                                  abbreviatus
                                                                                                                                                                                                                                                abbreviatus—
doublieri, notes, (39) 862.
notes, (28) 752; (34) 753; (39) 742.
in West Indies, (38) 61.
n.sp., and n.subsp., description, (37) 765.
quadrivittatus, notes, (39) 58.
                                                                                                                                                                                                                                quantivistus, notes, (89) 56.
spengleri—
denudatus n.var., description, (33) 360.
notes. (30) 355; (39) 59.
studies, (33) 458.
spp. of West Indies, (33) 360.
Diapus furtivus, life history, (37) 854.
Dianetus (Aphidius) obsoletus n.sp., description,
                 balteata, hibernation, (39) 868.
balteata, remedies, (32) 557.
duodecim-punctata, notes, (27) 360; (36) 859;
                (40) 58. graminea, notes, (29) 53. graminea, studies, (37) 256. longicornis, life history and habits, (35) 356. longicornis, notes, (29) 252. soror, notes, (32) 651; (34) 656, 857. spp. injurious to potatoes, (37) 157. spp., notes, (29) 652; (30) 56. trivittata, notes, (34) 656. virgifera notes (26) 654; (28) 161. vittata, see Cucumber beetle, striped.
                           (40) 58.
                                                                                                                                                                                                                                          (30) 758.
                                                                                                                                                                                                                                 Diarrhea-
                                                                                                                                                                                                                                                 Irinea—
bacillary, white—
in chicks, (29) 288; (31) 484; (34) 189, 275, 387;
(35) 184, 578; (36) 281; (37) 82, 182, 280, 383.
in chicks, treatment, (30) 226; (32) 380.
in fowls, (36) 884; (38) 281, 689; (39) 792; (40)
                                                                                                                                                                                                                                685.

prevention, (33) 273.

chronic, in eattle, (29) 234, 587.

epidemic, relation to files, (28) 756; (36) 156.

in calves, (26) 381, 483; (35) 488; (40) 887.

chicks, treatment, (34) 881.

infants, relation to heat, (34) 462.

infants, transmission by house files, (26) 61.

poultry, treatment, (26) 78.

Diarrheal diseases, relation to files, (31) 654.

Diarrsenol, bactericidal action, (39) 488.

Diarthronomyia hypogrea—se also Rhopalomyia
                                                                                                                                                                                                                                                                          685
 vittata, see Cucumber beetle, striped.

Diachasma—
as fruit fly parasite, (40) 459.
crawfordi n.sp., description, (26) 352; (30) 460.
fullawayi, notes, (38) 767.
fullawayi, studies, (38) 659.
pilosipes, notes, (24) 455.
spp., parasitic on fruit fly, (37) 856.
tryoni—
in Hawaii (32) 757.
tryoni— 104 fruit fly, (37) 856.

in Hawaii, (32) 757.
notes, (34) 556.
parasitic on fruit flies, (31) 456.
studies, (38) 659, 787.
Diachasmimorpha comperei n.g. and n.sp., description, (30) 256.
Diacrisia—
chica-
                                                                                                                                                                                                                                   Diarthronomyia hypogaea—see also Rhopalomyia
                                                                                                                                                                                                                                  hypogaea.
in United States, (38) 160.
notes, (38) 50, 856; (38) 358.
Diarthrothrips coffeae n.g. and n.sp., description,
                                                                                                                                                                                                                                  (35) 357.
Disspidiotus—
tsugae n.sp., description, (26) 248.
uvae, notes, (27) 555.
Disspinae, new, of Italy, (38) 460.
    obliqua, notes, (27) 54.
virginica, control by parasites, (37) 760.
Discritus muliebris, systematic position, (40) 656.
  Diagnosis—
chemical and microscopical, treatise, (36) 412.
exercises in, (31) 376.
Diagnostic methods—
biologic, efficacy, (31) 376.
treatise, (27) 284.
Diagnostics, biologic, inconsistencies of, (29) 500.
                                                                                                                                                                                                                                  Diaspis
                                                                                                                                                                                                                                                 ispis—
bromeliae, notes, (28) 854,
carueli, notes, (30) 154.
echinocacti, see Cactus scale.
pentagona—see also A ulacaspis pentagona.
control in Italy, (34) 85i.
in Argentina, (27) 356; (37) 460.
notes, (26) 247, 452, 655; (28) 457.
parasites of, (27) 455.
remedies, (29) 854.
pirl, remedies, (26) 561.
spp., parasites of, (39) 465, 663.
   Dialysis
  quantitative, new apparatus for, (31) 501. value in soil studies, (30) 123. Diamait, value in bread making, (29) 765. Diamerus fici, notes, (27) 458. Diamesa mendotae n.sp., life history, (34) 651.
```

Diastase—	Dichomeris—Continued.
absorption of hydrogen chlorid by, (31) 806.	marginallys accurrance in Now Verly (00) 146
activity in etherized bulbs and tubers, (30) 728. activity in plant extracts, measurement, (33)	Dichromorpha viridis parasite of (40) 459
315.	Dickinson County Cow-Testing Association, re-
and glycogen of animal tissues, correlation, (30)	vacciniella n.sp., description, (33) 746. Dickromorpha viridis, parasite of, (40) 459. Dickromor County Cow-Testing Association, report, (31) 76.
204. and starch of plant tissues, relationship, (28) 729.	Dicoeoma spp., notes, (39) 549. Dicoma anomela, analyses and digestibility, (27)
and starch of plant distilets, relationship, (23) 723. as affected by ultraviolet rays, (25) 203. effect on alcoholic fermentation, (27) 428. effect on plant respiration, (27) 221, 428. formation and regulation by mold fungi, (31) 730. bydrolysis of rice storeh by (28) 407; (30) 111.	871; (32) 167.
effect on alcoholic fermentation, (27) 426.	Dicotyledon leaflets, water channels in, (28) 629
formation and regulation by mold fungi (31) 730.	Dicraeus n.spp., descriptions, (40) 263. Dicraneura cockerelli, notes, (26) 452. Dicranomyia foliocuniculator n.sp., description,
hydrolysis of rice starch by, (28) 407; (30) 111.	Dicranomyia foliocuniculator n.sp., description,
in alfalfa, studies, (32) 502.	(34) 554.
noney, (26) 710.	Dicranotropis maidis, notes, (30) 356. Dicroccelium lanceatum, life history, (26) 286.
tobacco plant, (31) 204.	Dictyna volupis, notes, (29) 256.
in alfalfa, studies, (32) 502. honey, (30) 710. red algae, (29) 220; (32) 503. tobacco plant, (31) 204. oxido-reducing, (40) 580. pancreas, effect on oat and wheat starch, (28)	Dictyocaulus—
660.	filaria— first stages. (28) 182.
preparation and properties, (28) 408. value in bread making, (29) 765.	first steges, (23) 182. notes, (27) 886. studies, (34) 274.
value in bread making, (29) 765.	studies, (34) 274.
Disatases, animal or vegetable, fatal temperatures for, (33) 30.	spp., destructive to deer, (26) 653. spp., life history and treatment, (35) 182.
Diastatic action—	spp., notes, (30) 285.
as affected by filtration, (29) 505.	Dictyophara spp., key, (38) 560. Dictyophora phalloidea, notes, (38) 550.
as affected by halogens, (28) 504. determination in starch solutions, (36) 329.	Dictyophorodelphax—
in bread making, (26) 358.	mirabilis, notes, (38) 557.
Diastrophus fragariae n.sp., description, (34) 362.	swezeyi n.sp., description, (40) 261. Dictyothrips—
Diatomaceous earth deposits in Virginia coastal plain, (29) 513.	aegyptiacus injuring grape. (39) 158.
Diatraea—	betae, notes, (28) 452.
canella, remedies, (32) 553. larval characters and distribution, (35) 758.	Dicyanamid— determination in fertilizers, (26) 804.
lineolata, notes, (35) 657.	manufacture from lime nitrogen, (33) 614.
lineolata, notes, (35) 657. saccharalis, see Sugar cane borer.	Dicyandiamid—
spp. in British Guiana, (38) 459. spp., notes, (29) 353.	assimilation by plants, (26) 32. decomposition in soll, (40) 724.
striatalis, notes, (34) 758.	enect on plant growth, (39) 116.
striatalis, notes, (34) 758. striatalis, parasites of, (34) 656.	injuring barley and mustard, (40) 515.
zeacolella, see Cornstalk borer. Diatrypella barleriae n.sp., notes, (37) 148.	studies, (29) 127. Dicyphus—
Diaulinopsis callichroma n.g. and n.sp., description,	luridus and D. prasinus, studies, (39) 58.
(30) 59.	TOINING TAKE (98) 854
	minimus, notes, (28) 654.
Diaulinus—	n.spp., descriptions, (37) 561. Didea fasciata—
Disulinus— begini n.sp., description, (30) 59. begini, notes. (29) 857.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456.
Disulinus— begini n.sp., description, (30) 59. begini, notes. (29) 857.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456.
Disulinus— begin n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260.	n.spp., descriptions, (37) 561. Dides fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., descrip-
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153.	n.spp., descriptions, (37) 561. Dides fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 757. Didinium, resistance to potassium cyanid, (40) 455.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502.	n.spp., descriptions, (37) 561. Dides fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 757. Didinium, resistance to potassium cyanid, (40) 455. Didonerus minutus, notes, (34) 754.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by diase (30) 850.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 757. Didinium, resistance to potassium eyanid, (40) 455. Didonerus minutus, notes, (34) 754. Didymella applanata, notes, (34) 55.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by diase (30) 850.	n.spp., descriptions, (37) 561. Dides fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 757. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymosphaeria— Didymosphaeria— Didymosphaeria—
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by diase (30) 850.	n.spp., descriptions, (37) 561. Dides fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 757. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymosphaeria— Didymosphaeria— Didymosphaeria—
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by flies, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsuplalis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymium nigripes, sexuality in, (38) 331. Didymosphaeria— coffeicola, notes, (38) 51. (Didymella) alhaginis n.sp., description, (35) 844.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by flies, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61.	n.spp., descriptions, (37) 561. Dides fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 757. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymium nigripes, saxuality in, (38) 331. Didymosphaeria— cofficiole, notes, (38) 51. (Didymolla) alhaginis n.sp., description, (35) 844. Diedrocephala coccinea, notes, (27) 859.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by flies, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 757. Didinium, resistance to potassium cyanid, (40) 455. Didynella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymella applanata, notes, (34) 55. Didymella notes, (38) 51. (Didymella) alhaginis n.sp., description, (35) 344. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by flies, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 757. Didinium, resistance to potassium cyanid, (40) 455. Didynelia applanata, notes, (34) 754. Didymelia applanata, notes, (34) 55. Didymium nigripes, sexuality in, (38) 331. Didymosphaeria— coffeicola, notes, (38) 51. (Didymelia) alhaginis n.sp., description, (35) 844. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importance, (38) 258.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by flies, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymella applanata, notes, (34) 55. Didymella applanatis, notes, (38) 331. Didymosphaeria— cofficiola, notes, (38) 51. (Didymella) alhaginis n.sp., description, (35) 844. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by flies, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61.	n.spp., descriptions, (37) 561. Dides fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 757. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymium nigripes, saxuality in, (38) 331. Didymosphaeria— cofficiola, notes, (38) 51. (Didymolla) alhaginis n.sp., description, (35) 844. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754. Diet-ese also Food and Nutrition.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by files, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, studies, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didynella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymella applanata, notes, (34) 351. Didymella pises, saxuality in, (38) 331. Didymella alhaginis n.sp., description, (35) 844. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754. Diet—see also Food and Nutrition. adequate and inadequate, choice of by rats,
Disulinus— begini, nsp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 282. intermedius n.sp., description, (36) 280. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibtothricosphalus latus— dissemination by flies, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alialia weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, notes, (38) 565. clisiocampae, studies, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655.	n.spp., descriptions, (37) 561. Dides fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didnium, resistance to potassium cyanid, (40) 455. Didynium nigripes, sexuality in, (38) 331. Didymosphaeris— coffeicola, notes, (38) 51. (Didymola) alhaginis n.sp., description, (35) 844. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754. Diet—see also Food and Nutrition. adequate and economical, (39) 163. adequate and inadequate, choice of by rats, (39) 770.
Disulinus— begini, n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by files, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, studics, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk	n.spp., descriptions, (37) 561. Dides fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymium nigripes, savuality in, (38) 331. Didymosphaeris— cofficiola, notes, (38) 51. (Didymolla) alhaginis n.sp., description, (35) 844. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754. litet—see also Food and Nutrition. adequate and economical, (39) 163. adequate and inadequate, choice of by rats, (39) 770. amino acids and vitamins in, (32) 857. and body condition, relation to energy produc-
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 282. intermedius n.sp., description, (36) 280. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocaphalus latus— dissemination by files, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachys— australin n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. elisiocampae, studies, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dicalcium phosphate—	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didynella applanota, notes, (34) 754. Didynella applanota, notes, (34) 55. Didymium nigripes, sexuality in, (38) 331. Didymella applanota, notes, (38) 51. (Didymella) alhaginis n.sp., description, (35) 844. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Dietrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754. Dietr—see also Food and Nutrition. ndequate and economical, (39) 163. adequate and economical, (39) 163. adequate and economical, (39) 163. adequate and inadequate, choice of by rats, (39) 770. amino acids and vitamins in, (32) 857. and body condition, relation to energy production, (37) 486; (39) 772.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by files, (30) 659. from the dog, (39) 791. life cycle, (33) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, notes, (38) 565. clisiocampae, studies, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibromoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dicalcium phosphate— as affected by calcium carbonate, (26) 527.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didynella applanota, notes, (34) 754. Didynella applanota, notes, (34) 55. Didymium nigripes, sexuality in, (38) 331. Didymella applanota, notes, (38) 51. (Didymella) alhaginis n.sp., description, (35) 844. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Dietrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754. Dietr—see also Food and Nutrition. ndequate and economical, (39) 163. adequate and economical, (39) 163. adequate and economical, (39) 163. adequate and inadequate, choice of by rats, (39) 770. amino acids and vitamins in, (32) 857. and body condition, relation to energy production, (37) 486; (39) 772.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by files, (30) 659. from the dog, (39) 791. life cycle, (33) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, notes, (38) 565. clisiocampae, studics, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dicalcium phosphate— as affected by calcium carbonate, (26) 527. determination, (32) 409. utilization by oats and lupines, (31) 733.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, lite history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didynella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymella applanata, notes, (34) 351. Didymella applanata, notes, (38) 331. Didymella alhaginis n.sp., description, (35) 344. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754. Diet—see also Food and Nutrition. adequate and inadequate, choice of by rats, (39) 770. amino acids and vitamins in, (32) 857. and body condition, relation to energy production, (37) 469; (39) 772. dietetic therapentics, treatise, (35) 858. foods, textbook, (29) 360. hygiene in schools, treatise, (29) 363.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 282. intermedius n.sp., description, (36) 280. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibtothricosphalus latus— dissemination by flies, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alialia weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, notes, (38) 565. clisiocampae, studies, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dicalcium phosphate— as affected by calcium carbonate, (26) 527. determination, (32) 409. utilization by oats and lupines, (31) 733. Diessteus gerstaeckeri, notes, (29) 8-33.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 757. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymium nigripes, sawality in, (38) 331. Didymesphaeria— confeicole, notes, (38) 51. (Didymella) alhaginis n.sp., description, (35) 344. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Dietrammena marmorata— economio importance, (38) 288. life history and habits, (30) 754. Diet-see also Food and Nutrition. adequate and economical, (39) 163. adequate and inadequate, choice of by rats, (39) 770. amino acids and vitamins in, (32) 857. and body condition, relation to energy production, (37) 469; (39) 772. dietetic therapeutics, treatise, (35) 858. foods, textbook, (29) 360. hygiene in schools, treatise, (29) 363. nutrition, textbook, (30) 463.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by files, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachy— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, notes, (38) 565. clisiocampae, studics, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dicalcium phosphate— as affected by calcium carbonate, (26) 527. determination, (32) 409. utilization by oats and lupines, (31) 733. Dicasticus gerstaeckeri, notes, (28) 833. Dichlorunty—see also Chlorumin. Deskins	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanota, notes, (34) 55. Didymella applanota, notes, (34) 55. Didymella palpanota, notes, (34) 55. Didymella) alhaginis n.sp., description, (35) 844. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Dietrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754. Dietr—see also Food and Nutrition. ndequate and economical, (39) 163. adequate and economical, (39) 163. adequate and economical, (39) 163. and body condition, relation to energy production, (37) 469; (39) 772. dietetic therapeutics, treatise, (35) 858. foods, textbook, (29) 360. hygiene in schools, treatise, (29) 363. nutrition, textbook, (30) 463. vitamin, quantitative relationship, (32)
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 282. intermedius n.sp., description, (36) 280. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by files, (30) 659. from the dog, (39) 791. life oycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachys— australin n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, studics, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasits of grannry weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dicalcium phosphate— as affected by calcium carbonate, (26) 527. determination, (32) 409. utilization by oats and lupines, (31) 733. Dicasticus gerstaeckeri, notes, (28) 833. Dicaloium-T—see also Chloramin-T, Dakin's solution, and Hypochlorite. and petrolatum dressing for burns, (40) 833.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsuplalis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanota, notes, (34) 754. Didymella applanota, notes, (34) 55. Didymella paplanota, notes, (34) 55. Didymella) alhaginis n.sp., description, (35) 344. Diedrocephala coccinea, notes, (27) 859. (Diels) Campsomeris dorsata, notes, (34) 455. Dietrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754. Diet—see also Food and Nutrition. adequate and economical, (39) 163. adequate and effect of the seed of the s
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 282. intermedius n.sp., description, (36) 280. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by files, (30) 659. from the dog, (39) 791. life oycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachys— australin n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, studics, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasits of grannry weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dicalcium phosphate— as affected by calcium carbonate, (26) 527. determination, (32) 409. utilization by oats and lupines, (31) 733. Dicasticus gerstaeckeri, notes, (28) 833. Dicaloium-T—see also Chloramin-T, Dakin's solution, and Hypochlorite. and petrolatum dressing for burns, (40) 833.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, lite history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didynella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymium nigripes, saxuality in, (38) 331. Didymella applanata in the confection of the confection, notes, (38) 51. (Didymella) alhaginis n.sp., description, (35) 344. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754. Diet—see also Food and Nutrition. adequate and economical, (39) 163. adequate and inadequate, choice of by rats, (39) 770. amino acids and vitamins in, (32) 857. and body condition, relation to energy production, (37) 469; (39) 772. dietetic therapeutics, treatise, (35) 858. foods, textbook, (29) 360. hygiene in schools, treatise, (29) 363. nutrition, textbook, (30) 465. vitamin, quantitative relationship, (32) 103, 164. as affected by environment, (26) 465. as cause of inefficiency in school children, (32)
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by files, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, notes, (38) 565. clisiocampae, studics, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dicalcium phosphate— as affected by calcium carbonate, (26) 527. determination, (32) 409. utilization by oats and lupines, (31) 733. Dicasticus gerstaeckeri, notes, (29) 8:33. Dichloramin——see also Chloramin—T, Dakin's solution, and Hypochlorite. and petrolatum dressing for burns, (40) 883. antiseptic value and use, (40) 181, 182, 284. composition and use, (40) 181, 182, 264.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsuplalis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymella applanata, notes, (34) 55. Didymella applanatis, notes, (34) 55. Didymella, alhaginis n.sp., description, (35) 844. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754. Diet—see also Food and Nutrition. adequate and economical, (39) 163. adequate and economical, (39) 163. adequate and economical, (39) 163. adequate and vitamins in, (32) 857. and body condition, relation to energy production, (37) 469; (39) 772. dietetic therapeutics, treatise, (35) 858. foods, textbook, (29) 360. hygiene in schools, treatise, (29) 363. nutrition, textbook, (29) 360. hygiene in schools, treatise, (29) 363. nutrition, textbook, (29) 360. secuse of inefficiency in school children, (32) 465.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 282. intermedius n.sp., description, (36) 280. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibotnricephalus latus— dissemination by flies, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, notes, (38) 565. clisiocampae, studics, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dibronoorthocresolsulfonphthalein, use in milk cultures genstacekeri, notes, (39) 853. Dichloramin-T—eve also Chloramin-T, Dakin's solution, and Hypochlorite. and petrolatum dressing for burns, (40) 883. antiseptic value and use, (40) 181, 182, 284. composition and use, (38) 782. for ocular infections, (39) 185. notes, (40) 882, 883	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didnium, resistance to potassium cyanid, (40) 455. Didynium, resistance to potassium cyanid, (40) 455. Didynium algripes, sexuality in, (38) 331. Didynosphaeria— coffeicola, notes, (38) 51. (Didymolla) alhaginis n.sp., description, (35) 344. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importance, (38) 288. life history and habits, (30) 754. Diet—eze also Food and Nutrition. adequate and conomical, (39) 163. adequate and conomical, (39) 163. adequate and inadequate, choice of by rats, (39) 770. amino acids and vitamins in, (32) 857. and body condition, relation to energy production, (37) 469; (39) 772. dietetic therapeutics, treatise, (35) 858. foods, textbook, (29) 360. hygiene in schools, treatise, (29) 363. nutrition, textbook, (30) 463. vitamin, quantitative relationship, (32) 163, 164. as affected by environment, (26) 465. as cause of inefficiency in school children, (32) 458. balancing, (33) 364. butterfat in, (39) 770.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 282. intermedius n.sp., description, (36) 280. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibotnricephalus latus— dissemination by flies, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, notes, (38) 565. clisiocampae, studics, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dibronoorthocresolsulfonphthalein, use in milk cultures genstacekeri, notes, (39) 853. Dichloramin-T—eve also Chloramin-T, Dakin's solution, and Hypochlorite. and petrolatum dressing for burns, (40) 883. antiseptic value and use, (40) 181, 182, 284. composition and use, (38) 782. for ocular infections, (39) 185. notes, (40) 882, 883	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didinium, resistance to potassium cyanid, (40) 455. Didynella applanota, notes, (34) 754. Didynella applanota, notes, (34) 55. Didymella applanota, notes, (34) 55. Didymella aplanota, notes, (38) 51. (Didymella) alhaginis n.sp., description, (35) 844. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Dietrammena marmorata— economic importance, (38) 258. life history and habits, (30) 754. Diet—see also Food and Nutrition. ndequate nnd economical, (39) 103. adequate and economical, (39) 103. adequate and economical, (39) 103. adequate and economical, (39) 187. and body condition, relation to energy production, (37) 468; (39) 772. dietetic therapeutics, treatise, (35) 858. foods, textbook, (29) 360. hygiene in schools, treatise, (29) 363. nutrition, textbook, (30) 463. vitamin, quantitative relationship, (32) 163, 164. sa affected by environment, (26) 465. sa cause of inefficiency in school children, (32) 458. balancing, (33) 364. butterfat in, (89) 770. calcium in, (31) 337, 860.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 282. intermedius n.sp., description, (36) 280. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibtothricephalus latus— dissemination by flies, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alialia weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, notes, (38) 565. clisiocampae, studies, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dicalcium phosphate— as affected by calcium carbonate, (26) 527. determination, (32) 409. utilization by oats and lupines, (31) 733. Dieasicus gerstaeckeri, notes, (29) 8:3. Dichloramin-T—see also Chloramin-T, Dakin's solution, and Hypochlorite. and petrolatum dressing for burns, (40) 883. antiseptic value and use, (40) 181, 182, 284. composition and use, (38) 782. for ocular infections, (39) 185. notes, (40) 882, 883. preparation, (38) 378. toxicity, (39) 886.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didnium, resistance to potassium cyanid, (40) 455. Didynium, resistance to potassium cyanid, (40) 455. Didynium algripes, sexuality in, (38) 331. Didynosphaeria— coffeicola, notes, (38) 51. (Didymolla) alhaginis n.sp., description, (35) 344. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importance, (38) 288. life history and habits, (30) 754. Diet—eze also Food and Nutrition. adequate and conomical, (39) 163. adequate and conomical, (39) 163. adequate and inadequate, choice of by rats, (39) 770. amino acids and vitamins in, (32) 857. and body condition, relation to energy production, (37) 469; (39) 772. dietetic therapeutics, treatise, (35) 858. foods, textbook, (29) 360. hygiene in schools, treatise, (29) 363. nutrition, textbook, (30) 463. vitamin, quantitative relationship, (32) 163, 164. as affected by environment, (26) 465. as cause of inefficiency in school children, (32) 458. balancing, (33) 364. butterfat in, (39) 770.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by files, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, notes, (38) 565. clisiocampae, studics, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dicalcium phosphate— as affected by calcium carbonate, (26) 527. determination, (32) 409. utilization by oats and lupines, (31) 733. Dicasticus gerstaeckeri, notes, (29) 8:33. Dichloramin——see also Chloramin—T, Dakin's solution, and Hypochlorite. and petrolatum dressing for burns, (40) 883. antiseptic value and use, (40) 181, 182, 284. composition and use, (40) 181, 182, 284. composition and use, (40) 181, 182, 264. composition and use, (40) 181, 182, 264. composition and use, (38) 782. Locality, (39) 886. Dichlorothylsulphid poloning, studies, (40) 382. Dichlorotis punctiferalis, habits and remedies, (29)	n.spp., descriptions, (37) 561. Dides fasciata— fuscipes, lite history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymium nigripes, sexuality in, (38) 331. Didymella applanata, notes, (34) 455. Didymella alhaginis n.sp., description, (35) 344. Diedrocephala coccines, notes, (27) 859. (Delis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importanes, (38) 258. life history and habits, (30) 764. Diet—see also Food and Nutrition. adequate and economical, (39) 163. adequate and inadequate, choice of by rats, (39) 770. amino acids and vitamins in, (32) 857. and body condition, relation to energy production, (37) 469; (39) 772. dietetic therapeutics, treatise, (35) 858. foods, textbook, (29) 360. hygiene in schools, treatise, (29) 363. nutrition, textbook, (30) 463. vitamin, quantitative relationship, (32) 163, 164. as affected by environment, (26) 465. as cause of inefficiency in school children, (32) 458. balancing, (33) 364. butterfat in, (39) 770. calcium in, (31) 357, 850. calcium-magnesium ratio in, (29) 565. cereals in, (40) 762. change, effect on carbon dioxid excretion of
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 282. intermedius n.sp., description, (36) 280. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibotnricephalus latus— dissemination by flies, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alialia weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, notes, (38) 565. clisiocampae, studies, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibromoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dibromoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dicalcium phosphate— as affected by calcium carbonate, (26) 527. determination, (32) 409. utilization by oats and lupines, (31) 733. Dicalcius gerstacekeri, notes, (29) 8:3. Dichloramin-T—see also Chloramin-T, Dakin's solution, and Hypochlorite. and petrolatum dressing for burns, (40) 883. antiseptic value and use, (40) 181, 182, 284. composition and use, (38) 782. for occular infections, (39) 185. notes, (40) 882, 883. preparation, (38) 878. toxicity, (39) 586. Dichlorethylsulphid poisoning, studies, (40) 382.	n.spp., descriptions, (37) 561. Didea fasciata— fuscipes, life history, (29) 456. notes, (36) 460. Didelphis marsuplalis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymium nigripes, sexuality in, (38) 331. Didymesphaeria— coffeicola, notes, (38) 51. (Didymella) alhaginis n.sp., description, (35) 344. Diedrocephala coccinea, notes, (27) 859. (Dielis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importance, (38) 288. life history and habits, (30) 764. Diet—see also Food and Nutrition. adequate and economical, (39) 163. adequate and inadequate, choice of by rats, (39) 770. amino acids and vitamins in, (32) 857. and body condition, relation to energy production, (37) 469; (39) 772. dietetic therapeutics, treatise, (35) 858. foods, textbook, (29) 360. hygiene in schools, treatise, (29) 363. nutrition, textbook, (30) 465. vitamin, quantitative relationship, (32) 468. as affected by environment, (26) 465. as cause of inefficiency in school children, (32) 458. balancing, (33) 364. butterfat in, (39) 770. calcium in, (31) 357, 860. calcium-magnesium ratio in, (29) 565. cereals in, (40) 762. change, effect on carbon dioxid excretion of nursing infants, (31) 662.
Disulinus— begini n.sp., description, (30) 59. begini, notes, (29) 857. insularis n.sp., description, (35) 262. intermedius n.sp., description, (36) 260. spp., notes, (31) 153. websteri n.sp., description, (30) 59. Dibenzoylglucoxylose, notes, (32) 502. Dibothriocephalus latus— dissemination by files, (30) 659. from the dog, (39) 791. life cycle, (38) 783. Dibrachoides (Pteromalus) dynaster, parasitic on alfalfa weevil, (31) 61. Dibrachys— australia n.sp., description, (38) 768. boncheanus, notes, (26) 151; (27) 558. clisiocampae, notes, (38) 565. clisiocampae, studics, (40) 359. meteori n.sp., description, (31) 355. notes, (36) 556. parasite of granary weevil, (39) 468. spp., notes, (36) 655. Dibronoorthocresolsulfonphthalein, use in milk cultures, (37) 686. Dicalcium phosphate— as affected by calcium carbonate, (26) 527. determination, (32) 409. utilization by oats and lupines, (31) 733. Dicasticus gerstaeckeri, notes, (29) 8:33. Dichloramin——see also Chloramin—T, Dakin's solution, and Hypochlorite. and petrolatum dressing for burns, (40) 883. antiseptic value and use, (40) 181, 182, 284. composition and use, (40) 181, 182, 284. composition and use, (40) 181, 182, 264. composition and use, (40) 181, 182, 264. composition and use, (38) 782. Locality, (39) 886. Dichlorothylsulphid poloning, studies, (40) 382. Dichlorotis punctiferalis, habits and remedies, (29)	n.spp., descriptions, (37) 561. Dides fasciata— fuscipes, lite history, (29) 456. notes, (36) 460. Didelphis marsupialis particeps n.subsp., description, (37) 767. Didinium, resistance to potassium cyanid, (40) 455. Didymella applanata, notes, (34) 754. Didymella applanata, notes, (34) 55. Didymium nigripes, sexuality in, (38) 331. Didymella applanata, notes, (34) 455. Didymella alhaginis n.sp., description, (35) 344. Diedrocephala coccines, notes, (27) 859. (Delis) Campsomeris dorsata, notes, (34) 455. Diestrammena marmorata— economic importanes, (38) 258. life history and habits, (30) 764. Diet—see also Food and Nutrition. adequate and economical, (39) 163. adequate and inadequate, choice of by rats, (39) 770. amino acids and vitamins in, (32) 857. and body condition, relation to energy production, (37) 469; (39) 772. dietetic therapeutics, treatise, (35) 858. foods, textbook, (29) 360. hygiene in schools, treatise, (29) 363. nutrition, textbook, (30) 463. vitamin, quantitative relationship, (32) 163, 164. as affected by environment, (26) 465. as cause of inefficiency in school children, (32) 458. balancing, (33) 364. butterfat in, (39) 770. calcium in, (31) 357, 850. calcium-magnesium ratio in, (29) 565. cereals in, (40) 762. change, effect on carbon dioxid excretion of

Diet-Continued.	Diet-Continued.
daily, notes, (31) 861. deficiencies, correction, (36) 161; (38) 367.	of cafeteria patrons, (38) 366. cartridge factory employees of Vincennes,
deficiency diseases—see also Beriberi, Rickets,	(31) 760.
Scurvy, etc. bibliography, (36) 663.	children, (37) 671; (39) 66, 282, 472, 772, 876. Eskimos, (31) 260.
bibliography, (36) 663. notes, (38) 267, 568.	families in District of Columbia, (38) 769.
review of investigations, (36) 363. deficiency, relation to animal diseases, (29) 66.	French army, (33) 165. herdsmen in higher Alps, (33) 662.
during growth, essential factors in, (34) 368. economical, description, (36) 363.	Italian Army, (40) 560. Italian Navy, (40) 561.
effect on—	Italian peasants, (26) 358; (27) 464.
blood sugar, (34) 562. cholesterol content of tissues, (33) 754.	Japanese, (26) 763. laborers in Glasgow, (29) 464; (38) 267; (40)
disease resistance, (31) 464.	362.
elimination of creatin and creatinin, (35)	laborers in Spain, (29) 365; (32) 562. munition workers in England, (38) 267; (40)
energy elimination in man, (27) 869. feces, (40) 477. growth, (29) 164; (32) 256.	865. negro mothers in New York, (39) 568.
growth, (29) 164; (32) 256.	prisoners in India, (27) 270.
growth of the brain, (34) 662. heat production during mechanical work,	prisoners of war in Germany, (39) 66. rural population in Germany, (26) 157.
(37) 671.	Saliors, (32) 358.
intestinal flora, (36) 664, 665. nitrogen and chlorin content of perspira-	school children (31) 494; (35) 558. self-supporting families in New York, (39) 67
tion, (34) 662. nitrogen elimination, (30) 864.	soldiers in training camps, (40) 68. southern wage-earners' families, (34) 259.
organs of digestive tract, (31) 859. protein retention, (35) 765.	Swedish persons, (26) 157.
reproduction in albino rats, (38) 770.	Swiss working men, (31) 661. the masses, economic effects, (31) 462.
secretion of digestive ferments, (32) 256.	Trappist monks, (26) 868. working class, "man value," (40) 174. working men, (32) 857.
secretion of urine in infants, (34) 763. the teeth, (35) 767.	working men, (32) 857.
thyroid glands, (26) 159.	working women in Boston, (38) 64.
toxicity of sodium tartrate, (40) 285. toxicity of tartrate, citrate, and oxalate,	young children, (35) 664. one-sided, effects of, (31) 361.
(40) 465. energy content of, (35) 269.	one-sided, effects of, (31) 361. planning, (28) 863; (40) 463. poor in calcium, effect, (38) 570.
essential factors in, (35) 472.	prenatal, summary of data, (31) 403.
excessive— carbohydrate, effects of, (31) 361.	preparation, (27) 365. principles of, (32) 659.
effects, (26) 262. fat, notes, (28) 663.	protective action against drugs and poisons, (40) 465.
fat-deficient, effect on growth of white mice, (36) 366.	protein and carbohydrates in, (32) 857.
mice, (36) 366. fats in, significance, (40) 170.	qualitatively insufficient, studies, (32) 561. rational apportionment during 24-hour cycle,
fat-soluble and water-soluble accessories, (35)	(33) 484.
563. for an orphanage, (33) 365; (34) 462.	reduced, effects, (39) 567; (40) 269, 561. relation between mineral elements and protein
for an orphanage, (33) 365; (34) 462, for nursing mothers, (38) 167, for noor people, (33) 462	content, (29) 64. relation to—
for school children, (33) 261.	beriberi, (28) 764; (29) 180; (31) 857; (33) 261;
for poor people, (33) 462. for school children, (33) 261. from vegetable sources, (37) 264. handbook, (26) 262; (27) 269.	(36) 264. blood cholesterol and "lymphoid defense,"
importance of navors, spices, etc., (32) 104.	(40) 767. disease, (30) 367, 764.
in cotton mill villages in the South, (36) 465. Germany, (26) 358.	diseases, (26) 264; (38) 267
Germany, (20) 358. Germany, (20) 358. health and disease, treatise, (30) 259. home for incurables, Toronto, (40) 560. house of industry, Toronto, (40) 560. India, effect on physical development, (27)	glycogen content of liver, (37) 64. growth and body composition, (36) 663.
house of industry, Toronto, (40) 560.	intestinal flora, (40) 867. pellagra, (26) 263; (32) 255, 564; (34) 258, 259, 764; (35) 767; (36) 464, 466; (38) 368; (39) 70,
270.	764; (35) 767; (36) 464, 466; (38) 366; (39) 70,
internment camp at Ruhleben, (35) 559. Kansas State Penitentiary, (36) 663.	266, 665, 666. polyneuritis, (27) 868.
muitary nospitals, (40) 866.	rickets, (29) 464. scurvy, (27) 567; (39) 365, 770, 771.
Scandinavia and Russia, (26) 158. schools, report on, (31) 261.	schryy, (27) 557; (39) 355, 770, 771. skin diseases, (31) 463.
schools, roport on, (31) 261. the Tropics, (30) 280. typhoid fever, (32) 584. war time, (40) 173.	transmissible tumors in rats and mice, (30)
war time, (40) 173.	restricted—
inexpensive, notes, (31) 360. limited, effects of, (31) 264.	deficiencies of, (35) 368, 861. vegetable, effect on nervous system, (35)
iipoid-iree, relation to beriberi and scurvy, (31)	560.
761. lists, compilation, (37) 469.	rôle of vitamins in, (38) 568. social service in dispensary work, (30) 167.
low protein— perils of, (28) 567.	200 (00) Hand County County County
review of literature, (33) 68.	sundards for hard work, (39) 297. summary and digest of data, (37) 571. treatise, (29) 287, 661; (32) 561; (40) 68, 173, 361, 561, 865, 866.
treatise, (31) 263.	561, 865, 866. types of, merits, (31) 462.
mineral content, (30) 168; (34) 563. minimum nitrogen content, (28) 261.	unbalanced, studies, (33) 68, 664.
mixed, importance of, (30) 168. modern theories, (30) 764.	uric-acid-free, treatise, (31) 361. value of milk and vegetables in, (40) 359.
of Alaskan Eskimos, (32) 358.	value of milk in, (40) 179.
of Alaskan Eskimos, (32) 358. armies, (40) 362, 560. Belgian Kongo natives, (31) 557.	value of seasoning in, (29) 663. vegetable, effect on growth and reproduction,
British and Indian troops in relation to dis-	(35) 563. vegetable, harmful effect, (33) 867.
ease, (40) 564. 52821—261—14	1 ABORROLD WATER ANDON (DA) OO.

Diet-Continued.	Digestion—Continued.
vegetables in, as source of calcium, (39) 876.	rôle of spleen in (31) 361
vegetarian—	salivary, in horses, (37) 681, 771.
effect on reproduction in rats, (39) 672.	salivary, in horses, (37) 681, 771. salivary, in vitro, (35) 468. specific parenteral, (38) 580.
notes, (36) 467.	specific parenteral, (38) 580.
of Japanese monks, (30) 863.	studies, first American report, (40) 869.
studies, (36) 60, 664.	Digestive—
vitamin-free, effect on—	ferments, assay of, (27) 108.
carbohydrate metabolism, (32) 257. growth of chickens, (30) 865.	leucocytosis, studies, (40) 71.
war-ration, in England, (38) 167.	tract as affected by diet, (31) 859; (32) 265, 366, 367.
Dietaries—	tract, periodic work of, (29) 465.
accessory factors in, (28) 260.	Digitalis—
calculation, (38) 366.	action in pneumonia, (37) 375.
for institutions, (40) 866.	as affected by composition of soils, (34) 18.
for institutions, (40) 866. for Poor Law Unions in England and Wales,	improvement by selection, (32) 143.
(30) 167.	leaf spot, notes, (36) 145.
review of investigations, (30) 560.	purpurea-
statistics, (32) 163; (40) 362.	agglutinating properties, (31) 774.
treatise, (40) 68.	assimilation of mineral salts by, (34) 135.
Dietary—	behavior on lime soils, (31) 425. breeding experiments, (30) 631.
changes, effect on output of urinary constitu-	breeding experiments, (30) 631.
ents, (36) 162.	species hybrids of, (28) 229.
computer, (40) 659. diseases, nature of active agents, (40) 465.	Digitaria—
factors, isolation, (36) 61.	didactyla, tests, (38) 828.
family, planning, (31) 394	horizontalis, analyses, (36) 334. horizontalis, studies, (38) 66.
family, planning, (31) 394. for hospitals for insane, (40) 866.	sanguinalis, eradication, (27) 733.
for miners, (40) 362.	spp., notes, (26) 361.
for poor families, (26) 762.	Digits, supernumerary, in ungulates, (27) 369.
importance in higher education, (29) 464.	Digits, supernumerary, in ungulates, (27) 369. Diglycylgivcin, anaphylaxis produced by, (35) 280.
of a 99-year-old man, (31) 360. of Filipino families, (35) 471.	Digonochaeta setipennis, studies, (39) 658.
of Filipino families, (35) 471.	Dihydroxystearic acid—
of laborers in Spain, (35) 471.	effect on action of fertilizers, (27) 520.
properties of the pea, (40) 762.	effect on plants, (34) 126, 325; (36) 212. Dika fat, detection, (29) 613.
properties of the potato, (40) 172.	Dika fat, detection, (29) 613.
qualities of barley, (39) 666. ration tables, use, (29) 463.	Dikes, see Levees.
ration tables, use, (29) 463.	Dilatometer—
standards, discussion, (26) 562.	description, (39) 18.
studies, (29) 861. studies—	method for wilting coefficient, (40) 22.
at New York City Municipal Sanatorium,	Dilophia graminis—
(35) 471.	in England and Wales, (35) 650.
at Peoria State Hospital, (28) 663.	notes, (27) 351; (37) 247.
at Rhode Island State College, (26) 762.	Dilophonota ello, notes, (28) 354, 854; (30) 853; (38) 261.
in Bengal, (28) 567. cities, (38) 63. Paris, (29) 463.	Dilophosphora graminis on wheat, (37) 247.
cities, (38) 63.	Dimeromyces n.spp., descriptions, (27) 460.
Paris. (29) 463.	Dimerosporium mangiferum, notes, (37) 839.
Rhine provinces, (28) 663.	Dimethylanilin, insecticidal and larvicidal value,
Stockholm, (28) 662,	(34) 359.
Syria, (27) 665. review of, (30) 364.	Dimorphism in chrysanthemums, (28) 541.
review of, (30) 364.	Dimorphopteryx spp., notes, (35) 263.
WILL HEL, (27) 606.	Dimorphopteryx spp., notes, (35) 263. Dindymus versicolor, notes, (27) 858; (40) 753.
substances, regulatory—	Dineutes, predactous on mosquito larvae, (36) 57.
distribution in plants, (36) 61.	Dining room service, public, in United States, (38)
formation in the animal body, (36) 62.	769.
tables, data on, (35) 765.	Dinocampus—
Dietetics— calculating energy values in, (29) 166.	americanus, two generations from individual
clinical, and nutrition, (39) 567.	host, (35) 661.
essentials in. (37) 164.	terminatus, biology, (30) 754.
fundamental principles, (40) 865.	Dinocleus spp., notes, (30) 357. Dinoderus brevis, notes, (20) 458.
essentials in, (37) 164. fundamental principles, (40) 865. handbook, (26) 658; (28) 257. history, (31) 557; (32) 66.	Dinurothrips hookeri, n.g. and n.sp., description
history, (31) 557; (32) 66.	(30) 658.
in Italian tenements, (31) 360.	Dioctes obliteratus, notes, (28) 454.
invalid, notes, (27) 464.	Dioctophyme renale in—
review of investigations, (30) 364, 463.	abdominal cavity, (37) 281.
teaching, (35) 898.	abdominal cavity, (37) 281. liver of a dog, (36) 681.
teaching, (35) 898. treatise, (29) 163; (31) 859; (40) 561.	United States and Canada, (36) 86, 885.
Dienich, I., Diegraphical sketch, (68) 800.	Dionaea, leaf closure in, (36) 129.
Digestibility of fat, relation to melting point, (26)	Dionea timberlakei, n.sp., description (31) 456.
159.	Dionychus parallelogramus, notes, (33) 658.
acid medium for, (36) 763.	Dioryctria-
apparatus, description, (37) 503; (40) 410.	abietella, notes, (31) 849; (36) 856.
as affected by—	schützcella, notes, (34) 855.
coloring substances, (26) 68.	Diorymellus laevimargo—
saccharin, (26) 257.	n.sp., description, (36) 555.
sterilization of air, food, and surroundings,	notes, (40) 754.
(28) 569.	Dioscorea—
sugar, (29) 663.	notes, (31) 334.
crate for pigs, description, (37) 678.	spp., analyses, (27) 268.
effect of emotions on, (33) 566.	spp., descriptions, (40) 637.
experiments, see specific foods and animals.	studies, (40) 557.
mechanical factors in, (31) 865.	treatise, (33) 437. Diosphyrus vulgaris, notes, (27) 862.
products, methods of examining, (29) 408.	
products, passage from mother to fetus, (29) 665.	Diospilus—
relation to protein metabolism, (26) 764.	neodyti n.sp., description, (38) 165.
review of investigations, (30) 364, 560; (31) 265.	polydrusi n.sp., description, (37) 359.

Diospyros-	Diplogaster—
kaki— as affected by pollination (31) 440.	aerivora, studies, (40) 267.
classification, (31) 639.	n.spp., life history and habits, (35) 161. Diplopoda of Kansas, (30) 759.
leaf coloration, (36) 633. virginiana, seedless fruits of, (32) 142.	Diplosis—
Dioxydiamidoarsenobenzol-	pyrivora, notes, (30) 655. sorghicola, see Contarinia sorghicola.
detection (26) 411.	tritici—see also Thecodiplosis mosellana.
for equine influenza, (26) 288. Dipachystigma cushmani n.sp., description, (26) 63.	notes, (27) 453. Diplospora bigemina in dogs, (39) 392.
Dipalmitylstearin in lard, (32) 801.	Diplotaxis— atlantis, notes, (35) 54.
Diparopsis castanea, control, (40) 256. Diphachne fusca, analyses and digestibility, (32)	excavata, notes, (38) 762.
167. Diphosphate, fertilizing value, (37) 323.	Dipping— agents, effect on wool, (30) 584.
Diphtheria—	agents, tests, (27) 476.
antitoxin, valuation, (26) 676.	fluids, oxidation, (38) 585. fluids, wetting power of, (35) 356.
avian, (39) 687. avian, virus of, (31) 88.	tanks—
bacilli—	construction, (29) 87, 585; (30) 487, 778, 893; (31) 786; (36) 687.
disinfectants for, (40) 478. in birds, (34) 83.	control of fluid in, (31) 776, for sheep, description, (30) 783.
stain for, (39) 286.	formation of arsenate in. (31) 483.
human and avian, relation, (26) 177; (32) 271. immunization, (35) 574; (39) 388; (40) 179.	theory and practice, (34) 186. vat, circular, description, (26) 485.
in fowls, studies, (35) 283. milk as source of infection, (40) 79.	vat for cattle, construction, (26) 382.
of suckling pigs, notes, (27) 483.	vats, concrete, construction, (27) 89; (32) 251.
outbreak, of bovine origin, (26) 883. serodiagnosis, (31) 877.	vats, construction, (28) 181; (29) 585; (33) 680, 691; (34) 479; (37) 477.
toxin-antitoxin mixtures, immunization with,	Diprion—see also Neodiprion.
(40) 580. toxin, studies, (34) 579; (38) 886.	grandis n.sp., description, (30) 60. simile, notes, (34) 363; (35) 54, 760; (37) 255, 261,
Diphtheroid bacillus in horses and calves, (34) 186.	568; (40) 754. simile, review of investigations, (39) 760.
Diplachne fusca, notes, (26) 461. Diplazon laetatorius, parasitism, (31) 458.	spp. in Europe, (35) 760.
Diplobacillus capsulatus, notes, (32) 178.	Diprioninae, new species, (40) 761.
Diplocarpon rosae—	Dips— arsenical—
control, (40) 159, 751. notes, (26) 650; (29) 552.	methods of analysis, (31) 115.
studies, (33) 347.	oxidation of, (31) 776. preparation and use, (31) 776.
güntheri, notes, (28) 777.	effect on animals, (29) 585. effect on wool. (33) 571. soda-sulphur, methods of analysis, (40) 208.
lymantriae parasitizing gipsy moth. (38) 159.	soda-sulphur, methods of analysis, (40) 208.
melolonthae, studies, (38) 162. pneumoenteritis equi, notes, (28) 483.	Dipsacus fullonum, description and culture, (29)
spp., organism resembling, (26) 376.	Diptera—
(Streptococcus) lanceolatus, notes, (26) 586. Diplocystis schneideri, chromosome cycle, (34) 458.	attraction to ammonia, (36) 460.
Diplodia-	blood-sucking— mouth parts and sucking apparatus, (29)
bataticola, studies, (39) 854. cacaoicola, notes, (33) 449; (37) 349; (39) 53; (40)	760.
157.	of Brazil, (29) 54. of British Columbia, (32) 551.
coffeicola, notes, (38) 51. crebra n.sp., notes, (37) 148.	of Venezuela, (27) 862. classification, (36) 255; (38) 161.
crebra n.sp., notes, (37) 148. gossypina, notes, (28) 647.	coprophagous, biology, (29) 760. head capsule and mouth parts, (37) 159.
griffoni, relation to apple sour sap, (38) 452. inoculation experiments, (29) 248.	head capsule and mouth parts, (37) 159. larvae, biology, (36) 359.
longispora, notes, (30) 453.	larvae, entomophagous, studies, (30) 458.
maydis, notes, (34) 242. natalensis—	leaf-mining, ichneumon parasites of, (29) 359. new North American, (36) 553.
life history and treatment, (28) 245. notes, (27) 350, 750; (31) 152; (33) 549; (34)	of Denmark, (38) 263. District of Columbia, (37) 57.
446.	Florida, (30) 752.
on citrus, (32) 346; (35) 748. relation to citrus gummosis, (29) 247; (37)	Florida, (30) 752. North America, biology, (32) 153; (40) 653 Philippines, (38) 466.
656.	Philippines, (38) 466. West Indies, (34) 65.
studies, (39) 152. on tea roots, (37) 52.	parasitic and predacious in New Mexico, (35) 259.
palmicola, notes, (34) 242. pinea, notes, (27) 548; (34) 242. sp. affecting coconuts, (30) 652.	parasitic, of Africa, (36) 359; (38) 263. photographic atlas, (34) 654.
sp. affecting coconuts, (30) 652.	photographic atlas, (34) 654. photography of, (26) 252.
sp., injurious to rupper, (26) 451.	photography of, (26) 252. viviparous, (38) 261.
sp. on citrus fruit, (39) 56. sp. on Hevea stumps, (35) 243.	Dipterocarp forests in Philippines, (33) 443. Dipterous larvae—
sp. on limes, (34) 750.	and pupae, notes, (36) 460. structure, (26) 558.
sp. on Herva stumps, (35) 243. sp. on limes, (34) 750. sp., studies, (28) 240. spp., notes, (29) 548; (34) 247; (35) 750. tubericola, studies, (34) 156; (40) 347. zeae, notes, (26) 447. zeae, studies (26) 447.	Dipylidium caninum—
undericola, studies, (34) 156; (40) 347. 2686, notes, (26) 447.	dissemination by flies, (30) 659. in an infant, (36) 660.
zeae, studies, (36) 48, 247; (39) 149. Diplodiella, nonvalidity of genus, (24) 242.	life history, (37) 163.
Diplodiella, nonvalidity of genus, (?4) 242. Diplodina—	Dirhinus— giffardi, parasitic on fruit flies, (31) 456.
cacaoicola, notes, (26) 851.	inflexus n.sp., from Glossina, (39) 566.
castaneae, studies, (28) 240. degenerans, n.sp., notes, (37) 148.	Dirohya (Nitocris) princeps, notes, (31) 61; (32) 847.
Diplodinium ecaudatum, morphology and new	Dirt, determination in milk, (26) 507; (27) 816; (28) 808; (30) 876; (31) 574.
forms of, (32) 376.	Dirt test for butter, (31) 575.

Disaccharids—	Disinfection—Continued.
absorption in the intestines, (28) 763.	physical chemistry of, (35) 879. theory, (26) 173; (27) 679.
enzymatic synthesis, (34) 803. resorption in small intestine, (29) 268.	theory, (26) 173; (27) 679.
resorption in small intestine, (29) 268.	Disking experiments, (40) 733.
Discocolla pirina, notes, (26) 449.	Disodium phosphate—
Discosia theae, notes, (38) 51. Discothecium bakeri n.g. and n.sp., notes, (37) 148.	assimilation by ruminants, (31) 71. effect on carnations, (36) 446.
Disease resistance as affected by diet, (31) 464.	importance in the animal organism, (33) 758.
Diseases—	Disonycha—
air-boine, relation to ventilation, (34) 192.	spp., notes, (29) 456, 761.
and insects, paper on, (32) 151.	triangularis, destruction by white fungus, (26)
and insects, paper on, (32) 151. and malnutrition, correlation, (32) 358.	454.
blollography, (26) 246; (29) 652.	varicornis, notes, (28) 451.
caused by nematodes, treatment, (32) 578.	Dispensaries, diet social service in, (30) 167.
deficiency, see Diet deficiency diseases. effect on metabolism, (32) 563.	Dispensatory of the United States, (39) 884.
infectious—	Dispharagus spp. parasitic in fowls, (31) 184. Disphinctus sp., notes, (29) 853.
control, (26) 373.	Dissosteira—
immunization, (31) 576.	carolina, notes, (36) 153.
serodiagnosis, (31) 877.	longipennis, notes, (34) 159.
vaccine treatment, (35) 486.	Distemper—see also Dog distemper.
insect-borne, in Pan-America, (34) 754.	relation to poliomyelitis, (39) 186.
insect-borne, notes, (38) 558, 580.	symptoms, prophylaxis, and treatment, (27)
microbiology of, (26) 372. milk-borne, control, (33) 701.	187. Distillation—
mosquito-borne, textbook, (33) 156.	colloidal bags or containers in, (37) 409.
nonsyphilitic, use of salvarsan in, (31) 775.	under diminished pressure, apparatus, (38) 309.
notes, (30) 249.	Distilleries, fermentation processes in, (29) 509.
of animals, see Animal diseases and specific	Distillars' orning
diseases.	analyses, (26) 72; (27) 570, 670; (29) 367, 769; (30) 868; (31) 73, 188 467, 564; (32) 465; (33) 371, 769; (36) 167, 765; (37) 471; (38) 369, 665; (39) 270, 773; (40) 72, 571. sh analyses, (29) 861. digestibility, (39) 171.
of plants, see Plant diseases and specific host	(30) 868; (31) 73, 168 467, 564; (32) 465; (33) 371,
plants. relation to—	759; (30) 107, 705; (37) 471; (38) 309, 000; (39)
diet (30) 387 784	nsh analyses (29) 861.
insects, (27) 862.	digestibility, (39) 171.
milk supply, (28) 674.	dried-
protein split products, (30) 379.	
transmission by—	analyses, (26) 165, 568, 665; (27) 68, 170, 774,
bedbugs, (31) 550. blood-sucking insects, (28) 57, 756. files, (30) 254, 552, 658, 756; (31) 551, 852; (36) 460.	872; (28) 265, 364, 464, 465, 669; (29) 270,
01000-SUCKING INSECTS, (28) 07, 700.	000, 709; (80) 67, 08, 109, 808; (31) 73, 470,
(36) 460	72 160 263 371 467 566 665 767 (35)
insects, (26) 760; (29) 756; (30) 455, 546; (32)	373, 374, 562, 867; (36) 268, 667, 765; (37)
552. 846	268, 767; (38) 67, 368, 369; (39) 167, 270, 278,
invertebrates, (30) 249. parasites, (26) 658. sewage irrigation, (31) 417.	amino acid in, (83) 685. analyses, (26) 165, 568, 665; (27) 68, 170, 774, 872; (28) 265, 364, 464, 465, 669; (29) 270, 666, 769; (30) 67, 08, 169, 868; (31) 73, 470, 668, (32) 169, 259, 667; (33) 71, 371, 568; (34) 72, 169, 268, 371, 467, 566, 665, 767; (35) 373, 374, 562, 867; (36) 268, 667, 705; (37) 268, 767; (38) 67, 368, 369; (39) 167, 270, 278, 370; (40) 470, 665. distribution of nitrogen in, (36) 269.
parasites, (26) 658.	distribution of nitrogen in, (36) 269.
sewage irrigation, (31) 417.	feeding value, (26) 72.
shellfish, (30) 368. treatment with enzyms, (31) 607.	feeding value, (26) 72. for pigs, (33) 73; (34) 665. screenings in, (29) 271.
tropical, in Philippines, report, (27) 66.	for milk production, (36) 872; (40) 572.
Dishes, paper, bacteriology, (32) 856.	protein for milk production, (36) 671.
Disinfectant—	Distillery—
new, (39) 80.	by-products, analyses, (39) 270.
testing machine, (39) 680.	pulp, fermenting with lacto-pulp, (27) 170.
Disinfectants—	slop
action of, (29) 802.	analyses, (26) 266, 267, 363, 770; (27) 872;
and heat, combined action on soils, (31) 620 as stimulators of growth, (31) 178.	(31) 766.
bactericidal properties, (34) 675.	composition and digestibility, (27) 669.
bacteriological—	digestibility, (28) 464; (32) 168. dried, analyses, (32) 862; (33) 759. dried, methods of analysis, (29) 311.
examination, (37) 711.	dried, methods of analysis, (29) 311.
standardization, (29) 803.	drying, (27) 669.
testing, (40) 780.	effect on composition of milk, (29) 374, 776.
chlorin-containing, (40) 181. cinchona alkaloid, (40) 478.	effect on quality of milk, (26) 370; (29) 579.
common, (39) 185.	for hogs, (34) 666.
culture media for testing, (35) 279.	for sheep, (30) 671. vinasse, fertilizing value, (38) 515.
determination of antiseptic power, (32) 509.	
determination of toxicity, (31) 178.	Distilling—
effect on—	apparatus, descriptions, (40) 709, 806. head, description, (38) 10.
germination of grain, (31) 824.	Distoma tricolor, notes, (35) 684.
germination of seeds, (26) 820.	Distomes in intestines of dogs, (30) 785.
moor soils, (35) 724. examination, (26) 481.	Distomiasis in sheep, treatment, (29) 676
gormicidal rolus determination (98) 990	Distomum lanceolatum—
injuries to seeds and roots by, (32) 647.	life history, (26) 286.
international test for, (29) 802.	life history, (26) 286. notes, (28) 257.
methods of examining, (40) 84.	Distributor, automatic, for Dakin's solution, (40)
new, (38) 782. notes, (29) 77.	12.
nametrating names determination (98) 900	Ditches—see also Drainage and Irrigation. blasting, (35) 789. cleaning, (32) 589.
phenol coefficients, (32) 521	cleaning (32) 580
so-called, notes, (29) 866.	cost of excavating, (32) 481, 884.
standardization, (32) 80; (33) 176; (36) 379.	determination of center, (31) 588.
penetrating power, determination, (26) 289. phenol coefficients, (38) 581. so-called, notes, (29) 866. standardization, (32) 80; (33) 176; (36) 379. tests, (34) 780; (35) 179.	determining flow in, (27) 188.
Distillection.	digging with explosives, (31) 590; (32) 589.
alcohol, theory and practice, (40) 581.	gate structures for, (31) 782.
discussion, (26) 481.	machines for cleaning (24) 190
gaseous, treatise, (26) 173. notes, (32) 456.	ceaning, (32) 589. cost of excavating, (32) 481, 884. determination of center, (31) 588. determining flow in, (27) 188. digging with explosives, (31) 590; (32) 580. gate structures for, (31) 782. laws in Indiana, (35) 787. machines for cleaning, (34) 189. small lined, construction, (36) 282.

Ditching—	Dogs-Continued.
by horsepower, (27) 586. machine, description, (27) 792.	foot-and-mouth disease affecting, (33) 180.
with dynamite, (36) 89.	growth of, (30) 467. host of spotted fever tick, (26) 64.
Ditropinotus flavicoxus n. sp., description, (27) 60.	hypophysectomized, metabolism in, (26) 766.
Dittany, ice fringes on, (32) 221. Diuresis—	immunization against— distantor (26) 787
effect on milk secretion, (32) 74.	distemper, (26) 787. rabies, (30) 282; (31) 880.
pituitary factor in, (34) 75. relation to milk flow, (34) 570.	tuberculosis, (26) 85.
Diversinervus silverstru n.sp., description, (37) 162.	inbreeding and line-breeding in, (32) 466. intestinal flukes, (39) 791.
Divining rod—	intestinal parasitism, complement fixation in,
history of, (36) 886. tests, (33) 882; (39) 17. use, (37) 807.	(34) 682.
use, (37) 807.	(32) 062. measurements of skeleton, (28) 667. measurements of skull and head, (28) 767. metabolism experiments, (26) 262, 468; (23) 67, 261, 568, 866, 867, 876; (29) 165, 567; (30) 64, 261, 465, 669; (31) 464; (33) 754, 755. morphology of blood, (28) 777. nemitade eve parsites of, (30) 279.
Diali bras as food, (40) 658. Doassansia spp., life history and cytology, (26) 341.	metabolism experiments, (26) 262, 468; (28) 67,
Dociostaurus (Stauronotus) maroccanus, notes,	261, 465, 669; (31) 464; (33) 754, 755,
(27) 757. Dock—	morphology of blood, (28) 777.
false worm as an apple pest, (36) 461.	nitrate of soda for. (31) 265
fly, breeding experiments, (36) 658.	paralysis in, (26) 185. parasites and diseases of, treatise, (31) 586. parasites of, (37) 483; (39) 791, 892.
sawfly, notes, (38) 156, 358. Dockage—	parasites and diseases of, treatise, (31) 586.
in marketing wheat, (38) 840.	parathyroid glands of, (29) 377.
on wheat, computing, (38) 694. Dodder—	pointer, coat color in, (31) 865.
as affected by chemicals, (27) 28.	pyocyaneus infection in, (26) 280. recurrence of oestrus in, (26) 671.
clover, germination of seed, (34) 155.	relation to tapeworms in sneep, (29) 887.
destruction by calcium cyanamid, (29) 561 eradication, (31) 532, 835; (35) 835.	reproductive organs, (27) 369.
eradication, (31) 532, 835; (35) 835. in West Indies, (40) 155. on alfalfa, (35) 656; (40) 536.	sheep, parasitism, (27) 52. susceptibility to pneumonic plague, (28) 180.
on alfalia, (35) 656; (40) 536. seed, anatomical determination, (36) 442.	tick paralysis in, (30) 182.
seed, removal from clover seed, (36) 339.	treatise, (37) 769. viability of cysticerci in, (29) 482.
studies, (27) 342.	Dogwood-
Dog— days, paper on, (27) 816.	analyses, (38) 309. twig girdler, notes, (28) 156.
diseases—	Dohrniphora venusta, studies, (40) 653.
etiology and vaccination, (34) 575.	Dolichoderus bituberculatus, studies, (39) 156. Dolichos—
handbook, (37) 778. in British East Africa, (30) 576.	analyses, (40) 557.
treatise, (36) 183.	biflorus, analyses, (38) 368.
distemper— and poliomyelitis, relationship, (30) 781.	biflorus, notes, (30) 233. hosei, notes, (31) 631.
bacterin, use, (30) 180. cause, (27) 782; (29) 682. immunization, (26) 787.	lablab—
eause, (27) 782; (29) 682.	analyses, (27) 68; (38) 368.
Danars on. (33) 176.	analyses and digestibility, (28) 464. culture, (32) 226.
skin reactions in, (36) 381, 382. studies, (27) 187; (28) 682. treatment, (26) 578; (27) 181; (28) 185; (31) 373; (32) 84; (37) 584.	CHILD'S AND CHAPACLERISLICS, (A4) 4AD.
treatment, (26) 578; (27) 181; (28) 185; (31)	culture experiments, (32) 227; (38) 336. culture in Egypt. (34) 232.
378; (32) 84; (37) 584.	culture in Egypt, (34) 232. description, (30) 828.
fairs and exhibitions in United States, (28) 796. flea, see Ctenocephalus spp. and Fleas.	hay, digestibility and productive value, (37) 865.
medicine and surgery, treatise, (32) 783.	nodule formation, (38) 528. oil content of seed, (27) 717.
problem in farm States, (31) 868. rose leaves, formaldehyde in, (29) 308.	oil content of seed, (27) 717. spp., anatomical structure, (31) 314.
tick, brown, in Key West, (30) 554.	spp., notes, (26) 362.
tick, parasite of, (26) 863. Dogfish—	spp., notes, (26) 362. weevil in Hawaiian Islands, (40) 206.
fertilizer and oil from, (32) 424.	Dolichurus—
food value, (37) 63.	greenei n.sp., description, (37) 569. stantoni in Hawaii, (40) 854.
liver oil, analyses, (39) 712. scrap, analyses, (27) 327; (32) 424. utilization, (32) 722.	Dolomite—
utilization, (32) 722.	deposits in Johnson Co., Tennessee, (35) 522. effect on plant growth, (35) 726. fertilizing value, (34) 133; (38) 124; (40) 815.
Dogs— Airedale, prepotency in, (29) 770.	fertilizing value, (34) 133; (38) 124; (40) 815.
anesthesia of, (35) 379.	Dolomitic medium, growth of sorrel in, (40) 40. Doloresia conjugata, studies, (36) 759.
as affected by heavy meat ingestion, (27) 167. as carriers of parasites and disease, (34) 280.	Domestic—
brains of, (31) 168.	art or science, see Home economics.
care and feeding, (28) 173.	economy schools in Wisconsin, (20) 193. hygiene, papers on, (30) 763.
cattle and sheep, notes, (27) 471. cestode parasites, (39) 791.	Donaciinae, catalogue, (30) 458.
color inheritance in, (40) 870.	Donkeys-
composition of milk, (40) 775. creatin and creatinin metabolism in, (26) 565.	breeding in Punjab, (30) 767.
destruction of sheep by, (32) 866.	immunization against anthrax, (28) 778. Somaliland wild, hybrid, notes, (26) 269.
destruction of sheep by, (32) 866. digestion experiments, (30) 865.	susceptibility to pneumonic plague, (28) 180.
digestion of cellulose by, (28) 363. disease of in Brazil, (35) 785.	Dorcacerus barbatus, notes, (30) 657. Doria concinnata, parasitic on grapevine sphinx,
dissemination of anthrax by, (28) 078.	(26) 250.
distribution of Piroplasma canis in, (28) 486. domestic, origin, (27) 72.	Dorycephalus platyrhynchus, notes, (27) 859. Doryphorophaga aberrans, n.sp., description, (30)
Eck-fistula, complement content, (36) 381.	255.
effect of exercise on internal organs, (28) 272.	Dosage tables, (33) 838. Dothichiza papulea—
factors affecting pulse rate, (28) 768. fasting studies, (27) 465. fluke parasites of, (30) 785.	in United States, (37) 354
fluke parasites of, (30) 785.	notes, (38) 147, 646.

	Desirers Continued
Dothidella— ulmea, notes, (27) 349; (30) 48, 248; (37) 253.	Drainage—Continued. districts, topographic surveying for, (32) 884.
vaccinicola n.sp., description, (37) 748.	ditches—
Dothiorella-	blasting, (32) 589; (34) 125; (35) 789. cleaning, (32) 589.
gregaria on walnuts, (34) 447.	construction, (27) 386; (33) 889.
quercina, notes, (27) 654; (30) 453. sp. on walnuts, (34) 56, 353.	construction and maintenance, (27) 586.
zeae n.sp., notes, (28) 100.	cost of excavating, (32) 481, 884. machinery for, (34) 583.
Dough— as affected by foreign starches, (26) 761.	spacing in meadows, (29) 331.
termentation cabinet for, (29) 263.	tables for level section, (31) 384.
iermentation cabinet for, (29) 263. materials, conservation, (36) 464.	economic value, (27) 586.
sour, fermentation, (29) 60. Douglas fir—	effect on— bacteria in peat soils, (38) 420.
as affected by mistletoe, (39) 57.	growth of elms, (28) 344. soil acidity, (40) 22. swamp soils (30) 120.
as affected by mistletoe, (39) 57. bark beetles, studies, (39) 65.	soil acidity, (40) 22.
beetles, notes, (26) 561; (32) 552. beetles, studies, (39) 65.	yield of sugar cane, (34) 586.
manna, analyses, (39) 802.	engineers, need of, (29) 182.
manna, analyses, (39) 802. mechanical and physical tests, (39) 246.	excavating machinery for, (34) 189.
Razouniofskya infection, (40) 253. region, logging in, (40) 152.	exercises in, (26) 392. experiments, (31) 589.
reproduction by wind-blown seed, (39) 750.	experiments in—
Rhizoctonia disease, (39) 554.	Belgium, (29) 785. India, (28) 684.
ots of, (40) 349. second-growth, source of seed, (38) 145.	Prussia. (29) 426.
Dourine-	Prussla, (29) 426. farm, notes, (30) 887; (33) 288; (38) 497, 591, 590;
and nagana, differentiation, (30) 580.	
diagnosis, (27) 81, 480, 783; (30) 83; (36) 179, 275, 82, 578.	in Argentina. (28) 399.
diagnosis—	California, (38) 288.
by complement fixation, (31) 382.	Canada, (27) 789.
by conglutination method, (38) 483. Wassermann's method, (26) 582.	Egypt. (30) 289: (35) 685: (37) 693.
eradication, (37) 477.	(39) 217. house, intercepting traps in, (28) 591. in Argentina, (28) 399. California, (38) 288. Canada, (27) 788. east Prussia, (31) 732. Egypt, (30) 289; (35) 685; (37) 693. Georgia, (26) 590, 788. Hawaii, (37) 384. India, (27) 19. Indiana, (31) 783.
immunity to, (29) 379.	Hawaii, (37) 384.
immunization, (32) 374.	Indiana. (31) 783.
horses, (26) 373; (27) 77; (37) 692.	Iowa, (34) 885.
horses, diagnosis, (34) 186, 385.	Indiana, (31) 783. Indiana, (31) 783. Iowa, (34) 885. Ituly, (34) 786. Java, British India, and Indo China, (31) 89.
horses in Brazil, (27) 884.	LOUISIBUR, (30) 289; (31) 180, 084; (38) 387;
immunity to, (29) 379. immunization, (32) 374. in European Russia, (29) 479. horses, (26) 373; (27) 77; (37) 692. horses, diagnosis, (34) 136, 385. horses in Brazil, (27) 884. horses, studies, (26) 88. Iowa, (38) 78. mlee, treatment, (31) 284. Nebraska, (32) 584. Northwest, (34) 185. Prussia, (27) 181. South Dakota, (40) 183. United States, (37) 274. western Canada, (31) 80. notes, (27) 378; (31) 79. outbreak in Saskatchewan, (36) 179. pathogenicity and treatment, (27) 284.	(39) 291. lower Mississippi Valley, (27) 189. Mentobe (33) 392
mice, treatment, (31) 284.	lower Mississippi Valley, (27) 189.
Nebraska, (32) 584.	Manitoba, (33) 392. Maryland, (32) 787. Minnesota, (35) 286, 580. Missouri, (26) 891; (33) 89. Nebraska, (29) 289; (33) 888. New South Wales, (26) 892; (27) 188; (29) 785. New Zcaland, (38) 690.
Prussia, (27) 181.	Minnesota, (35) 286, 580.
South Dakota, (40) 183.	Missouri, (26) 891; (33) 89.
United States, (37) 274.	New South Wales. (26) 892: (27) 188: (29) 785.
notes, (27) 378; (31) 79.	New Zealand, (38) 690.
outbreak in Saskatchewan, (36) 179.	New Zealand, (38) 690. North Carolina, (33) 780; (34) 585, 885. North Dakota, (28) 892; (29) 182; (33) 633 Nora Scotia, (38) 288. Ontario, (37) 385. Oregon, (35) 788; (36) 186, 385, 485. Oregon, Indu Day River valley. (36) 283.
pathogenicity and treatment, (27) 284. recurrence in United States, (27) 576.	Nova Scotia, (38) 288.
studies, (26) 881; (31) 177.	Ontario, (37) 385.
studies, (26) 831; (31) 177. transmission by blood-sucking insects, (26) 150. treatment, (28) 473; (31) 282.	Oregon, (35) 788; (36) 186, 385, 485.
treatment, (28) 478; (31) 202.	Oregon, John Day River valley, (36) 283. Oregon, Malheur and Owyhee projects, (36)
trypanosomes causing, (28) 478; (30) 282. Doves, ring, hybridizing, (28) 270.	
Draecuracephara—	Philippines, (30) 632.
angulifera, life history, (35) 553. spp., notes, (27) 858; (33) 356.	southeastern Missouri, (33) 780.
Draiting—	southern Illinois, (28) 890.
agricultural, handbook, (30) 490.	Tennessee, (26) 812, 893, (27) 483. Teres Tefferson County (33) 188.
manual, (31) 592. Drag, homemade, for soils, (32) 789.	Philippines, (30) 632. South Carolina, (27) 189; (28) 382. Southeastern Missouri, (33) 780. Southern Illinois, (22) 890. Tennessee, (28) 812, 893; (27) 483. Texas, Jefferson County, (33) 188. the Ganges delta, (31) 784. Truckee-Carson Experiment Farm, (33) 780. Tunis, (30) 289.
Dragonflies—	Truckee-Carson Experiment Farm, (33) 780.
biology, (39) 558.	Tunis, (30) 289. United States, (28) 890.
food habits, (34) 549, 550. North American, synopsis, (28) 353.	Victoria, (30) 887.
Drain air, chemistry and bacteriology of, (28) 592.	Virginia, (37) 384; (38) 389.
Drainage (32) 07	Tunis, (30) 289. United States, (28) 890. Victoria, (30) 887. Virginia, (37) 384; (38) 389. Western Australia, (35) 489. Wisconsin, (29) 589; (30) 588; (36) 813.
and aeration, (33) 97. as affected by dynamiting, (31) 635.	land bedding as a method of, (35) 286.
	law in
assessments, suggestions for, (36) 586.	Georgia, (28) 684. Iowa, (36) 888.
by numps. (26) 589, 789.	Louisiana, (28) 890.
assessments, suggestions for, (36) 586. by explosives, (27) 687. by pumps, (26) 589, 789. canals, automatic gate for, (33) 586.	Louisiana, (28) 890. Maryland, (32), 787.
canals, velocity coefficients, (36) 585. centrifugal pumping plants for, (28) 890.	North Carolina, (27) 189. Oregon, (31) 587.
channels, distance between, (31) 486.	Washington, (37) 281.
concrete in (32) 787	Washington, (37) 281. legislation, need of, (36) 384.
contracts, notes, (27) 789. convention of North Carolina, (27) 189; (28)	mole, in England, (31) 685.
485; (29) 182.	notes, (29) 85, 785; (30) 588; (31) 494, 589, 894; (32) 814; (33) 695; (36) 396, 723. of alkali soils, (31) 889; (34) 283; (36) 186, 584;
cooperative methods in, (27) 87.	of alkali soils, (31) 889; (34) 283; (36) 186, 584;
district assessments, notes, (27) 587.	(38) 591. American bottoms, (27) 616.
districts, organization and administration, (37)	Florida Everglades, (33) 585.

	— .
Drainage—Continued.	Drawing—
of golf greens, (31) 889. gumbo, hardpan, and seepy land, (26) 892.	agricultural, textbook, (34) 487, 598.
Haarlem Lake, Holland, (29) 182.	in agricultural schools, (36) 597. Dredgers, suction, manual, (37) 585.
hill soils, (36) 723. irrigated land, (27) 686; (31) 684, 783, 889; (33) 88, 683; (34) 86, 483; (36) 399; (37) 86, 186, 281, 587, 883; (38) 388. irrigated land in Egypt, (29) 684, 816. Leve to soil (28) 230	Dredges, use in land drainage, (34) 189.
irrigated land, (27) 686; (31) 684, 783, 889;	Dredging machinery, description, (30) 289.
(33) 88, 683; (34) 80, 483; (30) 399; (37)	Drepanidae of Japan. (39) 262. Drepanothripsreuteri, notes. (28) 354.
irrigated land in Egypt. (29) 684, 816.	Drevel aerological station, (32) 810; (36) 419.
Java tea soils, (36) 320.	Dreyfusia piceae, notes, (26) 147; (35) 256.
lowlands, scoop wheel in, (27) 687.	Dried blood—
marshlands, (40) 587.	adulteration and use, (38) 711.
orchard lands, (36) 888.	amino acid in, (33) 665. ammonification in soils, (32) 817; (33) 808; (34)
overflowed lands, (32) 883.	127: (36) 25.
peat lands, (38) 591, 690. roadbeds, (40) 291.	127; (36) 25. analyses, (28) 364; (32) 169; (34) 263; (39) 222.
Silver Lake and Paulina Marsii, (35) 285.	as affected by calcium and magnesium carbon-
swamp lands, (30) 588; (31) 783. on the farm, (28) 786.	ates, (28) 525.
one ditch method (20) 289	availability, (40) 125. availability—
papers on. (33) 392; (36) 186.	as affected by soils, (32) 516; (34) 130; (39) 726.
open ditch method, (30) 289. papers on, (33) 392; (36) 186. plans, notes, (28) 289.	in presence of sodium nitrate, (38) 723.
problems, notes, (27) 789.	in soils, (36) 819.
project—	of nitrogen in, (26) 124; (27) 723; (28) 724, 725; (35) 123, 426; (39) 817.
along Big Black River, Mississippi, (32)	composition and use, (39) 117.
883. in Arkansas, (32) 588; (33) 288.	decomposition by Streptothrix, (27) 620.
Florida, (27) 189.	decomposition in soils, (36) 116; (39) 814.
Hampton and Jaspar countles, (31) 684.	distribution of nitrogen in, (36) 269.
Louisiana, (27) 189.	effect on— acid soil, (39) 627.
Mississippi, (20) 590.	activity of soil fungi, (36) 215
Missouri, (27) 687. North Carolina, (26) 590; (27) 789.	ammonification, (28) 724.
projects, organization and financing, (36) 187.	carnations, (36) 445.
numning_	composition of wheat, (38) 518. lime requirement of soils, (28) 122.
cost of, (34) 585.	maturity of cotton, (31) 40.
electricity v. steam in, (31) 890; (32) 588.	nitrification, (26) 721.
in relation to rainfall, (38) 387.	osmotic pressure of soil solution, (39) 324.
plant for (29) 785.	soil acidity, (28) 137.
machinery for, (31) 784. plant for, (29) 785. reclamation of alkali soils by, (26) 590.	solubility of calcium and phosphoric acid, (39) 24.
relation to precipitation and evaporation, (40)	tomatoes, (29) 339.
810.	fertilizing value, (26) 534, 838; (27) 321, 325; (28)
studies, (31) 783.	724, 725; (29) 129; (30) 324, 835; (31) 124, 731;
subsoil, for preventing malaria, (30) 486. textbook, (35) 788.	tomatoes, (29) 339. fertilizing value, (26) 534, 838; (27) 321, 325; (28) 724, 725; (29) 129; (30) 324, 835; (31) 124, 731; (32) 516, 831; (34) 128, 129, 131, 219, 520; (35) 535; (38) 121, 818; (37) 449, 627; (38) 218, 220, 517; (39) 31, 32, 327, 623, 817. for arid soils, (36) 726.
tile—	517: (39) 31. 32. 327. 623. 817.
bulkheads, plans and specifications, (28)	for arid soils, (36) 726.
289.	carnations and roses, (20) 040.
clogging by roots, (26) 37. cost, (35) 491.	potatoes, (32) 739.
in Illinois, (27) 484.	sugar cane, (32) 336. loss from soils, (29) 211.
manufacture and use, (28) 890.	nitrineation, (31) 724.
methods of testing, (27) 87, 88.	nitrification—
notes, (27) 386; (36) 89.	as affected by lime, (38) 119.
paper on, (27) 189. principles, (27) 290.	in acid soils, (30) 626. in semiarid soils, (37) 319.
specifications and tests. (27) 587.	in soils, (39) 814.
studies, (28) 890. system, (37) 286; (40) 587. treatise, (26) 588; (33) 585, 586; (37) 587.	notes, (31) 323.
System, (37) 280; (40) 387.	preparation in army slaughterhouses, (37) 321.
use of—	production and use, (27) 327; (29) 517; (30) 126. v. nitrate of soda for cotton, (31) 630.
day labor in. (35) 286.	Dried-fruit beetle, notes, (34) 454.
explosives in, (26) 91; (29) 182; (31) 589;	Dried grains in ration, effect on bulk of manure, (40)
(33) 90. pumps in, (34) 283.	126. Drinking glasses, sterilization, (38) 663.
small waterfalls for, (36) 89.	Dropsy—
water—	epidemic, investigations, (26) 155.
analyses, (27) 320.	in cattle at high altitudes, (32) 781.
composition, (27) 19. composition as affected by vegetation, (26)	Drosicha lichenoides n.sp., description, (29) 255.
421.	Drosophila— ampelophila, see Pomace fly.
composition, seasonal variation, (32) 123.	confuse, rearing on sterile media, (31) 63.
from unmanured and uncropped land, (32)	crossing-over in, (35) 867.
loss of fertilizer constituents in, (27) 519.	hereditary tumor in, (40) 860.
meters of Africa harrogge for (40) 717	melanogaster, food of, (38) 61. mutations in, (33) 758.
work, conversion table and diagram for, (27) 87.	obscura, notes, (27) 54.
work, conversion table and diagram for, (27) 87. work, heavy, excavating plant for, (33) 288. Draining the Zuider Zee, (40) 487.	obscura, notes, (27) 54. paradoxa n.sp., description, (40) 860. segregation of fecundity factors in, (30) 267.
Draining the Zuider Zee, (40) 487. Drainpipe deposits in swamp soils, (31) 721.	segregation of fecting the factors in, (30) 207. sex chromosomes in, (31) 865.
Drains, pipe, renovation, (31) 685.	snp., notes. (26) 349.
Draintile—	spp., notes, (26) 349. Drought—
cement, in alkali soils, (39) 86; (40) 386.	at New York City, (32) 510.
concrete, durability, (35) 386; (39) 393.	distribution in Sicily, (31) 716. effect on composition of grasses, (28) 533.
mixtures and mixing for, (40) 787.	frequency during crop-growing seasons, (33) 615.
reinforced, tests, (40) 787. Drakes, reproductive organs of, (26) 876.	in Georgia, (26) 27.
Drasterius livens, notes, (30) 758.	Louisiana, (29) 812.

Describt Continued	Dwgga Continued
Drought—Continued. in Meramec, Arkansas, and Red River Drain-	Drugs—Continued. inspection in—continued.
age Basins, (29) 812.	Idaho, (29) 867.
Middle West, (30) 417.	Indiana, (32) 254, 357; (34) 861; (37) 63.
Minnesota, (28) 716. New York, (29) 812.	Iowa, (36) 762.
New York, (29) 812.	Kentucky, (26) 69, (31) 358, 359; (34) 761. Louisiana, (32) 357; (35) 663; (40) 461. Maine, (31) 68; (32) 856; (36) 467; (37) 570.
North Carolina, (26) 27.	Moine (21) 68: (22) 856: (26) 467: (27) 570
Rhodesia, (30) 211. the Ozarks, (26) 27.	Massachusetts, (31) 67; (33) 260; (35) 470;
intensities, graphic representation, (36) 718.	(37) 165.
intensities, graphic representation, (36) 718. nature and methods of combating, (31) 514.	Michigan, (26) 660; (27) 767; (29) 463; (30)
of 1911 in England, (27) 510.	558; (33) 363.
of 1911 in Kansas, (26) 214.	Missouri, (26) 564; (29) 362; (31) 462; (33) 164; (37) 63.
of 1918 in the Gironde, (40) 511.	104; (37) 03. Montone (22) 67
relation to weevil resistance in cotton, (26) 41.	Montana, (33) 67.
resistance in grapevines, (26) 239. resistance in Hopi corn, (30) 436.	New Hampshire, (28) 862; (31) 760; (40) 461
Droughts—	New Jersey, (28) 862; (32) 357; (35) 164.
in European Russia, (33) 20.	North Carolina, (29) 266; (33) 164.
in Union of South Africa, (34) 818.	Montana, (33) 67. Nevada, (29) 266; (33) 661. New Hampshire, (28) 862; (31) 760; (40) 461. New Jersey, (28) 862; (32) 357; (35) 164. North Carolina, (29) 266; (33) 164. North Dakota, (27) 364; (28) 259, 357, 457, 660, 762; (29) 661, 865; (30) 675, 666, 667, 668; (31) 657; (32) 162, 456, 661, 763; (33) 67, 164, 753; (34) 366; (35) 267, 470, 765; (36) 362, 467, 762; (37) 63, 468, 570, 863; (38) 167. Ohio, (26) 69; (29) 266; (33) 164, 261, 661. Pennsylvania, (32) 763. Philippines, (31) 259. Rhode Island, (31) 258; (33) 67; (40) 559. South Carolina, (31) 259. South Dakota, (28) 661; (31) 359; (33) 671; (36) 471.
Drug	680, 762; (29) 661, 865; (30) 665, 666, 667,
aw in	67 164 752 (24) 266 (25) 267 470 765 (26)
Connecticut, (27) 767.	362, 467, 762; (37) 63, 468, 570, 868; (38) 167.
Florida, (26) 157; (31) 259.	Ohio, (26) 69; (29) 266; (33) 164, 261, 661.
Great Britain and Ireland, (28) 459.	Pennsylvania, (32) 763.
Louisiana, (29) 566. Michigan, (26) 660; (29) 61. Nebraska, (26) 868; (31) 67. Nevada, (30) 165.	Philippines, (31) 259.
Nebraska. (26) 868: (31) 67.	Rhode Island, (31) 258; (33) 67; (40) 559.
Nevada. (30) 165.	South Delecte (98) 601: (21) 250: (22) 671:
New Hampstire, (28) 862.	(35) 471.
South Dakota, (29) 566; (36) 63. Tennessee, (32) 857.	Tennessee. (28) 459; (32) 357; (36) 662.
Tennessee, (32) 357.	Tennessee, (28) 459; (32) 357; (36) 662. Texas, (29) 61. Wesburgton (30) 266
Texas, (26) 868.	Washington, (29) 266.
United States, results of, (28) 357. Wyoming, (27) 767.	Washington, (29) 266, Wisconsin, (35) 471. methods of analysis, (27) 498.
12.075	methods of analysis, (27) 498.
in California, (37) 63. Kansas, (28) 662; (32) 254. North Dakota, (33) 662.	microscopical examination, (26) 110; (30) 709.
Kansas, (28) 662; (32) 254.	misbranding, (34) 661. new and nonofficial, (40) 284. passage into the sweat, (27) 881.
North Dakota, (33) 662.	passage into the sweat. (27) 881.
RHOGE ISIANG, (57) 570.	
treatise, (29) 266.	purity of, (26) 69.
legislation, manual, (32) 65. plants—	purity of, (26) 69. standards for, in Australia, (30) 862. studies, (27) 208.
as affected by composition of soils, (34) 18.	studies, (27) 208.
breeding experiments, (30) 631. culture, (33) 643; (34) 236; (35) 840. culture and drying, (36) 642; (37) 145.	synthetic, chemistry of, treatise, (26) 277. Dry farming—
culture, (33) 643; (34) 236; (35) 840.	addresses on (28) 633
culture and drying, (36) 642; (37) 145.	addresses on, (28) 633. crops for beet cattle, (38) 872.
culture experiments, (31) 580; (34) 43.	effect on soil moisture, (38) 319.
militre in England (20) 46	experiments, (27) 529; (29) 31, 224, 426; (30) 435;
culture in United States, (33) 241	(32) 525, 526, 730, 793; (37) 529; (38) 333; (39)
description, (26) 327; (40) 247.	131, 334, 736; (40) 330, 524.
culture experiments, (31) 530; (34) 43. culture in Canada, (33) 842. culture in England, (32) 46. culture in United States, (33) 241. description, (26) 327; (40) 247. fertilizer experiments, (34) 43.	crops for peer cattle, (38) 872. effect on soil moisture, (38) 319. experiments, (27) 529; (29) 31, 224, 426; (30) 435; (32) 525, 526, 730, 793; (37) 529; (38) 333; (39) 131, 334, 736; (40) 330, 524. in Australia, (27) 429; (32) 399. Culifornia, (27) 429; (32) 399.
growing and collecting, (36) 743. improvement, (29) 31; (32) 143.	central Oregon (27) 333
improvement, (29) 31; (32) 143.	central Oregon, (37) 333. Colorado, (37) 437; (40) 428. Egypt, (33) 225. India, (28) 736.
methods of analysis, (27) 498.	Egypt, (33) 225.
notes, (30) 145. of Chile, (38) 336. of North Dakota, (35) 730. of Wisconsin, (34) 345. production in America, (39) 449, 545.	India, (28) 736.
of North Dakota, (35) 730.	1V16A1CO, (87) 184.
of Wisconsin, (34) 345.	Montana, (28) 38. Mysore, (39) 229.
production in America, (39) 449, 545.	New Mexico (37) 398: (40) 18
powders, interoscopic examination, (28) 807.	New Mexico, (37) 328; (40) 18. Oregon, (27) 299; (32) 131, 494. Roumania, (35) 620.
products, analyses, (29) 866.	Roumania, (35) 620.
products, examination, (26) 462, 660. standards in Australia, (31) 462.	South Africa, (30) 632. southern Idaho, (36) 227. Southwest, (29) 735.
store beetle, notes, (21) 453; (33) 253.	southern Idaho, (36) 227.
store beetle, notes, (21) 453; (33) 253. stores, inspection, (26) 868.	SOULDWest, (29) 735.
Drugs-	Utah, (36) 528. western North Dakota, (33) 225.
action under pathological conditions, (26) 71.	Wyoming, (36) 529.
analyses, (30) 165; (31) 359; (32) 763; (33) 164,	Wyoming, (36) 529. investigations in United States, (34) 34.
analyses, (30) 165; (31) 359; (32) 763; (33) 164, 165; (39) 68, 207, 669.	misconceptions, (27) 531.
pacteriological examination, (34) 713.	moisture and nitrate relations in, (26) 421; (28)
control of hunger by, (40) 270. dispensatory, (39) 884. dosage, (31) 80; (33) 81.	537.
dosoro (21) 20. (22) 21	nitrogen and humus problem in, (28) 322; (31)
effect on milk secretion, (28) 175.	318. notes, (28) 40; (31) 723; (33) 632.
effect on polyneuritis, (29) 568.	papers on, (37) 437.
examination, (26) 69, 461; (27) 463, 665; (36) 262.	principles of, (26) 828.
effect on milk secretion, (28) 175. effect on polymeuritis, (29) 568. examination, (28) 69, 461; (27) 468, 665; (36) 262. inspection, (32) 254; (36) 561; (40) 461, 559. inspection in—	relation to soil moisture. (28) 321.
inspection in—	textbook, (28) 393. treatise, (32) 430; (40) 823.
Alabama, (55) 60.	treatise, (32) 430; (40) 823.
California, (30) 558. Connecticut, (26) 659; (28) 357; (30) 664;	Dry— land tillage methods, effect on nitrate content,
(33) 363; (34) 458; (35) 558; (37) 863; (39)	(40) 719.
366.	matter, determination in-
Florida, (26) 69; (29) 567, 766; (31) 358; (33)	milk, (30) 710.
66, 164; (34) 762; (36) 467, 864.	root crops, (26) 312, 436; (29) 310, 809.
France, (35) 765.	roots, (27) 9.

Dry-Continued.	Duodenal—
matter in mixed rations, digestibility, (32) 70.	contents, lipolytic properties, (31) 761.
rot, notes, (26) 551. rot, studies, (26) 544.	regurgitation, effects of, (34) 862. Duodenum, activity of ferments in, (29) 268.
seasons in San Diego, (27) 316.	Duomitus punctifer, notes (32) 554.
Drying-see also Foods, Fruit, and Vegetables,	Duralumin for household utensils, (32) 457.
drying.	Durian—
plant, community, (38) 716.	analyses and use, (30) 363.
theory of, (36) 809. Dryinidae—	asexual propagation, (32) 142.
life histories, (34) 557.	Durio zibethinus, asexual propagation, (32) 142. Durra—
notes, (28) 63.	covered kernel smut, (39) 756.
Dryocoetes pseudotsugae n. sp., description, (35)	culture—
856.	experiments, (28) 532; (32) 526; (40) 433.
Dryophanta erinacei, studies, (31) 354.	in Jamaica, (32) 229.
Dschamma, notes, (29) 362.	in Texas Panhandle, (29) 430.
Duabanga sonneratioides, distribution and use, (38) 751.	drought resistance of, (28) 633. notes, (31) 333.
Duboisia spp., studies, (39) 433.	root parasites of, (31) 842.
Duck-	Sudan, for dairy cows, (29) 374.
disease, new, (33) 483; (37) 483.	varieties, (37) 338.
house, description, (34) 177.	yields, (29) 32.
hybrids, spermatogenesis in, (27) 371.	Dust— bacteria in, (38) 885.
industry in Pateros, Philippine Islands, (30) 374.	determination of air. (35) 210
manure, analyses, (38) 23. ruddy, sex characters, (39) 878.	determination of air, (35) 210. effect on plants, (31) 34.
ruddy, tracheal air sac, (40) 351.	effect on transpiration from leaves, (30) 726.
sickness in Utah, (39) 460.	explosions in grain milling, (36) 686; (39) 494.
Ducklings-	explosions in grain separators, (35) 688.
as affected by rice diet, (38) 677.	from blast furnace gas, analyses, (34) 623.
cost of raising, (36) 73.	furnace, effect on vegetation, (30) 131.
cramp disease in, (32) 278.	injury to agriculture and forestry in Austria, (37) 528.
disease of, (36) 85.	layers in the atmosphere, (27) 316.
Ducks-	prevention-
breeding and management, (33) 77.	experiments, (29) 590; (31) 686; (32) 884; (33) 686; (36) 188; (38) 790. notes, (34) 484, 890.
care and management, (34) 377, 569; (39) 176;	(33) 686; (36) 188; (38) 790.
(40) 177.	notes, (34) 484, 890.
crest of, (30) 773.	on roads, (38) 87. progress in, (28) 383.
crossbreeding experiments, (32) 571.	progress III, (26) 500.
destruction of mosquito larvae by, (34) 856. destruction of tobacco insects by, (26) 638. dying around Great Salt Lake, (33) 251.	preventives, bibliography, (36) 188. "red rain," notes, (27) 414.
dying around Great Salt Lake, (33) 251.	sprays for insects, (31) 449.
egg laying capacity of various breeds, (29) 672.	Dustfall—
egg laying capacity of various breeds, (29) 672. eggs, toxicity, (33) 163.	in English towns and cities, (30) 619; (34) 15.
reeding experiments, (27) 774; (32) 868; (35) 377.	of March, 1918, (40) 616. Dusting—see also Spraying and specific plants.
gonadectomy and secondary sex characters,	Dusting—see also Spraying and specific plants.
(38) 170. growth of. (30) 467.	calendar, (39) 149. experiments, (39) 349, 548, 552, 855; (40) 154, 341.
host of Trypanosoma gambiense. (27) 787.	machinery, tests. (39) 868.
hybrid sterility in. (29) 167; (30) 374.	notes, (39) 548.
hybrid, studies, (26) 473.	v. spraying, (32) 550; (39) 755; (40) 246, 251, 330,
host of Trypanosoma gambiense, (27) 787. hybrid sterlity in, (29) 167; (30) 374. hybrid, studies, (26) 473. hybridization, (32) 869.	445, 648.
incubator natched, proms from, (33) 703.	v. spraying for apple scab, (31) 449.
Indian Runner—	Dusts, carbonaceous, inflammability, (37) 109, 410.
breeding and care, (29) 574. British standard for, (30) 675.	Dusty surface beetle, notes, (31) 757. Duty of water, see Water, duty of.
laying capacity, (30) 773.	Dye-
manual, (30) 873.	extracts, production from wood, (28) 50.
inheritance of size in, (26) 876.	plants of Chile, (38) 336.
mallard, food habits, (40) 254.	plants of Iows. (29) 626.
metabolism experiments, (29) 171; (30) 261.	Dyes-
origin and history of breeds, (27) 572.	acid, anticoagulant action on protein, (35) 880. action on bacteria, (39) 412.
ovarian transplantation in, (40) 367.	azo, purification. (40) 808.
retention of amino acids by, (33) 172. runner, as farm layers, (40) 876.	coal far, separation, (36) 714.
serum proteins of, (32) 861.	fat-soluble—
treatise, (26) 270.	behavior in the organism, (26) 671; (27) 670.
verietions in due to feeding striffs (32) 367	effect on health, (36) 262.
wild, "fishy" flavor, (40) 255. wild, foods for, (29) 378; (30) 545; (33) 251.	effect on tuberculous guinea pigs. (29) 177.
Wild, 1000S 10r, (29) 575; (50) 545; (53) 251.	methods of analysis, (36) 714. of Dutch East Indies, (30) 697.
wild, mallard, domestication, (33) 381. wild, seasonal changes in testes and plumage,	organic, methods of analysis, (27) 609.
(32) 264.	photosensitizing, (40) 16, 710, 711.
Duckweeds, culture for wild ducks, (33) 251.	subsidiary, determination in food colors, (29) 11.
Ductless glands, chemical pathology, (32) 78.	use against tuberculosis, (31) 583.
Dugaldia hoopesli—	use in food coloring agents, (29) 661.
description, (39) 386.	Dyestuffs—
toxicity toward sheep, (36) 680.	analysis and identification, (39) 506. from Latin America, (38) 248.
Duguetia, notes, (31) 339. Dulcite as source of carbon for molds, (30) 226.	identification, (29) 12.
Dulcite, determination, (26) 709.	natural, (40) 16.
Dum palm fruit, analysis and use, (27) 463.	vegetable, in Madras, (38) 319.
Dumraon Agricultural Experimental Station, re-	vegetable, of New Zealand, (38) 309.
port, (29) 228.	Dynamite—
Dun sickness—	agricultural, tests. (31) 589.
in horses, (33) 384. notes, (26) 480.	as soil improver, (29) 748; (32) 730 effect on soil, (34) 125.
ALUGUE (MU) ZUU:	

Dynamite—Continued.	Earthquake-
effect on yield of cotton and corn, (31) 432; (38) 335.	in Alabama, (36) 719. in Missouri, (37) 513.
experiments with, (33) 684.	in North Carolina, (36) 19.
for blasting ditches, (35) 789; (36) 89.	observations in a telescope, (35) 419.
clearing land, (35) 887; (30) 785. field crops, (35) 30. heavy soils, (34) 819; (35) 493. orchard soils, (33) 239; (35) 539.	of July 1. 1911, (26) 27. southern Appalachian, of February 21, 1916, (35)
heavy soils, (34) 819; (35) 493.	419.
orchard soils, (33) 239; (35) 539.	Earthquakes in—
soil preparation for alfalfa, (34) 228. tree planting, (29) 339; (32) 535; (33) 439; (35)	California in 1915, (35) 116. California in 1916, (38) 115.
tree planting, (29) 339; (32) 535; (33) 439; (35) 38, 236, 752.	1916, (36) 719. Philippines, (31) 615.
stumps, removal with, (26) 187.	United States, (34) 615.
stumps, removal with, (26) 187. subsoiling with, (30) 386; (32) 884. use in agriculture, (33) 90. use in drainage, (29) 182. use in rubber culture, (34) 47; (35) 582. use on the farm, (27) 292, 689; (28) 185.	Earth's electric charge, (35) 115.
use in drainage, (29) 182.	Earths, rare—
use on the farm. (27) 292, 689: (28) 185.	and their acids, treatise, (30) 205. in soils, (31) 720. Earthwork haul and overhaul, treatise, (30) 487.
	Earthwork haul and overhaul, treatise, (30) 487.
effect on yield of cereals, (32) 528. effect on yield of oats, (32) 430.	Earthworms—
experiments, (39) 336.	aeration of soils by, (26) 619. effect on soil fertility. (27) 518.
experiments, (39) 336. for citrus fruit and pineapples, (31) 635. for Great Plains soils, (39) 812.	in forest soils, (26) 223.
Dynamometer—	in forest soils, (26) 223. in Indiana, (36) 251. of North America, (40) 267.
for steam plows, description, (30) 389.	parasites of, (36) 359.
traction, description and tests, (33) 890. Dynamos and motors, treatise, (29) 892.	relation to agriculture, (30) 425. relation to Dictyocaulus filaria, (28) 182.
Dyomyx, notes, (34) 855.	remedies (32) 246
Dyscedestis farinatella, notes, (34) 855.	transmitting nematodes to fowls, (38) 83.
Dyscinetus— bidentatus, notes, (38) 459.	transmitting nematodes to fowls, (38) 83. treatise, (28) 451. Earwig—see Forficula auricularia.
spp., notes, (36) 753.	European, me mistory and remedies, (38) 56.
Dysdercus—	European, notes, (39) 464.
albidiventris, notes, (37) 847. andreae, notes, (30) 356; (39) 862.	East coast fever, see African coast fever. East Park bird reservation, California, (37) 355.
cingulatus, injurious to kapok, (26) 354.	Eccoptogaster, see Scolytus.
delauneyi—	Ecdytolopha insiticiana, notes, (35) 356.
investigations, (36) 654. life history and remedies, (38) 461.	Echelon clouds, paper on (27) 316. Echidnophaga gallinacea, see Hen flea.
notes, (39) 559, 638; (40) 165.	Echinacea augustiiolia, nature and use, (26) 580.
notes, (39) 559, 638; (40) 165. howardi, studies, (26) 454. nigrofasciatus, notes, (28) 654.	Echinocactus— desiccation and respiration , (40) 29, 223.
ruficollis, notes, (27) 54.	rate and course of growth, (40) 30.
ruficollis, notes, (27) 54. ruficollis, parasite of, (29) 558. scassellatil, notes, (40) 854. spp. on cotton, (27) 454; (39) 754, 862. suturellus, see Cotton stainer.	wislizeni— accumulation and destruction of acid in
SCASSCHATH, HOTES, (40) 854.	(34) 730.
suturellus, see Cotton stainer.	root habits, (26) 728. Echinochasmus perfoliatus in pigs, (34) 480.
Dysentery—	Echinochioa crus-calli—
amebic, in horses, (27) 477. amebic, transmission by flies, (38) 563.	Echinochloa crus-galli— analyses, (34) 39.
amospae, notes and bibliography, (26) 246.	as duck food, (30) 545. Echinococcosis, alveolar and hydatid, (32) 271.
chronic bacterial, see Johne's disease.	Echinococcus—
epidemic, relation to flies, (36) 156. in bees, notes, (26) 561.	disease, diagnosis, (27) 883; (30) 781.
calves, studies, (26) 483, 682. farm animals, treatment, (27) 181.	veterinorum in sheep, (39) 283 Echinocystis oregana, seeds of, (38) 410.
iarm animais, treatment, (27) 181.	Echinodontium tinetorium—
newborn calves, (40) 887. red, of cattle, (40) 290.	control, (40) 842. new hosts for, (33) 551. notes, (27) 653.
spontaneous amedic, in monkeys, (36) 576.	
toxins and antitoxins, notes, (26) 676.	notes, (27) 653.
transmission by house flies, (26) 61.	notes, (27) 653. on hemlock, (40) 159.
transmission by house flies, (26) 61. Dytiscus—	sporophores of, (33) 552.
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766.	on hemices, (40) 199. sporophores of, (33) 552. Echinomyia fera, parasitic on gipsy moth, (31) 652 Echinorhynchus—
transmission by house flies, (26) 61. Dyttsous— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657.	on hemices, (40) 199. sporophores of, (33) 552. Echinomyia fera, parasitic on gipsy moth, (31) 652 Echinorhynchus—
transmission by house files, (26) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasta yumaella, notes, (28) 451. Figulas of France treatise, (26) 452.	on nemiocs, (40) 199. sporophores of, (33) 552. Echinomyia fera, parasitic on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piriforma n.sp. notes, (30) 785.
transmission by house files, (26) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasta yumaella, notes, (28) 451. Figulas of France treatise, (26) 452.	on hemices, (40) 199. sporophores of, (33) 552. Echinomyia fera, parasitic on gipsy moth, (31) 652 Echinoriynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piriforma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasta yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Eantis thraso. notes, (39) 59. Ear diseases, (27) 576. Ear tick—see Ornithodoros megnini.	on hemices, (30) 159. sporophores of, (33) 552. Echinomyia fera, parasitic on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piriforma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (22) 63.
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasta yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Earlis thraso, notes, (39) 59. Ear diseases, (27) 578. Ear tick—zee Ornithodoros megnini. spinose—	on hemices, (34) 199. sporophores of, (33) 552. Echinomyia fera, parasitic on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piritorma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (28) 63. Eciton— (Acamatus) schmitti destructive to Argentine
transmission by house flies, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasta yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Earntis thraso, notes, (39) 59. Ear diseases, (27) 576. Ear tick—zee Ornithodoros megnini. spinose— in South Africa, (39) 81.	on hemices, (34) 199. sporophores of, (33) 552. Echinomyia fera, parasitic on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piritorma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (28) 63. Eciton— (Acamatus) schmitti destructive to Argentine
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasta yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Eartis thraso, notes, (39) 59. Eart diseases, (27) 576. Ear tick—see Ornithodoros megnini. spinose— in South Africa, (39) 81. life history and habits, (37) 856. notes, (37) 255; (40) 656.	on hemices, (34) 193. sporophores of, (33) 552. Echinomyia fera, parasitic on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. Echinostoma piriforma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (28) 63. Eciton— (Acamatus) schmitti destructive to Argentine ant, (31) 256. burchelli, notes, (40) 358. Eclampsia—
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasta yumaella, notes, (23) 451. Eagles of France, treatise, (26) 452. Eardis thraso. notes, (39) 59. Ear diseases, (27) 576. Ear tick—see Ornithodoros megnini. spinose— in South Africa, (39) 81. life history and habits, (37) 856. notes, (37) 255, (40) 656. remedies, (40) 682.	on hemices, (40) 199. sporophores of, (33) 552. Echinomyis fera, parasitic on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piriforma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (28) 63. Eciton— (Acamatus) schmitti destructive to Argentine ant, (31) 256. burchelli, notes, (40) 358. Eclampsia— and milk fever, similarities, (27) 185.
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasta yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Eartis thraso, notes, (39) 59. Eart diseases, (27) 576. Ear tick—see Ornithodoros megnini. spinose— in South Africa, (39) 81. life history and habits, (37) 856. notes, (37) 255; (40) 656.	on hemices, (30) 1952. sporophores of, (33) 552. Echinomyia fera, parasitic on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piritorma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (28) 63. Eciton— (Acamatus) schmitti destructive to Argentine ant, (31) 256. burchelli, notes, (40) 358. Eclampsia— and milk fever, similarities, (27) 185. puerperal, see Milk fever.
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasta yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Earlis thraso. notes, (39) 58. Ear diseases, (27) 576. Ear tick—see Ornithodoros megnini. spinose— in South Africa, (39) 81. ilfe history and habits, (37) 856. notes, (37) 255; (40) 656. remedies, (40) 652. Earflies, notes, (29) 454. Earias— chlorana, notes, (29) 853.	on hemices, (a) 193 sporophores of, (33) 552. Echinomyis fera, parasitic on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piriforma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (28) 63. Eciton— (Acamatus) schmitti destructive to Argentine ant, (31) 256. burchelli, notes, (40) 358. Eclampsia— and milk fever, similarities, (27) 185. puerperal, see Milk fever, relation to anaphylaxis, (26) 375. serology of, (31) 180.
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasts yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Eartis thraso, notes, (39) 59. Ear diseases, (27) 576. Ear tick—see Ornithodoros megnini. spinose— in South Africa, (39) 81. life history and habits, (37) 856. notes, (37) 255; (40) 658. remedies, (40) 682. Earfiles, notes, (29) 454. Earias— chlorana, notes, (29) 853. fabia, injurious to kapok, (26) 354.	on hemices, (a) 192 sporophores of, (33) 552. Echinomyis fera, parasitic on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. Echinostoma piriforma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (28) 63. Eciton— (Acamatus) schmitti destructive to Argentine ant, (31) 256. burchelli, notes, (40) 358. Eclampsis— and milk fever, similarities, (27) 185. puerperal, see Milk fever. relation to anaphylaxis, (26) 375. serology of, (31) 180. Ecology—
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasts yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Earlis thraso, notes, (39) 59. Ear diseases, (27) 576. Ear tick—see Ornithodoros megnini. spinose— in South Africa, (39) 81. life history and habits, (37) 856. notes, (37) 255; (40) 656. Femedies, (40) 682. Earflies, notes, (29) 454. Earias— chlorana, notes, (29) 853. fabia, injurious to kapok, (26) 354. insulana— control. (40) 256.	on hemice, (40) 1952. sporophores of, (33) 552. Echinomyia fera, parasitic on gipsy moth, (31) 652 Echinonyia fera, parasitic on gipsy moth, (31) 652 Echinonyhynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piriforma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (28) 63. Eciton— (Acamatus) schmitti destructive to Argentine ant, (31) 256. burcheili, notes, (40) 358. Eclampsis— and milk fever, similarities, (27) 185. puerperal, see Milk fever. relation to anaphylaxis, (26) 375. serology of, (31) 180. Ecology— bibliography, (29) 626. of Michigan dunes, (40) 226.
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasts yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Earlis thraso, notes, (39) 59. Ear diseases, (27) 576. Ear tick—see Ornithodoros megnini. spinose— in South Africa, (39) 81. life history and habits, (37) 856. notes, (37) 255; (40) 656. Femedies, (40) 682. Earflies, notes, (29) 454. Earias— chlorana, notes, (29) 853. fabia, injurious to kapok, (26) 354. insulana— control. (40) 256.	on hemices, (40) 1952. Sporophores of, (33) 552. Echinomyis fera, parasitic on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piriforma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (28) 63. Eciton— (Acamatus) schmitti destructive to Argentine ant, (31) 256. burchelli, notes, (40) 358. Eclampsis— and milk fever, similarities, (27) 185. puerperal, see Milk fever. relation to anaphylaxis, (26) 375. serology of, (31) 180. Ecology— bibliography, (29) 626. of Michigan dunes, (40) 226. of vegetation of Breckland, (40) 424.
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasts yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Earlis thraso, notes, (39) 59. Ear diseases, (27) 576. Ear tick—see Ornithodoros megnini. spinose— in South Africa, (39) 81. iffe history and habits, (37) 856. notes, (37) 255; (40) 656. remedies, (40) 682. Earflies, notes, (29) 454. Earias— chlorana, notes, (29) 853. fabia, injurious to kapok, (26) 354. insulana— control, (40) 256. notes, (27) 882; (28) 654; (32) 847. relation to pink bollworm, (40) 857.	on hemices, (40) 195 sporophores of, (33) 552. Echinomyia fera, parasitio on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piritorma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (28) 63. Eciton— (Acamatus) schmitti destructive to Argentine ant, (31) 256. burchelli, notes, (40) 358. Eclampsia— and milk fever, similarities, (27) 185. puerperal, see Milk fever. relation to anaphylaxis, (26) 375. serology of, (31) 180. Ecology— bibliography, (29) 628. of Michigan dunes, (40) 226. of vegetation of Breckland, (40) 424. relation to agriculture, (30) 98.
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasta yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Earlis thraso. notes, (39) 58. Ear diseases, (27) 576. Ear tick—see Ornithodoros megnini. spinose— in South Africa, (39) 81. life history and habits, (37) 856. notes, (37) 255; (40) 656. remedies, (40) 682. Earfiles, notes, (29) 454. Earias— ehlorana, notes, (29) 853. fabia, injurious to kapok, (26) 354. insulasa— control, (40) 256. notes, (27) 862; (28) 654; (32) 847. relation to pink bollworm, (40) 857. seasonal variation in, (32) 152. studies, (37) 55.	on hemices, (40) 195 sporophores of, (33) 552. Echinomyia fera, parasitio on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piriforma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (28) 63. Eciton— (Acamatus) schmitti destructive to Argentine ant, (31) 256. burchelli, notes, (40) 358. Eclampsia— and milk fever, similarities, (27) 185. puerperal, see Milk fever. relation to anaphylaxis, (26) 375. serology— bibliography, (29) 628. of Michigan dunes, (40) 226. of vegetation of Breckland, (40) 424. relation to agriculture, (30) 98. studies, (27) 636; (31) 537; (40) 129. Economic—
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasts yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Earlis thraso, notes, (39) 59. Ear diseases, (27) 576. Ear tick—see Ornithodoros megnini. spinose— in South Africa, (39) 81. life history and habits, (37) 856. notes, (37) 285; (40) 656. remedies, (40) 682. Earflies, notes, (29) 454. Earias— chlorana, notes, (29) 853. fabia, injurious to kapok, (26) 354. insulana— control, (40) 256. notes, (27) 882; (28) 654; (32) 847. relation to pink bollworm, (40) 857. seasonal variation in, (32) 152. studies, (37) 55. spp. and Rhogas parasite in India, (38) 54.	on hamilock, (a) 192 sporophores of, (33) 552. Echinomyia fera, parasitic on gipsy moth, (31) 652 Echinorhynchus— canis, notes (38) 892. Echinostoma piriforma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (22) 83. Eciton— (Acamatus) schmitti destructive to Argentine ant, (31) 256. burchelli, notes, (40) 358. Eclampsia— and milk fever, similarities, (27) 185. puerperal, see Milk fever. relation to anaphylaxis, (26) 375. serology of, (31) 180. Ecology— bibliography, (29) 628. of Michigan dunes, (40) 226. of vegetation to Breckland, (40) 424. relation to agriculture, (30) 98. studies, (27) 636; (31) 537; (40) 129. Economic— associations of rural Poland, treatise, (31) 690.
transmission by house files, (28) 61. Dytiscus— destructive to mosquito larvae, (38) 766. marginalis, digestive ferments of, (26) 657. Dytopasta yumaella, notes, (28) 451. Eagles of France, treatise, (26) 452. Earlis thraso. notes, (39) 58. Ear diseases, (27) 576. Ear tick—see Ornithodoros megnini. spinose— in South Africa, (39) 81. life history and habits, (37) 856. notes, (37) 255; (40) 656. remedies, (40) 682. Earfiles, notes, (29) 454. Earias— ehlorana, notes, (29) 853. fabia, injurious to kapok, (26) 354. insulasa— control, (40) 256. notes, (27) 862; (28) 654; (32) 847. relation to pink bollworm, (40) 857. seasonal variation in, (32) 152. studies, (37) 55.	on hemices, (40) 195 sporophores of, (33) 552. Echinomyia fera, parasitio on gipsy moth, (31) 652 Echinorhynchus— canis, notes (39) 892. gigas, description, (34) 280. Echinostoma piriforma n.sp. notes, (30) 785. Echthrogonatopus hawaiiensis n.sp., description (28) 63. Eciton— (Acamatus) schmitti destructive to Argentine ant, (31) 256. burchelli, notes, (40) 358. Eclampsia— and milk fever, similarities, (27) 185. puerperal, see Milk fever. relation to anaphylaxis, (26) 375. serology— bibliography, (29) 628. of Michigan dunes, (40) 226. of vegetation of Breckland, (40) 424. relation to agriculture, (30) 98. studies, (27) 636; (31) 537; (40) 129. Economic—

Economics—	Egg-Continued.
home, see Home economics. in agricultural education and research, (26) 386.	breaking plants, (39) 379.
rural, see Rural economics.	conserves, artificial coloration, (27) 809.
Ecpantheria eridanus—	conserves, methods of analysis, (32) 109. demonstration train in North Wales, (30) 495.
life history, (35) 758. notes, (33) 554.	diet, anaphylaxis due to, (32) 178.
Ecphylus spp., table, (30) 758.	industry in United States, (29) 774. laying contest—
Ecthetopyga gossypii n.g. and n.sp., notes, (29) 562.	at Munster Institute, Cork, (31) 569.
Ectobia germanica, see Blattella germanica. Ectoedemia—	at Vineland, N. J., (37) 71; (38) 677; (39)
castaneae n sp., description, (29) 758.	780. in British Columbia, (34) 470.
neinfichi n.sp., description, (33) 655.	Connecticut, (29) 70; (30) 271; (33) 672;
phleophaga n.sp., description, (32) 450. spp. in North America, (37) 561.	(36) 570; (37) 368.
Ectogony, definition, (38) 526.	Kentucky, (35) 673; (39) 480. Missouri, (34) 869.
Ectoparasites—	Queensland, (38) 173.
injurious to man, (34) 251. of rats, (27) 734.	laying contests— average and frequency curves in (33) 271
Ectoproteases, properties of, (31) 377.	average and frequency curves in, (33) 271. farm-flock, in Missouri, (40) 876.
Eczema— epizootic, in cattle, (28) 481.	in Australia, (27) 876; (29) 275, 472, 672; (33) 673, 872.
in horses and bovines, (29) 378.	England, (31) 472; (33) 572; (38) 72.
relation to diet, (31) 463. Edaphism—	England, (31) 472; (33) 572; (38) 72. England and Australia, (26) 369. Ireland, (38) 172; (40) 671.
definition and application, (28) 718.	New South Wales, (26) 270; (30) 773;
Gola's osmotic theory, (33) 321.	(37) 72
Edaphon, monograph, (30) 323. Eddoes—	South Australia, (26) 876; (31) 871. United States, (33) 872. notes, (28) 389; (29) 696. laying in different breeds of poultry, (32) 868.
culture and use, (40) 763. varieties, (26) 733; (36) 735; (38) 33, 335.	notes, (28) 369; (29) 696.
varieties, (26) 733; (36) 735; (38) 33, 335. variety tests, (40) 522.	laying in different breeds of poultry, (32) 868.
Edema—	laying records, (27) 374; (30) 675, 873. marketing packages, description, (30) 873. membranes, ovarian, permeability, (26) 671. noodle tables, recalculation, (28) 99.
malignant, and blackleg, differentiation, (27)	membranes, ovarian, permeability, (26) 671.
182. malignant, in hogs, due to vaccination, (39)	pastes, judging, (29) 564.
392.	powder, nutritive value, (35) 368, preservative, analyses, (29) 661; (38) 666.
of the wattles of fowls, (30) 785.	preservative, analyses, (29) 661; (38) 666.
Edessa meditabunda, notes, (40) 165. Edestin—	production—see also Hens, laying, and handling, (33) 299, 872.
copper compounds of, (37) 9.	and marketing, (26) 78.
determination in flour, (27) 498. effect on gaseous metabolism in man, (28) 569.	and yellow pigment in fowls, correlation, (33) 172.
hydrolysis, (28) 607.	production as affected by—
immunity reactions of, (30) 778.	hatching date, (39) 275; (40) 772.
lysin content, (31) 559. maintenance experiments with, (28) 864.	inbreeding, (33) 572. pituitary substance, (34) 75.
refractive indexes, (34) 803.	production—
tryptophan in, (28) 411. value for growth or maintenance, (37) 864.	breeding for, (29) 472, 696, 874; (32) 172; (36) 693; (38) 172; (39) 781.
Education—	computation of correlation coefficients, (40)
agricultural, see Agricultural education.	871.
at Pan American Scientific Congress, (38) 794.	cycles in birds, (37) 869. diurnal time, (40) 77.
bibliography, (31) 196. economic value, (27) 793. in Manitoba, (27) 896.	external characters as indications of, (35)
in Manitoba, (27) 896. relation to agriculture, (36) 595.	480. feeding for (33) 97, 672; (34) 377; (38) 577.
relation to mental development, (31) 557.	feeding for, (33) 97, 672; (34) 377; (38) 577. for war emergency, (38) 94. illustrated lecture, (34) 196.
rural Denmark, (31) 598.	illustrated lecture, (34) 196.
the home, (33) 397. the South, conference on, (26) 697.	improvement, (33) 98, 271, 273; (34) 870; (37) 871.
United States, statistics, (27) 797.	in Belgium, (31) 65, 161.
Württemberg, (27) 897.	in Belgium, (31) 65, 161. Canada, studies, (27) 773. Rhode Island Red fowls, (38) 876.
industrial, in Oregon, (31) 97. relation to industry, (26) 296.	United States, (31) 168.
rôle of school gardening in, (38) 94. secondary, science in, (28) 296. technical, in Canada, (31) 596. treatise, (33) 596. value to the farmer, (34) 393.	United States, (31) 168. increasing, (27) 72, 773, 774. inheritance in house, (33) 471; (34) 74, 564
technical, in Canada, (31) 596.	inheritance in hens, (33) 471; (34) 74, 564. limitations of, (30) 471. of champion hens, (30) 873. of different breeds, (32) 572; (34) 569.
treatise, (33) 596.	of champion hens, (30) 873.
vocational, see Vocational education.	
Educational—	on the farm, (39) 176.
ideals, changes, (26) 299.	on the farm, (39) 176. physiology, (32) 870; (36) 73. production, relation to
institutions— effect on development of agricultural science, (29) 191. higher, in Iowa, (37) 292.	brooding instinct, (33) 74.
science, (29) 191.	molting, (40) 77.
of Washington, survey, (37) 597.	phosphorus in rations, (30) 71. pigmentation, (38) 276; (39) 378.
resources of village and rural communities, (31)	size of eggs, (35) 773.
193.	production— rhythm of, (33) 574.
system of Denmark, (35) 695. system, state, report on, (30) 92.	selection for, (33) 173; (38) 276; (39) 74, 480,
Kel grass, culture for wild ducks, (33) 251.	675.
Eelworms, see Nematodes.	studies, (26)572, 770; (27) 773; (28) 367, 570, 577; (30) 373; (31) 688, 689; (32) 73; (34) 176, 889; (35) 274, 773; (36) 173; (37) 369, 869; (38) 171, 172, 373; (39) 480; (40) 876.
abnormality, (32) 870; (40) 672, albumin, see Albumin, egg.	176, 869; (35) 274, 773; (36) 173; (37) 369,
albumin, see Albumin, egg. associations, cooperative, organization, (32)	869; (38) 171, 172, 373; (39) 480; (40) 876. winter, (29) 574; (32) 869; (33) 574; (36) 669;
associations, cooperative, organization, (32) 870.	(38) 497.
breeking outfit description (27) 663.	winter cycle in. (34) 470.

Fag-Continued	Eggs-Continued.
Egg—Continued. products—	collection and grading, (26) 271.
	color xenia and telegony in, (34) 509.
Chinese, notes, (30) 675.	composition, (34) 569.
Chinese, notes, (30) 675. Chinese, notes, (30) 675. preservation, (27) 663. proteins, digestibility and utilization, (35) 861. record of a Leghorn hen, (28) 270. records, individual, (39) 278. shows value of (25) 274.	composition relation to vitality of the chick, (32) 869.
record of a Leghorn hen, (28) 270.	composition, seasonal variation in, (31) 271.
records, individual, (39) 278.	cost of—
5110W5, Value O1, (00) 21 T.	cold storage, (27) 164. distribution, (29) 492.
societies in England, (32) 792. substitutes—	production, (31) 472, 473; (33) 763; (37) 871;
analyses, (35) 470; (39) 68, 669.	(38) 373.
baking experiments, (39) 68.	decomposition, (27) 763; (29) 765. demonstration car work, (33) 273.
description, (28) 862. descriptions and analyses, (40) 558.	desiccated, bacterial content, (33) 362.
examination, (31) 760.	desiccating, (32) 264.
trade, wholesale, of Berlin, (28) 270.	detection in foodstuffs, (30) 112.
white, digestibility, (26) 263. white, effect on creaming ability of milk, (36) 76.	detection in pastes, (40) 205. deterioration, (26) 154, 270; (29) 276.
yolk—	determination—
antineuritic substance from, (37) 308.	in food pastes, (33) 502.
lutein in, (26) 563; (27) 611. metabolism during incubation, (37) 772.	of decomposition in, (33) 112.
osmotic phenomena of (31) 357	of nitrogen in, (39) 715. determining age, (39) 278.
phosphatids, studies, (30) 163. preservation and use, (29) 564. prevention of beriberi by, (31) 762.	development, (35) 795.
preservation and use, (29) 564.	development as affected by narcotics, (26) 772.
rôle in glycogen formation, (31) 763.	digestibility, (27) 108. double- and triple-yoked, occurrence, (31) 170.
white and yellow, composition, (37) 772.	double-volked
Eggplant—	notes, (27) 573. origin, (29) 69.
canker or rot, notes, (27) 849. diseases, notes, (39) 52, 453, 852.	production (32) 771.
early blight, notes, (38) 451.	production, (32) 771. studies, (37) 371.
early blight, notes, (38) 451. fruit rot, leaf spot, or stem blight, studies,	dried, examination, (26) 000.
(31) 747.	drying, (28) 165. ducks'—
fruit rots, studies, (31) 344; (32) 843. grafting on Solanum torbum, (33) 139. lace bug, studies, (33) 355; (38) 858. Fhomopsis, notes, (35) 844. seedlings, breaking over, (39) 454. tortoise beetle, studies, (36) 57. Verticillium wilt, studies, (33) 244. wilt disease, notes, (31) 343.	preservation in China. (36) 362.
lace bug, studies, (33) 355; (38) 858.	toxicity, (33) 163.
Phomopsis, notes, (35) 844.	duration of fertility, (26) 270.
tortoise beetle, studies, (36) 57.	early development in hens. (26) 271.
Verticillium wilt, studies, (33) 244.	effect of X-rays on fermentation, (27) 231.
	preservation in China, (36) 362. toxicity, (33) 163. duration of fertility, (26) 270. dwarf, studies, (36) 73, 473. early development in hens, (26) 271. effect of X-rays on fermentation, (27) 231. effect on bacterial content of ice cream, (32) 660. enzyms of, studies, (28) 64. evaporation in cold storage, (29) 276. examination, (33) 164.
breeding experiments (27) 741: (30) 343: (36)	enzyms of, studies, (28) 04.
breeding experiments, (27) 741; (30) 343; (36) 839; (39) 747; (40) 538. color inheritance, (38) 443.	
color inheritance, (38) 443.	exportation from Bulgaria, (27) 279.
crossing experiments, (34) 146.	factors affecting Weight, composition, and
crossing experiments, (34) 146. culture experiments, (35) 341; (37) 742. fertilizer experiments, (37) 742.	fall and winter production, (36) 195.
iruit tuinning experiments. (27) 741.	hatchability, (31) 270, 889. fall and winter production, (36) 195. fatty acids of, (30) 675. fatty immurity excipt, heatered infection
Gnomonia on, (37) 752. heredity in, (27) 740; (28) 740; (30) 343; (32) 538. insects affecting, (36) 354.	fertile, immunity against bacterial infection, (29) 159.
insects affecting, (36) 354.	fertility, (26) 770; (27) 73; (31) 472; (36) 71.
irrigation experiments, (29) 638.	fertility experiments, (29) 574; (35) 377; (37) 682;
limitation studies, (34) 146. new iruit disease affecting, (27) 152.	(38) 677. fertilization and incubation of, (26) 876.
red spider attacking, (39) 65.	food value, (32) 854.
storage, (39) 745. varieties, (34) 146.	food value and uses, (36) 761.
varieties, (34) 146.	for hatching—
abnormal, (33) 793.	production, (36) 871. shipping, (33) 763; (36) 70; (37) 682; (38) 677.
alcoholized, mortality of chicks from, (40) 470.	formation of nydrocyanic acids in, (30)
aranciai incubation, (26) 270.	fresh, bacterial infection, (35) 174.
as affected by quinin feeding, (40) 664. as food, (28) 459.	frozen and desiccated— deterioration, (27) 61.
as protection against pellagra, (33) 565.	deterioration, (27) 61. healthfulness, (27) 62. preparation, (27) 663; (35) 173. frozen, examination, (32) 257.
ash analyses, (29) 861.	preparation, (27) 663; (35) 173.
bacterial flora of, (26) 168.	grading, (27) 374.
	grading, breaking, and mixing, (28) 165.
bacteriology, (27) 61, 78, 374; (28) 164; (31) 171. boron in, (30) 168. candling, (39) 279, 881. care, (28) 869, 395.	handling
cending (39) 279 881	and marketing, (27) 572; (32) 252. through the creamery, (27) 179. hatchability, (34) 178; (40) 77.
care, (28) 369, 395.	hatchability, (34) 178; (40) 77.
care and marketing, (30) 773.	hatching, Chinese inclinator method, (30) 572,
care, (25) 505, 505. care and marketing, (30) 773. care on the farm, (32) 763. changes in during incubation, (30) 170. changes in during storage, (32) 854.	importation from Ollina, (31) 76, 370.
changes in during storage, (32) 854.	increasing size of. (29) 574.
changes in during storage, (32) 854. characteristics, (38) 577. chemistry and bacteriology of, (28) 860; (31)	importation from China, (31) 76, 370. improving quality of, (29) 472; (34) 179. increasing size of, (29) 574. incubated, formation of δ -lactic acid in, (28)
chemistry and bacteriology of, (28) 860; (31) 570.	564, 711. incubating—
chemistry of. (26) 258.	carbon dioxid thrown off by. (33) 575.
Chinese preserved, analyses, (36) 362.	metabolism of, (26) 877.
cholesterol metabolism of during incubation, (33) 472.	metabolism of, (26) 877. incubation, (31) 173; (36) 871; (38) 796, 876; (39) 75, 481, 781; (40) 872, 671. incubation experiments, (28) 773; (29) 275; (32)
classification, (31) 759, 770.	incubation experiments. (28) 773: (29) 275: (32)
classification, (31) 759, 770. classification at New York, (27) 572.	868; (33) 763; (34) 179; (36) 770.
cold storage of, (26) 369.	868; (33) 763; (34) 179; (36) 770. Infected, toxicity, (35) 264, 481, 683. Infection by pathograph better (25) 284

Eggs-Continued.	Eimeria—
infertile, production, (37) 573.	avium, morphological study, (37) 280.
judging, (29) 395.	avium, notes, (26) 588; (27) 760; (30) 586.
marketing, (26) 271; (27) 773; (28) 599, 773; (29) 875; (33) 273, 673.	spp., notes, (26) 483; (32) 180.
marketing—	spp., studies, (30) 759. stiedae as cause of coccidiosis in calves, (38)
cooperatively, (26) 92: (28) 669: (32) 870:	183.
cooperatively, (26) 92; (28) 669; (32) 870; (34) 178; (38) 392.	stiedae, parasitic in liver of dogs, (37) 280.
in Canada, (38) 294.	zurni-rivolta, studies. (40) 290.
in Ontario, (29) 70.	EINKOFN—
in Wisconsin, (28) 593.	milling and baking tests, (40) 234.
through creameries, (33) 294.	temporary roots in, (35) 135.
meaning of size, (34) 770.	varieties, (27) 137; (32) 528. Elaphidion—
methods of analysis, (32) 109; (33) 258.	mite, notes, (28) 858; (31) 58.
monthly receipts, (26) 94, 190, 491, 595; (28) 871. mycology of, (26) 355.	villosum, notes, (28) 156; (33) 58; (34) 752; (38)
natural incubation, (39) 781.	157.
nest, (37) 70.	Elasmidae of Australia, (28) 563; (39) 154.
nutritive value, (31) 65, 161.	Elasmopaipus ngnosenus—
of hybrid ducks, nonfecundibility, (29) 167.	notes, (39) 765.
opened, grading, (40) 372.	studies, (37) 851. Elasmus—
osmotic activity in, (27) 311. ostrich, (39) 781.	apanteli n.sp., description, (31) 355.
ovomucoid and sugar in, (28) 65.	aspidiscae n.sp., description, (36) 556.
packing, (38) 94.	mordax n.sp., description, (36) 556.
partly incubated, shipping, (38) 677.	Lister segetis, notes, (34) 757.
photographic examination, (40) 115.	Elaterid larvae, remedies, (31) 852.
pigeons'—	Elateridae—
bilaterality of, (28) 668.	of Brazil, (35) 261. phylogeny, (38) 564.
sexual differentiation, (33) 272.	Elder—
preservation, (26) 270, 369; (27) 374, 663, 674, 763; (28) 359, 694; (29) 172, 765, 875; (30) 271; (31) 76; (32) 470, 854, 870; (33) 299; (34) 470; (35) 396; (36) 870; (37) 268, 473, 668, 682; (38)	barium in, (26) 432.
703; (28) 359, 694; (29) 172, 765, 875; (30) 271;	cork from, (31) 312.
(31) 70; (32) 470, 334, 370; (43) 299; (34) 470;	frost injuries, (29) 547.
867; (39) 379, 780, 781.	leaves, composition, (31) 312. marsh, analyses, (34) 39.
preservation in China, (29) 59.	marsh, analyses, (34) 39.
preserved, bacteria in, (33) 764.	notes, (30) 145.
prices-	Elderberries, culture experiments, (32) 540.
as affected by cold storage, (28) 871; (35)	cooking—
	appliances, (31) 856; (40) 559.
in Chicago, (32) 490.	economics of, (35) 267.
in ireland, (31) 96.	tests, (27) 65.
in Chicago, (32) 490. in Ireland, (31) 96. purin content, (40) 205. refrigeration, (27) 461; (28) 563; (33) 660. relation between spoiling and age, (31) 759, 770. seasonable variation in quality, (34) 669. selection for incubation, (33) 77.	current— cost of, (30) 88.
relation between spoiling and age. (31) 759, 770.	effect on concrete, (28) 589.
seasonable variation in quality, (34) 669.	effect on transmission of excitation in plants
	and animals, (34) 29.
shipping, (26) 271.	use in soil analysis, (28) 519, 520.
shipping—	equipment and transmission, treatise, (37) 287.
associations, (33) 91.	equipment for farms, (36) 400.
by parcel post, (31) 370; (32) 572; (38) 72;	heater for ether extraction, (27) 508. heater for orchards, (39) 46.
(39) 780.	heating, treatise, (37) 387.
by parcel post and express, (37) 682. from New Zealand to Vancouver, (29) 70.	heating units and ranges, descriptions, (36) 562. incubator for bacteriological work, (29) 222.
in carlots, (39) 378.	incubator for bacteriological work, (29) 222.
standardizing, (38) 298.	light and power for rural service, (34) 488; (36)
statistics, (31) 165.	890.
statistics in United States, (28) 390; (33) 894.	lighting— for farms, (27) 90, 485, 589; (30) 89, 388; (36)
storage, (32) 356; (39) 770.	590.
structure and composition, (32) 854. structure and quality, (32) 870.	for farms, treatise, (27) 388.
supervision and marketing, (31) 357.	plants, storage batteries in, (27) 790.
supply and consumption in Ithaca, N. Y., (33)	motors—
572.	connecting for direct drive, (30) 190.
tanners', denaturization, (27) 62.	cost of operation, (27) 485.
testing, (31) 173.	for irrigation numping, (38) 186. for pumps, (39) 87.
time required to fertilize, (26) 470.	niagaras, use against hail, (30) 511; (34) 208.
turning by the incubating hen, (26) 772.	oven, description, (29) 567.
use in the dietary, (29) 862. variations in, (31) 569, 669.	ovens, notes, (34) 460.
weight in relation to dimensions, (36) 73.	ovens, notes, (34) 460. paragreles, (31) 615.
weight in relation to rations, (34) 179.	plowing, (39) 88.
weight of, (33) 672, 673; (36) 570.	power plant at Powersite, Mo., (28) 716. power, rural distribution of. (30) 589.
Weight of parts, (26) 503.	response in cotton plants, (29) 27.
weights and measurements, (29) 275. white v. brown shelled, (39) 376.	service, rural, in Wisconsin, (37) 189.
Eggshell color, studies, (36) 870; (39) 781.	slag, fertilizing value, (27) 725.
Eggshells—	stimulus, application to animal life, (30) 674.
analyses, (38) 626.	substations, cooperative in Denmark, (28) 487.
in fowls as affected by male parent, (32) 263.	Electrical conductivity—
penetration by microorganisms, (29) 765.	in plants, (30) 523. in plants, measurement, (33) 626.
structure, (29) 276.	of solutions, measurement, (36) 503.
Egrets, protection, (38) 556. Ehretia hottentotica, analyses and digestibility,	Electricity—
(27) 871; (32) 167.	agricultural, treatise, (26) 893.
Eichhornia speciosa, stomatal movement in. (26)	atmospheric, effect on plants, (30) 430; (40) 424.
627. Eight-spotted forester, notes, (37) 158, 255.	atmospheric, variations at sunset and sunrise, (36) 419.
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```
Electromotive phenomena in plants, (26) 227; (28) 731; (32) 522; (36) 732. Electraris palustris, digestibility, (32) 770.
          Electricity-Continued.
            effect on-
                                                                                                                                                                            Eleodes-
                                                                                                                                                                          Eleodes—
omissa borcalis, notes, (30) 161.
spp., investigations, (27) 260.
sulcipennis, notes, (27) 561.
tricostata, notes, (39) 363, 565.
Eleodiphaga n.g. and n.spp., descriptions, (40) 653.
Eleolite as a source of potash, (26) 426.
Elephant grass—
                                                                                                                                                                                        composition and culture, (36) 230.
                                                                                                                                                                            notes, (30) 527.
Elephantorrhiza elephantina, culture experiments.
                                                                                                                                                                            (37) 730.
Elephants, domestication in Belgian Kongo, (34)
_376.
                                                                                                                                                                            Eleusine-
                                                                                                                                                                                        coracana
                                                                                                                                                                           coracana—
analyses, (38) 368.
analyses and digestibility, (28) 464.
culture experiments, (32) 227; (38) 135.
notes, (27) 32; (30) 229.
indica, analyses, (28) 463.
spp., notes, (26) 361.
Eleutheroda dytiscoides in Hawaii, (34) 59.
                                                                                                                                                                            Elevator-
                                                                                                                                                                                        dust, analyses, (38) 666.
hay and grain, description, (30) 690.
                                                                                                                                                                           Elevators—
cooperative—
accounting system for, (33) 192.
grain, in Iowa, (32) 593.
in Minnesota, (32) 688; (34) 392; (36) 790.
warehouse, in Wisconsin, (28) 593.
farmers', in Ohio, (40) 592.
Government operation, (40) 688.
grain, funigation, (30) 155.
grain, in Canada, (32) 894; (33) 492.
focal and terminal, (35) 296, 393.
Elidinae, studies, (28) 455.
Elimoea appendiculata, notes, (31) 249.
Elis—
                                                                                                                                                                            Elevators-
                        in—agriculture, (26) 789; (27) 89, 292, 388, 484, 485, 790, 891; (28) 290, 533; (30) 88; (33) 690, 890; (34) 87, 287, 686. cafeteria cooking, (34) 861. cooking, (27) 463; (28) 167; (33) 67, 68, 461,
                         565. cooking and heating, (30) 166, 862; (32) 65; (33) 558; (36) 763. dairies, (27) 690.
                                                                                                                                                                                        atriventris n.sp., description, (31) 355.
spp., introduction into Mauritius, (39) 869.
spp., parasitic on May beetles, (31) 458.
dairtes, (27) 690.
greenhouses, (30) 488.
hail protection, (31) 416.
ice harvesting, (28) 187; (30) 892.
irrigation, (28) 289; (33) 584, 589.
v. horsepower for threshing, (28) 591.
v. steam for filling silos, (32) 590.
v. steam for threshing, (28) 685; (30) 590.
v. steam in drainage pumping, (31) 890.
waterfall, (34) 414.
Electro Bordo Pulp, analyses, (31) 142.
                                                                                                                                                                            Elk-
                                                                                                                                                                                        book on, (38) 53.
                                                                                                                                                                                        in Jackson Hole, Wyo., (26) 652.
                                                                                                                                                                            Elm-
                                                                                                                                                                                      analyses and nutritive value, (35) 184. aphids, notes, (30) 854. aphis, woolly, notes, (39) 258. bark beetle, European smaller, notes, (27) 255. bark beetle, studies, (27) 658. blight, notes, (28) 287. blight, notes, (28) 246. borer, notes, (27) 256, 658; (28) 653; (29) 252. case bearer, European, notes, (28) 158; (37) 255. caterpillar, spiny, notes, (28) 158. cluster louse and woolly apple aphis, identity, (34) 357. forcing experiments, (38) 443.
 Electrocardiogram—
of embryo chicks, (31) 173.
of horses, (30) 784.
Electrochemistry, treatise, (26) 818.
   Electroculture-
             experiments, (33) 827; (34) 727; (35) 524; (39) 230, 616, 785; (40) 147, 428, 429.
                                                                                                                                                                                        forcing experiments, (38) 443.
gall louse, notes, (27) 658.
leaf aphids, notes, (29) 654.
             experiments—
at Halle, (27) 231.
distribution of overhead discharge wires in,
                                                                                                                                                                                        leaf beetle—and control, (39) 564.

life history, (36) 461.

notes. (26) 147; (27) 554, 658, 755; (28) 57, 158, 351, 752; (30) 153, 655, 656; (33) 153, 253; (34) 752.

remedies, (29) 556.

reproduction in (32), 351.
leaf curl, notes, (27) 555; (28) 251.
leaf miner, life history and remedies, (29) 557.
leaf miner, notes, (27) 658; (28) 351.
leaf rosette, studies, (36) 755.
leaf spot, notes, (27) 755.
pouch gall, English, notes, (33) 253.
root diseases, notes, (30) 147.
sawfly leaf-miner, notes, (28) 57.
sawfly, notes, (28) 57.
sawfly, notes, (28) 57.
                                                                                                                                                                                        leaf beetle-
  distribution of overhead discharge wires in, (32) 486.
in Prussia, (27) 531.
résumé and methods, (30) 33.
review of literature, (33) 690.
studies, (28) 326.
Electrolysis, in chemical industry, (40) 109.
Electrolyte solutions, effect on germination, (29) 218.
  Electrolytes
             absorption and excretion by lupines, (32) 824. effect on—
                          coagulation of clay suspensions, (31) 618.
germination of seeds, (37) 431.
hydrolysis of starch by malt amylase, (37)
  613.
permeability of plant cells, (27) 732.
seeds, (33) 727.
exosmosis from plant tissue, (34) 731.
measuring conductivity, (34) 732; (38) 523.
rôle in action of animal ferments, (27) 712.
synergetic action, (39) 630.
Electrolytic apparatus, platinum substitute for,
                                613.
                                                                                                                                                                                                       European, notes, (28) 353; (29) 158, 251; (40)
                                                                                                                                                                                                           161
                                                                                                                                                                                                      European, prevalence in California, (27)
   Electrometric titrations of solutions containing pro-
                                                                                                                                                                                         notes, (26) 856.
scurfy scale, notes, (26) 147.
        tein, (39) 611.
```

Elm—Continued.	Empoa rosae—Continued.
seed oil, characteristics and feeding value, (29)	life history and remedies, (39) 61.
snout beetle, reddish, notes, (27) 256.	notes, (32) 651; (35) 853. Empoasca—
tree beetle, destruction by English sparrows,	australis n.sp., description, (40) 261.
(38) 457. tree louse, woolly, notes, (27) 658.	mali, see Apple leafhopper and Potato leaf-
tree louse, woolly, notes, (27) 658. tree, notable, (28) 395.	hopper. obtusa, description, (35) 255.
twig disease, description and treatment, (27)	sp. affecting pecan, (38) 762.
451. Elms—	trifasciata, early stages, (39) 360. unicolor as apple pest, (40) 57.
as host plant of apple aphis, (30) 548.	unicolor, life history and habits, (38) 859.
as host plant of apple aphis, (30) 548. carpenter worm affecting, (31) 550.	Empria—
dying, (27) 255; (28) 345, 853. growth observations, (28) 344. insects affecting, (30) 455. nutrient absorption in, (32) 748.	fragariae n.sp., description, (33) 258. spp., studies, (34) 758.
insects affecting, (30) 455.	Empusa—
nutrient absorption in, (32) 748.	aphidis, investigations, (26) 454.
utilization, (39) 546. Elodea—	aulicae, notes, (29) 855. elegans n.sp., studies, (31) 251.
canadensis, precipitation of iron by, (26) 326.	grylli, affecting locusts, (26) 247.
leaves, parasitic bacteria on, (26) 552.	muscae—
Elophidae, new genus from United States, (35) 857. El-R'och, notes, (28) 782.	as carrier of bacterial infection, (30) 553. destruction of flies by. (34) 254.
El-R'och, notes, (28) 782. Elytrosan, tests, (28) 380.	destruction of flies by, (34) 254. notes, (30) 757; (37) 764. papatasii, notes, (35) 57.
Embankments, preventing erosion of, (28) 736.	papatasii, notes, (35) 57.
Embolism, encranial strongylogenic, notes, (29) 478. Embryo sac—	sphaerosperma, notes, (27) 562. spp., descriptions, (33) 459.
as a colloidal system, (36) 526.	tampyridarum, notes, (26) 253.
development in citrus fruits, (28) 524.	Empyemia of facial sinuses, treatment, (40) 181.
Embryology— discussion, (27) 175	Empyreuma lichas, notes, (36) 355. Emulsin—
discussion, (27) 175 notes, (26) 365.	as affected by heat, (26) 310.
of chicks and pigs, pamphlet, (29) 371.	cleavage of organic acids by, (30) 503. colloid in acorns, notes, (28) 528.
treatise, (26) 876. Embryomas in plants, (38) 752.	effect on—
Embryonic development, control, (27) 274.	alcoholic fermentation, (27) 426.
Emersonopsis, erection, (36) 859.	gentiopicrin, (29) 505. plant respiration, (27) 221, 426.
Emetin, germicidal action, (38) 180. Emigration from Roman Tuscany, (33) 492.	respiratory pigments of plants, (26) 327.
Emmer—	respiratory pigments of plants, (26) 327. salicin, (27) 408; (29) 506. in alfalfa, (32) 411.
culture—	in tobacco plant (31) 204
and variety tests, (40) 333. at Belle Fourche, (40) 332.	in tobacco plant, (31) 204. synthesizing and hydrolyzing action, (28) 609.
at Belle Fourche, (40) 332. experiments, (28) 532; (29) 225; (32) 132, 526,	synthetic action, (29) 505.
	Enarmonia— batrachopa, notes, (31) 752.
34, 133, 830; (37) 330; (38) 634; (39) 735. in eastern Oregon, (32) 730.	caryana, see Laspeyresia caryana.
Indiana, (40) 735. sand hills of Nebraska, (35) 827.	interstinctana, notes, (32) 651.
South Dakota, (39) 739.	interstinctana, popular account, (39) 557. pyricolana, notes, (40) 756.
southern Idaho, (36) 227.	Encarsia—
southern Idaho, (36) 227. Texas Panhandle, (29) 429; (35) 440.	elegans, notes, (26) 149.
Wyoming, (38) 527. under dry farming, (36) 528, 529.	partenopea, studies, (36) 759. Encephalitis, outbreak in Kansas and Nebraska,
under irrigation, (34) 528.	(29) 587.
fall-sown, in Maryland and vicinity, (36) 736.	Encephalomyelitis—
hardiness, relation to sap density, (39) 430. milling and baking tests, (40) 234.	epizootic, in horses, (30) 485. equine, notes, (36) 780.
milling and bread making qualities, (28) 458.	equine, review of literature, (31) 87.
Prussian and other forms of, (35) 441. seeding experiments, (29) 225; (40) 334.	Enchenopa binotata, life history, (27) 256; (34) 356. Enchiladas, preparation, (27) 665.
series of wheat varieties, (40) 636.	Encyrtidae—
series of whoat varieties, (40) doc. temporary roots in, (35) 135. varieties, (26) 39; (27) 32, 137, 334, 736; (29) 222, 225, 425, 425; (30) 135; (32) 334, 431, 527, 528; (33) 34; (34) 733; (35) 228, 229; (36) 32, 33, 132, 634, 836; (37) 332, 530, 641; (38) 634. varieties for Utah dry lands, (38) 230. variety tests, (39) 228, 738. wild, discovery in Asia Minor, (28) 761.	new genera and species, (39) 154.
Varieties, (26) 39; (27) 32, 137, 334, 736; (29) 222, 225, 425, 428, (30) 135, (32) 334, 431, 527, 528	polyembryony, (40) 653. Encyrtinae—
(33) 34; (34) 733; (35) 228, 229; (36) 32, 33, 132,	new genera and species, (40) 359.
634, 830; (37) 832, 530, 641; (38) 634.	new species, descriptions, (26) 254. Encyrtus—
variety tests (30) 228 738	mayri, studies, (28) 560; (36) 759.
	sericophilus n.sp., description, (27) 865.
winter, studies, (26) 132. yields, (27) 734; (39) 333.	Endive—forcing, (36) 443.
yleids, (27) 734; (39) 333. Emmesomyia n.g. and n.snn., notes, (38) 659.	greenhouse-grown, (39) 748.
Emmesomyia n.g. and n.spp., notes, (38) 659. Emodin-bearing drugs, identification, (37) 509. Emperorrhinus defoliator n.sp., description, (35)	liming experiments, (40) 134.
Emperorrhinus defoliator n.sp., description, (35)	mulching experiments, (38) 344. mulching v. clean culture, (33) 534.
365. Emphor bombiformis, life history, (26) 657.	rot, description, (36) 648.
Emphysema, pulmonary—	Endoblastoderma salmonicolor, assimilation of at-
Emphysema, pulmonary— cause and treatment, (26) 486; (27) 576.	mospheric nitrogen by, (30) 629. Endocardial lesions in horses during pneumococcus
in cows, (29) 287. Emphytus—	infection, (40) 784.
braccatus, notes, (30) 857.	Endocrine gland extracts, effect on milk produc-
cinctus, notes, (35) 54.	tion, (37) 173. Endometritis—
filiformis, relation to oak mildew, (30) 544. Empidonax—	effect on milk, (32) 479.
spp., feeding habits, (28) 57.	effect on milk, (32) 479. in cattle, studies, (28) 586. Endomyces hylecoeti, notes, (28) 858.
traillii brewsteri n.subsp., studies, (39) 556.	Endomyces hylecoeti, notes, (28) 808. Endoparasites—
Empoa rosae—see also Typhlocyba rosae. in Nova Scotia, (38) 156.	in Queensland, (39) 556.
ife history and habits, (38) 859.	of rats and mice, (27) 754.

Endophylloides portoricensis n.g. and n.sp., notes,	Engineering—Continued.
(37) 552.	nandbook, (29) 289, 893; (32) 188.
Endophyllum—	handbook, (29) 289, 893; (32) 188. highway, textbook, (30) 289. hydraulic, treatise, (33) 390.
n.sp., description, (32) 749; (33) 647. new combinations, (37) 552.	mechanical, reference book, (31) 287.
sempervivi, life history, (30) 745.	meteorological data in, (28) 415.
sempervivi, life history, (30) 745. sempervivi, studies, (28) 845.	structural, treatise, (33) 487.
Endosperm, effect on development of plants, (29)	Engines—
421, 629.	antifreezing solutions for, (34) 891.
Endothia— gyrosa distribution in America, (38) 52.	cooling, (27) 791.
gyrosa parasitica, studies, (29) 552, 753.	cost of fuel for, (30) 88.
havanensis, studies, (37) 353.	automobile, for power pumping, (40) 188. cooling, (27) 791. cost of fuel for, (30) 88. Diesel, tests, (32) 485.
parasitica—	iarm, nandbook, (50) 89.
and related species, (36) 548. as affected by tannin, (36) 149.	for driving mechanism of binders, (27) 293. fuel consumption and energy utilization in, (31)
ascospore expulsion in, (32) 346; (35) 154.	385.
description and treatment, (29) 451.	fuel oil, principles of, (28) 200; (29) 891.
discussion, (40) 159.	gas and gasoline, see Engines, internal-com-
dissemination, (31) 451; (32) 55; (33) 56. effect of continuous desiccation on, (34) 56.	bustion.
effect of dves on. (39) 153.	handbook, (31) 385. heavy oil, discussion, (30) 188.
effect of dyes on, (39) 153. hosts of, (33) 554. in China, (29) 753. in Japan, (34) 848.	internal-combustion-
ın China, (29) 753.	adjusting, (34) 788.
in Japan, (34) 848.	antifreeze solutions for, (40) 191.
in southern indiana, (35) 551.	carburetors, adaptation to low volatile fuels, (40) 191. care and operation, (31) 891; (35) 391.
longevity of pycnospores and ascospores, (33) 249.	care and operation, (31) 891; (35) 391.
morphology and life history, (31) 246.	chart for, (33) 890.
morphology and life history, (31) 246. notes, (30) 456, 543, 751; (31) 845; (36) 150.	chart for, (33) 890. compression in, (35) 494. construction and operation, (34) 487.
persistence of pycnospores, (34) 546.	construction and operation, (34) 487.
SEUCIES, (29) 156; (31) 751; (33) 551; (37) 557.	cooler for, (36) 287. cooling, (30) 291. description, (29) 592.
transmission by inserts. (34) 853.	description, (29) 592.
persistence of pycnospores, (34) 546. studies, (29) 156; (31) 751; (33) 551; (37) 557. threatening Pacific States, (34) 354. transmission by insects, (34) 853. pseudoradicalis n.sp., description, (30) 52.	effect of compression on, (31) 890.
1 Adicans—	efficiency formula for, (30) 590. exhaust gases of, (35) 791. explosion period in, (35) 87.
on Pasania sp. in Japan, (34) 848.	exhaust gases of, (35) 791.
relation to Diaporthe parasitica, (27) 451;	explosion period in, (35) 87.
(28) 551. studies, (29) 156, 351.	fuel consumption of, (31) 890.
spp. as affected by ether. (35) 250.	for pumping, (32) 87. fuel consumption of, (31) 890. fuels for, (30) 690; (31) 386; (36) 399; (38) 893. heat balance of, (31) 290.
spp. as affected by ether, (35) 250. spp., pigments, (38) 225.	heat balance of, (31) 290.
spp., relation to tannin content of host plants, (32) 646; (35) 250. spp., relation to Diaporthe parasitica, (28) 651.	in Danish agriculture, (31) 187. increasing output of, (33) 688.
(32) 646; (30) 200.	indicator diagrams (21) 688.
spp., studies, (29) 553.	indicator diagrams, (31) 688. installing, (34) 891.
Virginiana n.sp., description, (28) 750.	jacket water requirements, (29) 292.
Virginiana, notes, (29) 651.	kerosene for, (30) 892; (32) 687. locating troubles, (28) 787.
Endotin—	locating troubles, (28) 787.
tests, (26) 180. use against tuberculosis, (26) 284.	lubricating oils for, (29) 892; (30) 690; (32) 86. lubrication, (27) 790.
Enemas, nutrient, absorption and utilization, (34)	magnetos for, (38) 893.
258.	naphthalin for, (30) 189.
Energy—	naphthalin for, (30) 189. nomenclature, (38) 893.
content of extra foods, (40) 269.	notes, (30) 388; (31) 186.
exchange in animal tissues, (33) 567. expenditure in walking, (28) 871, 872.	operation, (35) 188; (36) 587.
from food products, conservation, (39) 768.	operation and efficiency, (34) 891. port area and power, (38) 893.
human, rational utilization, (31) 861.	power variation and losses in. (31) 290.
latent and kinetic, conversion in animals, (32)	pressures in, (29) 892. running, (40) 291.
860.	selection and care, (27) 790.
metabolism and protein metabolism, relation, (32) 563.	short-course instruction in, (38) 400; (38) 95.
metabolism as affected by—	starting, (33) 589.
carbohydrates, (28) 570.	steam as a by-product of, (33) 688.
malnutrition, (32) 661.	tests, (28) 384; (30) 290; (32) 281; (33) 890; (35) 889.
overfeeding, (28) 261. metabolism—	trentise, (28) 84, 384; (29) 86, 184; (30) 487;
during muscular work, (32) 765.	treatise, (28) 84, 384; (29) 86, 184; (30) 487; (31) 92, 385, 590; (32) 788; (34) 287; (36) 287.
of fowls, (33) 472.	use of Kersosene in, (31) 187.
of infants, (33) 464, 756.	utilizing waste heat of, (30) 890.
muscular, origin, (29) 466. production—	valve mechanism, (38) 593. valve setting, (33) 688.
as affected by food intake, (26) 160, 565.	Refosane out tasts. (30) 88.
in relation to diet and body condition, (37)	ou and gasoline, for irrigation, (38) 186.
469; (39) 772.	oil, for irrigation pumping, (33) 87, 688. oil, fuel for and effects of altitude, (39) 792.
rations, utilization by cows, (39) 75, 381. requirements—	oil, fuel for and effects of altitude, (39) 792.
in disease. (32) 563.	oil, fuel-saving device for, (31) 385. oil, testing, (35) 889.
in nutrition, (39) 568.	service tests, (29) 892.
in nutrition, (39) 568. of infants, (39) 876. of man, (35) 871. transformations—	steam, for sun power plants, (29) 787.
of man, (35) 371.	steam, tests of fuel, (38) 291.
in germinating speeds (28) 595	steam v. internal-combustion, for farm power, (32) 589.
in the body, (30) 466, 563.	traction and portable, uniform boiler laws for,
in germinating seeds, (36) 525. in the body, (30) 466, 563. relation to food ingested, (40) 270.	(34) 588.
values of alfalfa hay and starch, (40) 365.	tractor, see Tractor engines.
Engineering—see also Agricultural engineering. courses, disrespect of students for, (37) 893.	truck and tractor, notes, (36) 588.
experiment stations in United States, (35) 708.	two-cylinder opposed, tests, (31) 487. v. horses for disking and plowing, (39) 336.
	and the second s

- 11.1.	= 1 1 C
English—	Entomology—Continued.
Arboricultural Society, notes, (28) 795.	economic—continued.
hay, digestibility, (39) 171. sparrows, see Sparrows.	in United States, (33) 855. Western Australia, (31) 452.
Enicospilus heliothidis n.sp., description, (30) 256.	manual, (32) 56.
Enin, studies (34) 709.	progress in. (27) 655; (32) 97; (34) 449.
Enin, studies (34) 709. Enkabang tallow, detection, (29) 613. Enneapogon mollis in Ascension Island, (39) 837.	progress in, (27) 655; (32) 97; (34) 449. textbook, (33) 652.
Enneapogon mollis in Ascension Island, (39) 837.	elementary, textbook, (27) 898.
Ennomos magnarius, notes, (28) 157.	forest—
Enological—	in United States, (27) 858.
investigations, (28) 209; (34) 207.	textbook, (29) 853; (32) 151. treatise, (30) 851.
station at Haro, report, (27) 540.	treatise, (30) 851.
Enology, textbook, (35) 744.	handbook, (30) 851.
Enstatite, fertilizing value, (40) 815.	high school, notes, (31) 395. imperial bureau of Great Britian, (28) 799.
Entamebae, photomicrographs of, (29) 478. Entamoeba—	importance of, (32) 846.
apis, injurious to bees, (26) 457.	in public schools. (37) 459.
coli, notes, (26) 246.	in public schools, (37) 459. in United States, history, (27) 656.
histolytica, transmission by flies, (38) 563.	in West Indies, (26) 346.
spp., notes, (27) 356.	international congress, (27) 399.
Entedon thomsoni n.sp., description, (30) 661.	life zones in, (36) 456.
Enteritidis paratyphoid group—	medical—
differentiation, (39) 188, 587.	and veterinary, treatise, (34) 850.
studies, (40) 478, 780. Enteritis—	as factor in the war, (40) 754.
bacillary, transmission by flies, (38) 363.	textbook, (30) 852.
chronic, see Johne's disease.	textbook, (30) 852. treatise, (32) 846.
coccidial, in chicks, (37) 182.	North American, bibliography, (20) 147.
ın birds, (30) 786.	paper on, (31) 155.
calves, (39) 686.	teaching in public schools, (35) 897. textbook, (38) 93.
man caused by fowl cholera bacillus, (39) 186.	treatise, (28) 451; (29) 555; (38) 357.
pigs, (33) 774; (40) 784.	Entomophthora—
sheep, (34) 275.	chromaphidis n.sp., notes, (39) 464.
paratuberculous—	in Hawaii, (40) 854.
complement-fixing antibodies in, (31) 882. in cattle, (30) 583.	pseudococci n.sp., description, (28) 746.
Enterohepatitis—see also Blackhead.	spp., descriptions, (33) 459.
in fowls, studies, (26) 89.	tampyridarum, notes, (26) 253.
notes, (26) 881.	Entomophthoreae, parasitism, (32) 245.
Enterokinase-	Entomoscelis adonidis, notes, (31) 548.
effect on generation of trypsin, (29) 662.	Entomosporium—
properties, (32) 858.	maculatum—see also Pear and Quince leaf
Entoloma microcarpum, association with termites,	blight.
(31) 58.	description, (26) 449.
Entomoid, tests, (28) 352; (30) 156.	description, (26) 449. notes, (34) 846; (38) 853. mespili, notes, (27) 350.
Entomological—	Entomothera coromanda, subspecies of, (35) 252.
accessions, notation system for, (31) 452.	Entoromorpha intestinalis, analyses, (26) 324.
collections for common schools, (29) 395.	Entorrhiza, studies and bibliography, (32) 749.
collector's handbook, (35) 355.	Entylia sinuate on artichoke, (40) 58.
congress, international, proceedings, (27) 656.	Entyloma spp., life history and cytology, (26) 341.
correspondence, filing, (31) 248. education in United States, (40) 93.	Environment, effect on—
instruction in agricultural colleges, (30) 298.	composition of wheat, (29) 263.
laboratories, new, in Canada, (34) 296.	diet, (26) 465.
nomenclature, treatise, (27) 551.	plants, (33) 126.
problems in South Africa, (32) 56. problems in West Indies, (27) 400; (31) 452.	Enzym—
problems in West Indies, (27) 400; (31) 452.	action— inhibition by lime-softened water, (31) 204
research committee of Great Britain, (30) 852.	monograph (39) 110.
Society of—	monograph, (39) 110. nature, (27) 612, 712; (35) 203.
America, (34) 400. British Columbia (31) 848: (32) 551: (34)	reversibility, (29) 505, 506. starch as a substrate for, (30) 315. studies, (29) 713; (30) 504, 806; (31) 608, 710,
British Columbia, (31) 848; (32) 551; (34) 651; (35) 253, 755; (37) 459. Nova Scotia, (35) 853.	starch as a substrate for, (36) 315.
Nova Scotia. (35) 853.	studies, (29) 713; (30) 504, 806; (31) 608, 710,
Ontario, report, (30) 52; (31) 155; (36) 456.	701; (32) 710, 803; (34) 111; (35) 709, 802,
Entomology—see also Insects and specific kinds.	803; (39) 203.
agricultural, experimental technique, (37) 355.	treatise, (32) 19.
agricultural, treatise, (35) 355.	as affected by viscosity of medium, (26) 504.
applied—	of milk, (32) 299.
bringing to the farmer, (31) 349.	synthesis, studies, (28) 729.
scope and aims. (32) 448.	synthesis, theory of, (30) 204.
in United States, (31) 248. scope and aims, (32) 448. bibliography, (30) 52, 534, 851; (31) 349; (38) 256. Canadian, bibliography, (26) 59; (27) 551; (31) 648; (33) 553; (35) 852. dictionary, (31) 340	Enzyms—see also Ferments.
Canadian, bibliography, (26) 59; (27) 551; (31)	as affected by—
648; (33) 553; (35) 852.	carbonaceous food, (28) 727.
Cicuonary, (or, ore.	halogens, (28) 609. light, (28) 110.
economic—	light, (28) 110.
and bird protection, (32) 847. at International Congress of Zoology, (33)	hohamier in after riporing of potences (28) 626
450.	chemistry of (27) 802: (34) 502.
bearing of physiology on, (28) 752.	chemistry of, (27) 802; (34) 502. chemistry of, treatise, (30) 409. cleavage of cellulose by, (28) 802. coagulating, action on caseinogen, (32) 607.
in America, (38) 459.	cleavage of cellulose by, (28) 802.
Barbados, (32) 551.	coagulating, action on caseinogen, (32) 607.
British Empire, (36) 251.	composition and formation, (26) 309. determination in sputum, (29) 782.
German Empire, (32) 847.	determination in sputum, (29) 782.
India, (27) 656. Italy, (32) 847.	diastatic, hydrolysis of glycogen by, (29) 166. diffusion from rind toward interior of cheeses,
Montana, (33) 553.	(32) 175.
South Africa, (29) 756.	digestive, action on intestinal parasites, (33)
Trinidad, (27) 656.	478.

Enzyms—Continued.	Eosinophil leucocyte, development, (30) 681.
effect on— glucosids, (28) 503.	Eosinophilia— natural occurrence, (39) 585.
hexose phosphate, (30) 410.	notes, (34) 276.
milk held at low temperature, (31) 373. respiration of plants, (27) 221.	Eosinophils, investigations, (34) 878, 879. Epalpus sp. (?) with intracuticular stage, (33) 157.
saccharin, (26) 257. formation, (30) 111.	Epelis truncataria faxonii, notes, (31) 752; (33) 352. Ephedrus—
formation and regulation by mold fungi, (31)	aestivalis n.sp., description, (34) 363.
730. formation of alkali by. (30) 111.	incompletus, parasitic on rose aphis, (31) 250, nitidus n.sp., description, (38) 165.
formation of alkali by, (30) 111. fungus, studies, (27) 25. handbook, (28) 202.	nitidus n.sp., description, (38) 165. Ephelis oryzae, notes, (38) 547, 848.
hydrolysis of phosphorus compounds by, (29)	Ephestia— cahiritella, notes, (34) 754. cautella, notes, (32) 151; (37) 156.
166. importance in medicine and surgery, (32) 474.	cautella, notes, (32) 151; (37) 156. cautella, studies, (26) 248.
in treatment of diseases. (31) 607.	elutella, notes, (26) 354; (29) 54. kuehniella, see Mediterranean flour moth.
intracellular, studies, (32) 112. method of dialysis, (40) 111.	Ephialtes, notes, (40) 760.
method of purifying, (40) 408. of alfalfa (32) 410.	Ephydra— gracilis, notes, (39) 362.
alfalfa seeds, (28) 710.	macellaria, notes, (38) 363.
animal tissues, (39) 608. apples, (34) 201: (39) 310.	Epiblema tedella, notes, (34) 855. Epicampes macroura as a paper-making material,
apples, (34) 201; (39) 310. Aspergillus oryzae, (32) 710.	(34) 318.
Aspergillus terricola, (33) 410. Botrytis cinerea cultures, (39) 247.	Epicauta—see also Blister beetles. adspersa, cantharidin content, (30) 357.
bread making, (26) 358. cacao, (35) 414.	atomaria, notes, (40) 170. spp., injurious to potatoes, (37) 157
eggs, studies, (28) 64.	spp., notes, (28) 654.
Fucus vesiculosus, (30) 728. germinating red gram, (38) 9.	Epichloe typhina— notes, (30) 746.
large intestine, (36) 366.	on Bromus erectus, (40) 156.
leaves of Salix caprea, (31) 310. Linaceae, (28) 502, 503, (31) 610.	Epicoccum— purpurascens, fixation of nitrogen by, (27) 255.
mammary gland and milk, (32) 411.	sp. on sweet potato, (39) 854; (40) 347. Epididymo-vaginalitis, infectious, in horses, (27)
marine algae, (35) 25. milk, (26) 313.	888.
milk and butter, (38) 479.	Epidinocarsis pseudococci n.sp., description, (34) 456.
milk, filtering, (39) 713. normal serum, (39) 608.	Epidote, solubility of lime in, (40) 812.
pancreatic juice, coagulation, (38) 710. pig ovaries, (27) 670.	Epilachna— borealis, reflex "bleeding", (36) 58.
tobacco plant, (31) 204.	corrupta, notes, (28) 853; (29) 453. corrupta, studies, (37) 465.
washed zymin and dried yeast, (30) 504. yeast, proteoglastic, (39) 607.	corrupta, studies, (37) 465. dregei, notes, (36) 654.
oxidase, notes, (34) 711.	spp., injurious to potatoes, (30) 255.
oxidizing, toxicity of, (28) 443.	vigentioctopunctata, notes, (29) 453. Epilepsy in guinea pigs, (35) 564.
oxidizing, toxicity of, (28) 443. peptid-splitting, in human milk, (26) 803. plant, studies, (32) 523; (34) 428, 731; (35) 334.	Epilobium— angustifolium, textile fibers from, (32) 509.
precipitation by aluminum hydroxid, (30) 504. production and activity of, (34) 32.	factors affecting development, (26) 728.
protective, appearance after injection of foreign	hirsutum, fiber from, (39) 510. hirsutum, germination in light, (31) 323.
substratum, (32) 112. protective, studies, (31) 378; (33) 385.	hybrids of. (35) 818.
proteolytic—	Epimechus spp., notes, (30) 357. Epimecis wiltii, parasitic on spiders, (31) 355.
action and regeneration, (30) 409. activity, (27) 878.	Epimys rattus, history, (35) 656. Epinephrin in fetal pituitary and suprarenal glands,
activity in flour, (35) 265.	(34) 675.
activity in flour, (35) 265. as affected by phosphates, (29) 309. as affected by salt and cold storage, (29) 268. detection, (27) 803. distribution is saimed and reports he king.	Epinotia— fesciolana, studies, (34) 852.
distribution in animal and vegetable king-	fasciolana, studies, (34) 852. nanana, notes, (34) 855.
doms. (31) 377.	piceafoliana, notes, (29) 256. Epiphanin reaction—
in grapé must, (27) 803. of blood, (37) 478.	notes, (26) 579; (29) 881, 882. studies, (28) 375.
plant, inhibitors, (37) 204. textbook, (38) 611.	Epiphytes—
textbook, (38) 611. regeneration, (28) 408.	extreme atmospheric, nutrition, (35) 431. osmotic pressure of, (32) 221.
relation to citrus diseases, (29) 248. relation to manganese, (31) 220.	Epirrita dilutata, notes, (35) 756. Epitetrastichus lecanii n.sp., description, (37) 59.
respiratory, of Sauromatum venosum, (28) 528. review of investigations, (30) 11; (39) 10.	Epithelioma, contagious—
rôle in—	immunization, (30) 785. in chickens. (32) 677.
blood reactions by rigin, (31) 773. denitrification, (32) 112.	in fowls, (30) 884; (34) 189; (35) 885; (37) 78;
immimity, (40) 579.	in chickens. (32) 677. in fowls. (30) 884; (34) 189; (35) 885; (37) 78; (39) 184, 687, 791. in quail, (37) 83.
silage formentation, (36) 802. synthesis of fats by, (26) 307; (27) 108. synthetic action, (31) 608.	virus of. (31) 88. Epitheliosis infectiosa avium, studies. (35) 283.
synthetic action, (31) 608. textbook, (32) 662.	Epithelium, occurrence of fat in. (26) 366.
use in carbohydrate analysis, (35) 206, 315.	Epitrastichus ibseni n.sp., description, (37) 59.
β-Enzyms, distribution in plants, (28) 503. Eocronartium muscicola, studies, (40) 452.	Epitrix— cucumeris, see Potato flea-beetle.
Eomymar n.g. and n.spp., descriptions (27) 554.	fuscula remedies, (34) 361. nigrozenea, notos, (37) 765.
effect on animals, (28) 880.	parvula, see Tobacco flea-beetle.
feeding value, (27) 378. toxicity toward plants, (28) 740.	sp. on castor bean, (40) 453. spp. injurious to horse-nettle, (35) 657.

Epitrix—Continued.	Eriophyes—Continued.
spp. injurious to tobacco, (36) 355; (37) 256.	gossypii, notes, (30) 356.
subscrinita notes, (37) 157. Epiurus indigator, notes, (28) 755.	gossypii, occurrence in Barbados, (27) 60.
Epizootics and their control during war, (38) 287.	malifoliae, notes, (37) 570. n.sp., notes, (36) 261.
Epochra canadensis, see Currant fruit-fly.	n. spp., descriptions, (30) 362.
Eprhopalotus, new genus, (39) 468.	oleivorus, see Citrus rust mite.
Epyris extraneus n.sp., notes, (38) 557.	pruni, remedies, (40) 459.
Equidae— digestion experiments, (31) 769; (32) 262.	pyri, see Pear-leaf blister mite.
teeth, studies, (27) 674.	ribis, life history, (30) 399.
Equilibria in solutions of salts, (39) 203, 204.	quadrisetus, notes, (34) 450. nbis, life history, (30) 399. ribis, notes, (31) 853, 854.
Equisetum—	Sp., Hotes, (31) 152.
arvense, poisoning of horses by (29) 281.	sp. on apples, apricots, and plums, (32) 551.
sylvaticum, eradication, (27) 733. Equitation, treatise, (28) 269.	sp. on poplar, (40) 359. spp., notes, (32) 651.
Equus—	triradiatus on willows, (33) 56.
przewalskii—	vitis, remedies, (26) 561.
hybrids, fertility of, (26) 163.	Eriopus floridensis, see Callopistria floridensis.
notes, (27) 471. spp., hybrid, notes, (26) 269; (28) 68.	Eriosoma—see also Schizoneura.
Eragrostis—	crataegi and E. lanigera, synonymy, (39) 258. lanigerum, see Apple aphis, woolly.
abyssinica—	pyri, identity, (34) 854.
analyses (28) 738; (32) 465.	DVricola, n.sp., description (35) 463
culture in Porto Rico. (29) 631.	pyricola, studies, (37) 661; (38) 560.
notes, (27) 32, 637.	querci, identity, (36) 551. spp., alternate host habits, (39) 464.
major, analyses, (30) 565. spp., analyses, (36) 334.	Spp., atternate nost habits, (35) 404.
spp., analyses and digestibility, (27) 871; (32)	spp., comparison, (35) 464. ulmi, notes, (27) 758; (29) 654.
	uimi, studies, (38) 464.
spp., notes, (26) 361.	Eriosphaeria sacchari, notes, (40) 157.
spp., studies, (38) 66. Erannis tiliaria, see Limes, winter moth.	Erioxylon, glands of, (39) 431. Eristalis—
Hire neans, citilitie experiments, (20) XXII	aeneus, life history, (29) 456.
Erebus odora, notes, (27) 756. Eremaeus modestus, notes, (28) 457. Eremascus fertilis, notes, (28) 562.	sp., relation to intestinal myiasis, (28) 780.
Eremaeus modestus, notes, (28) 457.	Ermine moths, small, notes, (32) 754.
Eremnus fulleri n.sp., description, (33) 159.	Erodium—
Eremocitrus, new genus, description, (31) 237.	bacterial disease of, (32) 53. cicutarium, seeding on ranges, (30) 35.
Erepsin-	cygnorum, analyses, (27) 469.
effect on catalase solutions, (33) 311.	cygnorum, analyses, (27) 469. Erotylidae, catalogue, (26) 560.
protein cleavage by, (36) 108. Erepton, effect on dogs, (28) 568.	Eruca sativa, oil content, (31) 234. Ervum lens, fertilizing value, (26) 233. Erynnia vibrissata, notes, (31) 251.
Erethistes lateralis—	Ervum iens, iertilizing value, (26) 233.
catherinensis, notes, (33) 658.	Erysipelas—
notes, (32) 352.	anaphylatoxin, notes, (28) 778.
Ergates faber, notes, (30) 249.	bacilli, culture differences, (39) 287.
Ergograph for lower extremities, description, (30)	diagnosis, (30) 180.
563. Ergometer—	immunization, (29) 176. in hogs, see Hog erysipelas.
bicycle—	in pigeons and ducks, (39) 287.
calorimetric calibration, (33) 757.	Erysiphaceae—
description. (30) 767.	characteristics, (30) 537.
with electric brake (27) 768.	formation of conidiophores, (27) 351.
brake type, description, (31) 764. Ergot—see also specific host plants.	Erysiphe— communis—
dissemination by insects, (27) 47.	notes, (29) 243.
notes, (32) 337, 441.	spread from wild to cultivated plants, (26)
of Equidae. (34) 568.	243.
of oats, (27) 149. of wild rice, studies. (34) 444.	graminis— 200 846: (28) 140: (34) 644, 845; (36)
toxicity toward cattle, (26) 586; (28) 80.	notes, (26) 646; (28) 149; (34) 644, 845; (36) 846; (38) 48.
Eri silk, notes, (27) 861.	overwintering, (33) 647.
Erianthus cay-cong, description and use. (31) 332.	studies, (33) 146, 847; (35) 651.
Ericaceae, endotrophic mycorrhiza, (39) 26. Ericads, evergreen, xerophily of, (31) 728.	susceptibility of wheat to, (29) 844. treatment, (28) 346.
Ericerus pela, studies, (35) 256.	nolveoni—
Erichlos punctata, analyses, (27) 469.	notes, (28) 52; (29) 450, 650; (30) 351; (33) 545
Erigeron annus and its control, (40) 738.	(34) 52.
Eriocampa adumbrata, notes, (31) 848.	treatment, (32) 545. sp. on tomato, (39) 651. spp., notes, (37) 453, 551, 657.
Eriocampoides—	Sp. on tomato, (37) 453 551 657
amygdalina, studies, (26) 152. cerasi, remedies, (28) 659.	tortilis, notes, (37) 550.
ilmacina, see Pear Sing.	Erythraeus—
Eriocera spp., biological and systematic studies,	arvensis, notes, (27) 561.
(32) 153.	sp., notes, (28) 755.
Eriocheir japonicus as a host of lung distome, (36) 577.	Erythraspides pygmaeus, notes, (37) 255. Erythrina velutina, disease of (35) 354.
Eriochloa—	Erythrite—
punctata, analyses, (28) 463.	as source of carbon for molds, (30) 226.
ramosa, description and analyses, (31) 431.	determination, (26) 709.
ramosa, notes, (26) 361. Eriococcus—	structure of, (28) 506.
azaleae, notes, (37) 255-	Erythorocytes-
azaleae, notes, (37) 255. cockerelli n.sp., description, (30) 549.	nonnucleated, origin, (32) 377.
Eriopeitis coloradensis, notes, (29) 202.	of Australian vertebrates, (34) 577. of ox, pig, and sheep, (38) 481.
Eriophorum vaginatum as a source of noer, (37) 730.	Erythrodextrin—
Eriophyes— calacladophora, notes, (28) 654.	in starch hydrolysis, (40) 460.
effect on maples, (40) 554.	salivary digestion, (36) 661.

```
Ethylgalactosid, sources, (38) 429.
Etiella zinckenella schisticolor, studies, (27) 552.
Etrogs, culture in California, (40) 246.
Eubacteriales, nomenclature and classification, (39)
Erythroneura-
ador n.sp., description, (40) 261.
comes, see Grape leafhopper.
Erythrosin, action of, (28) 880.
Escanaba River, water power projects on, (28) 415.
                                                                                                                                                                                                                   124.
Eucactophagus—
graphipterus, notes, (34) 158.
n.spp., descriptions, (40) 655.
Eucallipterus flavus, notes, (34) 453.
Eucallymnatus tessellatus, notes, (28) 854.
 Escutcheon-
relation to milk and butter production, (34) 670. relation to milk yield, (30) 171, 473. value in judging diary cattle, (29) 775. Eskimos, Alaskan, standard of living, (32) 358.
                                                                                                                                                                                                                  Eucalymnaus resource.

Eucalymtol—
chlorination products, preparation, (38) 378.
toxicity, (39) 586.
Esparto—
grass dust, analyses, (28) 523.
notes, (31) 832.
Espersette, culture experiments, (33) 33.
Essence industry, manual, (35) 717.
Essences, determination in liquors, (35) 717.
Essential oils, see Oils, essential.
Essiglla pini n.sp., description, (40) 651.
Esparto
                                                                                                                                                                                                                   Eucalypts—
and their products, (33) 646.
botanical and chemical characters, (35) 841.
                                                                                                                                                                                                                                 botanical and chemical characters, (3t culture and exploitation, (39) 335. culture in Dominica, (34) 438. growth on overflow land, (29) 338. m Coronado National Forest, (26) 51. manual, (30) 447. new species, descriptions, (26) 745. reforestation in the Tropics, (20) 141. tolerance for alkali, (26) 642. varieties, (27) 842; (29) 638. Western Australian, notes, (26) 745. ealvntis-6.
 Esterase
                detection, (33) 713.
distribution in animal body, (37) 308.
of castor beans, (32) 803.
Ester-hydrolyzing substances, activity, (38) 803.
               ers—as affected by temperature, (28) 63.
fatty acid, of glucose, (29) 269.
hydrolytic action, (27) 802.
occurrence in silage, (23) 608.
unsaponifiable, absorption in the intestine, (29)
                                                                                                                                                                                                                varieties, (27) 842; (29) 638.

Western Australian, notes, (26) 745.

Eucalyptus—
australiana n.sp., description, (36) 45.
borer in South Africa, (39) 868.
canker, studies, (39) 254.
critical revision of genus, (39) 146.
crown gall affecting, (28) 447.
culture in northwest India, (28) 643.
culture, treatise, (27) 442.
descriptive notes, (36) 45.
disease, description. (27) 253.
frost resistance in California, (39) 146.
globulus, Hendersonia disease of, (27) 548.
globulus plantations of Nilgiris, (29) 443.
industry in California, (28) 643.
n.spp., descriptions, (34) 742.
oil industry in Nilgiris, (38) 8.
oil, larvicidal value, (34) 359.
platypus, essential oil of (36) 710.
posts, preservation, (29) 443.
pulverulenta, leaf spot of, (29) 156.
rudis, culture experiments, (34) 232.
rudis, yields, (33) 49.
strength and elasticity tests, (27) 43.
variant forms, (38) 45.
yield in California, (28) 239.
Eucelatoria australis, notes, (29) 357.
Eucerchysius scolytif n.sp., description, (34) 453.
Euchardae of Australia, (39) 154.
Euchirinae of British India, (40) 63.
Euchirinae of British India, (40) 63.
                 volatile, determination in citrus oils and ex-
tracts, (34) 410.
 Ether
                detection in ethyl alcohol, (29) 312.
                effect on-
                               ct on—
germination of seeds, (31) 335.
germination of wheat, (27) 220.
growth of Endothia. (35) 250.
hemolytic reaction, (36) 378.
inversion of saccharose, (33) 523.
nitrification, (27) 131.
permeability of plant tissues, (28) 732; (37)
                                 plants, (27) 27, 131.
                               plasma membranes, (26) 824.
seed germination, (26) 131.
soil micro-organisms, (31) 27.
soils, (37) 519.
                extract-
                                determination, (39) 313.
of egg yolk, chemistry of, (28) 503.
of feeding stuffs, (32) 709; (34) 13.
of fodders, composition and digestibility,
(27) 500.
(27) 500.

of hays and fodders, composition and digestibility, (28) 69, 108.
forcing plants with, (28) 897.
forcing strawberries with, (28) 145; (31) 238.
sterilization of soils by, (32) 816.
sterilization of soils by, (32) 816.
sterilization of soils by, (32) 816.
Ethereal oils—
in spruce wood, (29) 504.
production from wood, (28) 50.
Etherization, effect on—
enzymatic activity of bulbs and tubers, (30) 728.
plant metabolism, (20) 127.
Ethers, fruit, character and uses, (30) 258.
                                                                                                                                                                                                                   Euchlean—
and Tripsacum, hybrid between, (36) 27, 28.
mexicana, composition, (33) 162.
Euclea indetermina, notes, (29) 855.
Euclemensia bassettella, notes, (37) 255.
                                                                                                                                                                                                                    Eucoila-
                                                                                                                                                                                                                   kellini, notes, (30) 758.
rapae, notes, (33) 862.
Eucommia ulmoides as a source of rubber, (37) 417.
Eucosma haracana, life history, (33) 655.
                                                                                                                                                                                                                    Eudamus-
                                                                                                                                                                                                                                   proteus, see Bean leaf roller.
tityrus, notes, (35) 356.
  Ethyl-
                 acetate vapor, larvicidal value, (34) 359.
alcohol—
                                                                                                                                                                                                                    Eudemis-
                                adulteration, detection, (29) 312.
assimilation by yeasts and fungi, (28) 824.
effect on soil microorganisms, (31) 27.
effect on synthetic action of emulsin, (29)
                                                                                                                                                                                                                                   botrana-
                                                                                                                                                                                                                                                  biology and control, (33) 555, control, (38) 257; (40) 167, notes. (28) 453; (36) 460.
                                                                                                                                                                                                                                   moth
                505.
insecticidal value, (39) 762.
methods of analysis, (29) 312.
occurrence in silage, (28) 608.
wood waste as source of, (40) 17.
butyrate as affected by glycin, (28) 409.
nitrate, assimilation by plants, (26) 32.
nitrite, determination in spirit of nitrous ether,
(27) 614.
phosphoric acid, hydrolysis by dilute acid and
alkali, (31) 805.
ylene—
                                                                                                                                                                                                                                                  biology and control, (26) 758, 860; (27) 758. destruction by heat, (28) 752; (34) 653. notes, (27) 756, 57; (28) 160; (34) 851. studies, (36) 355; (40) 167, 356.
                                                                                                                                                                                                                                  STUDIES, vo. 30-2
vaccinian—
notes, (28) 884; (33) 352.
remedies, (30) 154; (37) 56; (39) 60.
studies, (28) 857; (31) 463; (36) 54; (40) 753.
                                                                                                                                                                                                                    Euderomphale fuscipennis n.g. and n.sp., descrip-
                                                                                                                                                                                                                    tion, (38) 557.
Euderus columbianus, notes, (36) 556.
Eudiagogus rosenschoeldi, notes, (34) 656.
Eudialeurodicus bodkini n.g. and n.sp., description,
  Ethylene
                 tylene—detection, (29) 529.
effect on plant metabolism, (34) 628.
gas, detection in laboratory air, (30) 227.
gas, detection with sweet pea seedlings, (29) 132.
                                                                                                                                                                                                                     Eudorina as affected by copper sulphate, (39) 27.
```

Euphoria sepulchralis on artichoke, (40) 58. Euphoriana uniformis n.g. and n.sp., description, Euctheola rugiceps, life history and remedies, (38) 265.
Eugenia—
smithii, essential oil of, (36) 710.
uniflora, description and culture, (35) 144.
uniflora host plant of fruit fly, (26) 758. Euphorocera—
claripennis—see also Phorocera claripennis.
notes, (31) 752.
fioridensis, notes, (36) 255.
Euphyllura olivina, notes, (30) 455.
Euphthecia assimilata, hymenopterous parasite of, (26) 657.
Euplectrus—
insuetus n.sp., description, (35) 262.
n.spp., descriptions, (26) 63.
Euplexoptera of Connecticut, (26) 147.
Euproctis—
chrysorthoea see Prome A. II. (31) 355. Eugenics—
and agriculture, (36) 92.
and heredity, treatise, (28) 271.
discussion, (27) 486.
tables of statistical error, (26) 773.
Eugenol. preservative action, (26) 167.
Eugiobulin, solution and precipitation, (31) 804.
Eugonia californica, bird enemies of, (26) 346.
Euguform, use against foot-and-mouth disease, (27) chrysorrhoea, see Brown-tail moth. sp. affecting tea, (34) 652. Eupterocalla opazoi n.g. and n.sp., description, Euhallidaya severinii n.g. and n.sp., description, (32) 851. Eulachnus thunbergii n.sp., description, (40) 651. Eulachon, food value, (38) 468; (39) 570. (37) 460. Eupteromalus-Eupteromalus—
arvensis n.sp., description, (30) 661.
sarcophagae n.sp., description, (35) 262.
sp. parasite on locusts, (32) 60.
tachinae n.sp., description, (38) 165.
Eupterygidae, genera of, (40) 354.
Euptoieta heyesia, notes, (27) 559.
Eurosta solidagunis, notes, (35) 55. Eulecaniumcerasi, remedies, (33) 653. corni, notes, (29) 251; (38) 464. nigrofasciatum, see Terrapin scale. persicae, see Peach scale. pruinosum, notes, (26) 149. Eulophidae— of Australia, (39) 154. of North America, (39) 468. Euryachora Euryacuous—
coffsicola, notes, (38) 51.
sacchari, notes, (37) 553.
Euryacuor rantalis, notes, (28) 752.
Eurydinota lividicorpus n.sp., description, (38) 565.
Eurygaster integriceps—
corrections of (31) 256. Eulophus-Editopuis—studies, (28) 560.
sp., notes, (26) 151.
sp., parasitic on alfalfa weevil, (31) 61.
Eulyptus spp., notes, (30) 357.
Eumarschalia gennadii n.subg. and n.sp., notes, (24) 320. egg parasites of, (31) 256. studies, (31) 59. Eurymus eurytheme, studies, (32) 57. (34) 360. Eurytoma—
amygdalis, biology and remedies, (32) 156.
ctenodactylomyli n.sp., description, (36)
juniperinus n.sp., description, (34) 450.
n.sp., description, (36) 557.
pissodis n.sp., description, (38) 565.
piurae n.sp., description, (30) 59.
pyrrhocerus n.sp., description, (29) 562.
sp., description, (37) 59.
Eurytomidae of Australia, (39) 154.
Eusattus muricatus, notes, (35) 364.
Eusattus muricatus, notes, (35) 364. Eurytoma Eumenes maxillosa, notes, (27) 862. Eumenes maxilloss, notes, (27) 862.

Eumerus strigatus—
in Canada, (37) 565.
in New Jersey, (40) 654.
notes, (28) 158; (30) 458; (31) 757.

Eumeta junodi, notes, (27) 456.

Eumicrosoma benefica—
life history, (34) 363.
n.g. and n.sp., description, (31) 355.
studies, (31) 354.

Eumononyoka picipes n.sp., description, (37) 58.
Eunotus americanus n.sp., description, (35) 262.
Eunonyus— Euscepes— batatae, notes, (28) 158; (30) 356; (33) 554, 563; (37) 256; (38) 864. porcellus, notes, (40) 259. Euonymusbud variation in, (37) 145. japonicusanthracnose disease, new, (39) 758. mildew affecting, (28) 241. respiration investigations, (34) 528. Eusol—santiseptic value, (40) 182.
preparation, (40) 414.
preparation and use, (39) 80, 286.
Eusophera osseatella on potatoes, (39) 466.
Eustrongylus filaria, notes, (30) 381.
Eustylomorphus squamipunctatus n.g. and n.sp.,
description, (32) 658.
Eutane terminalis, notes, (39) 557.
Eutelianae in British Museum, catalogue, (28) 856. Eusol-Oldium, treatment, (27) 855. scale, notes, (31) 548. Eupachylomms rileyi, parasitic on spring grain aphis, (32) 353. Eupachyrrhynchus, n.g. and n.sp., description, (28) 561. Eupad, preparation and use, (39) 80. Eupalus sp., notes, (27) 861. Eupatorium urticaefolium— Eutelusbettilee n.sp., notes, (38) 565.
bruchophagi n.sp., description, (38) 165.
bruchophagi, studies, (40) 862.
sp., notes, (26) 151.
Eutermes relation to milk sickness, (37) 583; (39) 490. toxicity, (38) 685, 883; (40) 681. Eupelminus— Eupelminus—
coleopterophagus n.sp., description, (36) 259.
meteori n.sp., description, (31) 355.
saltator, studies, (39) 265.
swezeyi n.sp., description, (34) 66.
Eupelmis testaceiventris n.sp., description, (28) 162.
Eupelmus monoceros, notes, (31) 58. morio, remedies, (36) 355. Eutettixn. spp., description, (34) 255. tenella, see Beet leafhopper. Euthamia caroliniana, volatile oil of, (36) 206. allynii, studies, (35) 466.
cereanus, parasitic on bee moth, (26) 657.
Eupeodes volucris, parasitic on rose aphis, (31) 250.
Euphagus cyanocephalus, destruction of locusts by, (28) 351.
Euphonias, development of stomach in, (32) 265. Euthripscitri, see Orange thrips. insularis, notes, (28) 250. n.spp., descriptions, (31) 549. occidentalis, studies, (34) 450. pyri, see Pear thrips. tritici, see Flower thrips and Frankliniella tritici. Euphorbia phorbia—
characias latexi, lipases of, (31) 410.
cyparissias as affected by Uromyces pisi, (26)
650; (31) 347.
hemaggluthin content, (30) 503.
latex, chemical constitution, (29) 30.
lorifolia as a source of rubber and ohicle, (28) 49.
of Hawaii, (40) 261.
spp., coagulation of latexes, (27) 44.
spp., coagulation of latexes, (27) 44.
systematic postition of genus, (29) 30.
tirucalli, monograph, (35) 842. Eutochia fullo, notes, (29) 858. Eutrixoides jonesii n.g. and n.sp., description, (28) 560. Eutypa Eutypa—
caulivora, notes, (34) 442.
erumpens, notes, (31) 746; (34) 841.
lutibunda eoffeicola, notes, (33) 51.
Eutypella prunastri, notes, (26) 446.
Euvalsa paulowniae n.sp., description, (38) 648.

Euvanessa antiopa, notes, (28) 158; (29) 251.	Evetria—Continued.
Euxesta— chavannei n.sp., description, (33) 860. notata, larvae of, (36) 359.	buoliana—continued. occurrence on Long Island, (32) 251.
notata, notes, (34) 360.	studies, (32) 654. n.spp., descriptions, (33) 655.
Euxoa— excellens, notes, (38) 60.	resinella, notes, (34) 855. Evolution—
ochrogester notes (39) 448	address on, (31) 727.
ochrogaster, poisoned bait for, (34) 358. ridingsiana, notes, (29) 158; (36) 53.	and formation of species, notes, (39) 825. bibliography, (27) 175; (28) 370.
segetum, see Agrotis segetum. spp., notes, (27) 659. Euzenilliopsis diatraeae n.g. and n.sp., description,	nicingical principles (20) 67
Euzenilliopsis diatraeae n.g. and n.sp., description,	heterozygosis in, (27) 428; (29) 31.
(36) 554. Euzophera—	in animals, (28) 466. in plants. (27) 733.
aeglaella, notes, (35) 656. semifuneralis, studies, (33) 454.	by means of hybridization, treatise, (37) 432. heterozygosis in, (27) 428; (29) 31. in animals, (28) 466. in plants, (27) 733. mutation factor in, (34) 629.
Evania spp. on Stylopyga orientalis, (33) 750.	notes, (26) 346.
Evaporation— and absorption, (38) 210.	relation to heredity, (26) 161. review of literature, (27) 368.
and plant succession in southeastern Washing- ton and adjacent Idaho, (32) 626.	role of selection in, (39) 573.
and rainfall in eastern Pennsylvania, (32) 34.	studies, (26) 878. treatise, (26) 365, 470, 528; (28) 876; (29) 665; (33) 552; (37) 573.
and run-off, relation to precipitation, (40) 810. apparatus, description, (40) 505.	552; (37) 573. Ewes—see also Sheep.
as affected by-	breeding, rations for, (32) 669.
forests, (29) 842. shade, (26) 821.	breeding, roughages for, (31) 367. cull, for early market lambs, (32) 863.
volcanic haze, (29) 721. at different levels above soil surfaces, (29) 615.	cull, for early market lambs, (32) 863. feeding experiments, (33) 171; (39) 168, 372.
devices, description, (37) 409, 503.	maintenance experiments, (36) 667. milk, composition, (40) 775.
effect on soil moisture, (28) 218. formula, (37) 882; (38) 511.	pastures for, (33) 171. pregnant, wintering, (28) 573.
from circular water surfaces, (38) 115, 223. forest and cultivated soils, (37) 418.	range, milk production, (39) 774.
irrigation reservoirs and canals, (34) 387.	Exanthema— coital, in cattle, (31) 381.
lakes, (27) 817. loam and sandy soils, (30) 21.	vesicular, in horses and cattle, (26) 678. Exartema permundanum, notes, (28) 156.
snow surfaces, (38) 209, 416. soils, (29) 125, 615; (31) 25; (36) 421.	Excavating machinery, investigations, (34) 189. Excelsior industry in United States, (30) 845.
soils and plants, relation to weather, (28)	Excitation in plants and animals, (34) 29.
the Nile at Khartum, (28) 27.	Exechia spp., notes, (27) 57. Exenterus diprioni n.sp., description, (34) 456.
the Nile at Khartum, (28) 27. water surfaces, (26) 417, 614; (28) 219; (29) 225, 615; (30) 118, 713.	Exercise—
water surfaces and river deds, (37) 785.	effect on internal organs, (28) 272. in education and medicine, treatise, (34) 261.
in Egypt and Sudan, (27) 817. marshes, (29) 615.	severe, in cold weather at high altitude, (32) 564. Exoascus—
prairie and forest plants, (26) 821.	bullatus, notes, (37) 550.
studies of insects, (31) 350. the atmosphere, (31) 615.	cerasi, studies, (37) 250, 550. deformans—
Turgai-Ural Colonization District, (26) 620. kinetic theory, (36) 719.	biology and treatment, (37) 250, 655.
kinetic theory, (36) 719. lunar periods, (38) 510. measurement, (33) 320; (36) 226; (39) 810.	notes, (27) 849; (36) 347, 750; (37) 550; (38) 50, 546, 550.
multiple effect, studies, (30) 890.	studies, (33) 347. treatment, (27) 855; (28) 152; (30) 50, 353, 448;
observations, (30) 317; (36) 719. paper on, (31) 213.	(31) 749, 843; (32) 241, 842; (35) 458; (40) 749.
relation to-	treatment, (27) 855; (28) 152; (30) 50, 353, 448; (31) 749, 843; (32) 241, 842; (35) 458; (40) 749. instittae on plum, (39) 353. pruni, notes, (36) 751; (40) 749, 845. pruni, treatment, (36) 846.
plant distribution, (28) 212; (29) 826. plant succession, (32) 128; (37) 725; (39) 122. soil bacteria, (27) 516.	pruni, treatment, (36) 849. spp., notes, (28) 747; (31) 540.
wilting of plants, (27) 515.	theobromae, notes, (29) 155.
stations, installation and operation, (34) 509. studies, (28) 812; (38) 522.	equale n.sp., notes, (37) 630.
studies, equipment for, (38) 115.	azaleae, notes, (30) 448. azaleae, treatment, (27) 855.
summer, studies, (26) 628. Evaporator—	citri n.sp., description, (35) 454.
for frozen vegetables, description, (37) 806. vacuum, heat transmission and entrainment in,	hesperidum n.sp., description, (38) 849. oxycocci, notes, (39) 56.
(28) 893.	reticulatum n.sp., description, (29) 450. sp., notes, (28) 551; (29) 446; (30) 247.
Evaporimeter, description, (30) 118. Evergreen—	sp., notes, (28) 551; (29) 446; (30) 247. unedonis n.sp., description, (37) 557.
bagworm, studies, (27) 557. damping off and sun scorch, notes, (29) 547.	vexans, notes, (31) 55, 56; (37) 252; (38) 354; (40) 48.
Evergreens—	Exochomus—
as affected by soils, (29) 513.	constriatus, studies, (29) 355. quadripustulatus, introduction into California,
culture, (36) 535. culture on heath land, (35) 242.	(34) 361. Exophthalmus spengleri, notes, (30) 355.
dwarf, descriptions, (33) 242. injury in winter of 1918, (40) 253.	Exoprosopa n.sp., description, (36) 552.
leaf persistence, (37) 726, of Colorado, (35) 147.	Exorista— arvicola, notes, (28) 558.
SAIRCEON AND CARA. (33) 242.	arvicola, notes, (28) 558. blepharipoda, biology, (39) 658.
water conductivity, (40) 821. winterkilling, (27) 542.	pyste, notes, (28) 554; (30) 654; (31) 752; (36) 155.
Evetria— buoliana—	spinipennis, notes, (37) 764. spp., notes, (28) 755.
in New Jersey, (34) 355. notes. (33) 58; (34) 752; (36) 854; (40) 652.	(Tachina) robusta, notes, (31) 752.
HOMES, COLD DAY, LOSE (ADD 2005) (40) 652.	Exoristoides slossonae, notes, (37) 764.

Exosmosis—	Experiment-Continued.
from roots of anesthetized plants, (32) 626.	stations—continued.
studies, (37) 128.	in Austria, report, (26) 692; (29) 119.
Exosporium-	Canada, (28) 695. China, (36) 799. Dutch East Indies, (35) 696.
durum n.sp., notes, (37) 148. n.spp., descriptions, (37) 748.	Dutch East Indies, (35) 696.
pulchellum n.sp., notes, (37) 148.	France, (38) 406.
ulmi n.sp., description, (27) 451.	Norway, (30) 194; (32) 392.
Experiment—	the Tropics and Subtropics, (28) 820.
farm—	the Southwest, progress of, (35) 1. the Tropics and Subtropics, (28) 820. United States, statistics, (29) 897. insular, investigations at, (38) 601. laws concerning, (32) 496; (35) 94; (36) 598;
at Akola, Berar, description, (35) 135.	insular, investigations at, (38) 601.
at Ottawa, (32) 490.	(38) 95.
potato, in Lancashire, (40) 500. farms, county, (28) 40; (31) 98, 495.	organization and policy, (39) 705.
field at Bromberg, report, (31) 732.	organization and policy, (39) 705. organization lists, (26) 795; (28) 691; (31) 599; (34) 94; (36) 794; (39) 497.
station—	present position and outlook, (40) 1.
activities, value to Nation, (39) 101.	project plan of administration, (32) 13.
at Annas, (30) 599. Cawnpore, report, (31) 732.	relation to reconstruction problems, (39)
Coimbetore report (31) 733	relation to secondary schools of agriculture.
Guadeloupe, publications, (40) 700.	(28) 97.
Guadeloupe, publications, (40) 700. Harleshausen, report, (28) 736. Hildesheim, report, (27) 815.	relation to the State, (39) 298.
Hillawdi, report, (31) 730.	response to war conditions, (37) 1, 605. retiring allowances for. (32) 195.
Ivoloina, Madagascar, (35) 835. Koilpatti, report, (31) 733.	retiring allowances for, (32) 195. rural economics in, (32) 701.
Königsberg, report, (28) 178.	salaries and distribution of service in, (32)
Palur, report, (33) 130.	statistics, (28) 691.
Partabgarh, report, (28) 736.	war emergency activities, (38) 4.
Tucumán, Argentina, report, (31) 628. Yawnghwe, Burma, (34) 696.	work and expenditures, (33) 299; (34) 493;
citrus, at Riverside, (40) 294. forest biological, in New York, (40) 800.	(36) 794; (38) 898.
forest biological, in New York, (40) 800.	Experimental— farms in Canada, (28) 695; (33) 93; (36) 296.
horticultural, in Brazil, (39) 199. in Philippines, (40) 499.	farms in Canada, (28) 695; (33) 93; (36) 296, farms in Kentucky, (35) 122, field in Josephsdorf, (29) 290.
in Santo Domingo, (38) 99.	field in Josephsdorf, (29) 290.
in Santo Domíngo, (38) 99. in Virgin Islands, (38) 608.	Explorers, polar, food for, (32) 857. Explosions in milling plants, (32) 790.
movement in United States, history, (27) 708.	EXDIOSIVES, USE ID—
new, at Guadeloupe, (39) 98.	agriculture, (26) 91; (29) 183, 785; (30) 589; (32) 85, 589, 884.
news service, development, (28) 11.	clearing land, (26) 591; (31) 288.
of agricultural bacteriology in Italy, (39)	clearing land, (26) 591; (31) 288. drainage, (27) 687.
projects, long-continued, (40) 703.	gardening, (33) 684. Extension work—see also Agricultural colleges and
publications, distributions, (28) 8. publications, editing, (31) 105.	Agricultural extension.
publications, papers on, (28) 13.	in norticulture, (40) 833.
publications, papers on, (28) 13. Record, notes, (38) 500. research as seen from within and without	in horticulture, (40) 833. in pomology, (40) 834. in United States, (40) 896.
(33) 793.	Extraction—
station work—	apparatus— description (26) 511 802
as a basis for agricultural extension and	description, (26) 511, 802. drip protection, (40) 806.
demonstration, (34) 104.	modified Wiley, (27) 806.
constructive ideals in, (32) 603. coordination, (34) 2.	notes, (29) 800. treatment of corks, (38) 411.
coordination, (34) 2. ethics of, (26) 4. publication, (33) 401.	by partially miscible solvents, (40) 611.
	methods, studies, (33) 413.
station workers— return from war service, (40) 401.	processes, discontinuous, (37) 803. Extractives, value in nutrition, (34) 258.
training, (36) 102.	Extractor for plant material, description, (36) 413.
war service opportunities, (38) 1.	Extracts, analyses, (35) 663.
stations—see also Alabama, Arizona, etc. administration, (37) 101.	disease, infectious, in cattle, (37)691.
administrative management, (29) 401.	fly, life history and habits, (38) 359. worms in chickens, notes, (29) 784.
advancing scientific character of work, (32)	worms in chickens, notes, (29) 784. Eyes, embryonic, origin of melanotic pigment in,
and agricultural colleges, relation (27) 490;	(27) 468.
(31) 196.	Eysenhardtia—
extension institutions relation, (36) 498.	olivana n.sp., description, (35) 228- polystachya, wood of, (33) 740
extension work, relation, (31) 196; (32) 96; (38) 6.	Fabraea maculata-
laboratories in France, Superior Coun-	investigations, (33) 347.
cil, (40) 99. the war. (36) 601.	Fabrics—
the war, (36) 601. U. S. Department of Agriculture,	cold storage, (27) 565.
relations, (29) 604; (32) 194. as affected by European war, (35) 605.	conservation, (40) 595. processed, for frost protection, (33) 48; (35) 537
as field for research workers, (34) 701.	Factor, meaning of term in genetic discussion, (37)
branch, discussion, (28) 12.	526.
contributions to chemical journals, (36) 600. control and regulatory work of, (33) 307.	Fagaceae of eastern North America, (33) 646. Fagara—
decline in annual reports, (26) 401.	integrifoliola, root cotton of, (27) 237.
engineering, need of, (33) 308.	ranthoxyloides, betains in, (27) 204. Fagopyrism—
forest, administration, (31) 341. forestry in, (26) 15.	cause of, (31) 280.
functions of, (34) 699.	cause of, (31) 280. in pigs, (38) 589.
future work, influence of war on, (40) 403.	Fagopyrum tataricum, notes, (30) 838.

Fairs-	Farm—Continued.
and their educational value, (39) 693.	census in New York, (37) 491.
community, (38) 392. county school, in Virginia, (29) 599.	colonies, bibliography, (32) 490. contracts, types of, (35) 589.
illustrative exhibits, (37) 297. organization, (39) 693.	contracts, types of, (35) 589.
school, receptacles for exhibits, (40) 96.	conveniences, descriptions, (27) 90. conveniences, notes, (31) 291, 388.
Fairy rings—	courses, winter, in maritime Canada, (28) 497. demonstration—
notes, (31) 247.	demonstration—
notes, (31) 247. studies, (26) 446; (38) 222. Falco sparverius, notes, (27) 355.	editorial on, (29) 701. in New Jersey, (29) 599.
Fallowing-	WORK IN KANDICKY, (32) 197.
effect on soil moisture, (26) 533; (29) 211, 425.	development bureau, report, (32) 793. diary, (39) 496. equipment—
effect on soils, (26) 421. effect on soils, (26) 421. experiments, (27) 638, 833; (28) 321; (29) 735; (30) 124, 731; (32) 525, 531; (40) 229. summer, (32) 793. Families proces	equinment—
124, 731; (32) 525, 531; (40) 229.	calculating interest on, (34) 194.
summer, (32) 793.	care of, (29) 595.
Families, poor— diet of, (28) 662.	for sheen raising, (37) 388.
living conditions in London, (30) 166.	calculating interest on, (34) 194. care of, (29) 595. determining average length of life, (28) 895 for sheep raising, (37) 388. in Minnesota, manual, (31) 93. minor articles, (37) 491. tractica (37) 383
proper feeding, (26) 262.	minor articles, (37) 491.
Family budgets— importance of (30) 863.	forestry, notes, (28) 843.
in Chicago stockyards district, (32) 163.	treatise, (37) 398 forestry, notes, (28) 843. granary, portable, (38) 494. grounds, improvement, (37) 396.
of laborers in Holland. (32) 163.	grounds, improvement, (37) 396.
Fan weed, notes, (28) 46; (38) 442. Fannia—	handicraft for rural schools, (37) 699. home grounds, syllabus of lecture on, (27) 299.
canicularis—	homes—see also Rural homes.
hibernation, (34) 254.	arrangement and adornment, (34) 836.
notes, (30) 458. studies, (37) 665.	attractive, (40) 640. in United States, ownership, (32) 193.
pusio, notes, (38) 557.	labor saving devices for, (26) 790; (28) 662
scalaris, relation to mylasis of urinary passages,	(39) 165.
(32) 450. spp., "critical" point for, (36) 256. spp., notes, (27) 759. spp., relation to mylasis, (30) 757.	management, (29) 465; (30) 395, 462. plan, equipment, and management, (32
spp., notes, (27) 759.	891.
spp., relation to myiasis, (30) 757.	planning, (36) 400.
Farase, úse against glanders, (30) 481. Farcy, see Glanders,	planning and adorning, (27) 146. plumbing, (27) 389.
Farina, determination of acid content, (33) 14.	plumbing, (27) 389. reading in, (27) 96. relation to food supply and labor problems
Farine, analyses, (40) 173.	
Farm—	(38) 694. rules for cleaning. (28) 694.
account of South Dakota farmer, (40) 488. accounting, (28) 896; (28) 594; (29) 293, 633, 690, 691; (30) 793; (31) 689; (32) 292, 494; (33) 92, 893; (39) 496, 844; (40) 192, 687. accounting, textbook, (29) 792. accounts, diary for, (36) 593. adviser, county, (33) 697.	sanitation in, (28) 789.
691; (30) 793; (31) 689; (32) 292, 494; (33) 92, 893;	servant question in, (31) 490.
3ccounting, textbook, (29) 792.	treatise, (31) 591.
accounts, diary for, (36) 593.	water supply for, (27) 317; (28) 188; (33) 779
adviser, county, (33) 697. advisers—	(38) 094. rules for cleaning, (28) 694. sanitation in, (28) 789. servant question in, (31) 490. syllabus of lecture on, (26) 597. treatise, (31) 591. water supply for, (27) 317; (28) 188; (33) 779 (36) 390, 891; (38) 391. water systems, (40) 91. household accounts, (39) 594.
in California, (30) 695.	household accounts, (39) 594.
in California, (30) 695. in Missouri, (29) 899. reports, (40) 789.	houses— construction, (33) 892.
and forest, manual, (26) 391.	cost, (36) 400. fireproof, construction, (29) 689.
and forest, manual, (26) 391. animals, see Animals, Livestock, Cattle, etc. arithmetic, textbook, (30) 197. arithmetic, type problems, (40) 493. bookkeeping, notes, (28) 191. box, authoricznephy, (26) 206.	fireproof, construction, (29) 689.
arithmetic, textbook, (30) 197.	heating, (36) 590.
bookkeeping, notes, (28) 191.	hot water supply for, (31) 189.
boy, autobiography, (35) 696.	handbook, (28) 188. heating, (36) 590. hot water supply for, (31) 189. lighting, (27) 388; (28) 395. lighting by electricity, (27) 90. lighting by case (27) 00
boy, autobiography, (35) 696. boys and girls, treatise, (26) 899. boys, education for, (27) 595. buildings—	lighting by gas. (27) 90.
buildings-	lighting by gas, (27) 90. planning, (29) 186; (31) 396. implement shed, plans, (31) 489. implement societies, cooperative, (39) 594.
concrete, construction, (32) 888.	implement specialist connerative (30) 594
concrete, construction, (32) 888. construction, (30) 892; (35) 887. drawings and photographs, (37) 699. galvanized iron for, (28) 188; (31) 591. handbook, (26) 636, 894; (27) 892; (28) 290, 487; (29) 186, 689. heating systems for, (38) 492.	impiements—
galvanized iron for, (28) 188; (31) 591.	care and repair, (39) 292; (40) 889.
handbook, (26) 686, 894; (27) 892; (28) 290,	notes, (31) 185. paper on, (26) 398.
heating systems for, (38) 492.	power for, (26) 89.
heating systems for, (38) 492. hollow clay blocks for, (38) 399. lighting, (28) 398; (35) 391. location, (36) 687.	power for, (20) 88. in Unstrut valley, description, (31) 191. income, factors affecting, (37) 491. investments by inexperienced persons, (31) 787
lighting, (26) 398; (35) 391.	investments by inexperienced persons. (31) 787
paper on. (26) 398.	kitchen as a workshop, (32) 65. kitchens, plumbing for (36) 390.
paper on, (26) 398. permanent, design, (32) 790.	kitchens, plumbing for (36) 390.
permanent, economy of, (31) 688. plans, (31) 291; (34) 487, 598, 892.	labor, see Agricultural labor. land—
probable duration of, (31) 591.	selection in Gulf coast region, (26) 120.
reconstruction in France, (36) 891.	systems of renting, (26) 487.
roofing for, (38) 590. treatise, (31) 291, 591; (36) 891; (37) 90, 789.	value, (40) 792. value in France, treatise, (40) 892.
ventilation, (32) 592.	value in New England, (27) 294.
bureau—	lands—
at Binghamton, New York, (28) 492. county, in California, (31) 690; (37) 888. in New York, (26) 699; (29) 692; (32) 388. bureaus, work of, (31) 894.	in New Jersey, (36) 689. injury by erosion and floods, (37) 520.
in New York, (26) 699; (29) 692; (32) 388.	leasing, (31) 192.
bureaus, work of, (31) 894. business—	of Japan, redivision, (40) 892. purchasing in New York, (38) 494.
analyzing, (33) 91.	redistribution in France, (37) 491.
analyzing, (33) 91. arithmetic, (33) 899.	terracing, (40) 188.
size of, (35) 692.	valuation, (28) 489.

Farm-Continued.	Farm—Continued.
leases in Iowa, (34) 193, 792.	operations—
life—	climatic control, (38) 414.
education for, (30) 297.	normal day's work, (30) 89. operators, years of occupancy in United States,
in England, (30) 898. reading course in, (29) 598. schools in North Carolina, (32) 895.	(31) 690.
schools in North Carolina, (32) 895.	organization—
value of ongineering to, (35) 184.	in Arizona, (39) 294. in Montana, (40) 488.
Loan Act, Federal, see Federal Farm Loan Act.	ownership, stages of advancement to, (40) 92,
loan associations, (35) 105; (36) 289. loans, rate sheet for, (37) 91.	687.
loans, short-term, (40) 389 loans, short-time, interest rates and other	people, insanity among, (32) 791. power, cost, (27) 790.
ioans, short-time, interest rates and other charges on, (35) 891.	practice—
machinery, see Agricultural machinery.	field studies, (28) 198.
making in upper Wisconsin, (39) 396.	in Arkansas Valley, Colorado, (28) 336. studies y. field experiments, (30) 32.
making in upper Wisconsin, (39) 396. management, (26) 897; (27) 486, 673; (28) 13; (30) 197, 896; (31) 787; (32) 292, 389.	textbook, (35) 93.
	premises, disinfection, (36) 675.
management— and credit system, (39) 689.	prize competitions, (36) 93. problems in United States, (30) 390.
and demonstration work, (27) 798.	Droducts see Apriculture producte
Association, American, (39) 192, 702.	profits in New Jersey, (39) 293. receipts, relation to live stock, (27) 669.
climatic factors, (39) 615. courses in agricultural colleges, (38) 696.	records and accounts, (32) 893.
courses in agricultural colleges, (38) 696. for boll-weevil conditions, (35) 398.	records, value, (39) 496. reservoirs, (38) 84.
graduate courses, (37) 794.	reservoirs, (38) 84.
in black earth region of Russia, (31) 94. Central Germany, (29) 170.	sanitation, (33) 591, 784; (36) 687. school at Feldsberg, Austria, notes, (27) 695.
Chemung County, New York, (34) 791. Chester County, Pennsylvania, (34) 592. east Texas, (35) 794.	school on Long Island, (29) 200. schools and colleges in France, Germany, and
Chester County, Pennsylvania, (34) 592.	Belgium, (28) 793.
eastern Nedraska, (30) 391.	science, textbook, (40) 295.
Gallatin Valley, (31) 689.	shop work, textbook, (33) 792. state, in Tasmania, (28) 598.
Kansas, (33) 694. Knox County, Ohio, (37) 195.	state, in Tasmania, (28) 598. supplies, cooperative purchase, (35) 190.
Lenawee County, Michigan, (39) 689.	supplies, purchasing, (28) 790; (32) 287.
Minnesota, (39) 394. Missouri, (37) 789.	survey in—
New Zealand, (36) 493.	Montana, (40) 92. Washington Oregon and Idaho (38) 824
Silesia. (29) 89.	Washington, Oregon, and Idaho, (38) 824. Wisconsin, (37) 290.
southern New York, (30) 193. the South, testing efficiency, (40) 789.	surveying, notes, (32) 885. tenancy, see Land tenancy and tenure. wagons, descriptions and tests, (26) 789.
Willamette Valley, (39) 795.	wagons descriptions and tests (28) 780
monograph. (28) 292.	wastes, utilization for feeding, (38) 168.
of cotton farms in Texas, (39) 395. outline and discussion, (27) 91. papers on, (36) 298; (37) 389; (40) 298. principles, (28) 594.	wastes, utilization for feeding, (38) 168, women, needs of, (32) 890. women, social life for, (31) 788. women's institutes in America, (30) 495.
napers on. (36) 298: (37) 389: (40) 298.	women's institutes in America. (30) 495.
principles, (28) 594.	woodlots, notes, (28) 897. work for discharged soldiers, (36) 392.
	work for discharged soldiers, (36) 392. Farmer and agent, teamwork, (39) 496.
research projects, (40) 890. school in Austria, (26) 899. studies, (29) 391; (40) 388. studies, form for, (33) 91. summer courses, (37) 794. stray (24) 393; (40) 388	Farmers—
studies, (29) 391; (40) 388.	and city consumers, relationship, (31) 894.
Studies, form for, (33) 91.	and the new day, treatise, (40) 889.
survey, (34) 393; (40) 388.	associations in Netherlands, (31) 691.
management survey—	as weather observers, (27) 413. associations in Netherlands, (31) 691. attitude toward science, (34) 401. banks, cooperative, (29) 294. bookkeeping for, (26) 595. bulletins, subject index, (35) 299. buying and selling agencies in New Jersey, (40)
data, correlation in, (37) 269.	bookkeeping for. (26) 595.
data, use, (34) 895. data, validity, (37) 389.	bulletins, subject index, (35) 299.
in Chautaugua Co., New York, (35) 296.	buying and selling agencies in New Jersey, (40) 592.
Georgia, (39) 293. Indiana, Illinois, and Iowa, (30) 490.	club house in Indiana, (31) 697.
Johnson Co., Missouri, (32) 791.	clubs in Minnesota, (33) 697.
Ontario, (39) 593.	clubs, notes, (30) 496.
South Carolina, (39) 294. southeastern Ohio, (39) 893.	clubs, organization, (31) 98; (32) 287. cooperation among, (26) 291.
management—	cooperative—
teaching, (27) 95; (28) 198.	associations, legal status, (30) 191. buying organizations, (38) 190.
teaching, (27) 95; (28) 198. textbook, (31) 494; (33) 429. treatise, (28) 789; (32) 393. weakness in, (33) 490.	company in Indiana, (29) 294.
weakness in. (33) 490.	elevator in Nedraska, (20) 400.
managers, training, (29) 92.	elevators, accounting system for, (33) 192. exchanges, formation and scope, (31) 389.
mechanics—	organizations in North Carolina, (30) 894.
and drawing, high school course, (29) 192. course in, (26) 393; (28) 91.	purchasing and marketing organizations (37) 888.
for agricultural high schools, (32) 597.	Day, guide, (26) 795.
instruction in, (36) 496.	demonstration work, (27) 599. demorrage information for, (33) 91.
projects in, (40) 795. school in Argentina, (34) 99.	Educational and Cooperative Union in Texas,
shop, bench and tools for, (31) 792.	(30) 591.
mortgage icans, (35) 693; (39) 796.	Educational and Cooperative Union of America, (28) 488.
mortgage loans, amortization plan, (35) 589. mortgages, (31) 192.	elevator movement, (32) 593; (40) 592.
mortgages, handbook, (36) 688. mortgages in United States, (28) 190.	elevators in Minnesota, (34) 392.
mortgages in United States, (28) 190. motors, treatise, (31) 186.	English, labor exchanges for, (26) 190. exchange in New Jersey, (27) 591.

52831—26†——15

```
Farming—Continued.
in Alaska, (28) 488; (33) 694; (36) 494.
Arkansas, (40) 133.
blue grass region, (36) 789; (38) 693.
Brooke County, W. Va. (35) 90.
Canada, (34) 490.
Chester Co., Pennsylvania, (39) 621.
China, Korea, and Japan, treatise, (26) 290.
Colorado, (39) 90; (40) 428.
eastern Nebraska, (36) 391.
eastern Oregon, (32) 131.
England treatise, (38) 192, 689.
Forsyth Co., North Carolina, (39) 689.
Gallatin Valley, Montana, (37) 290.
Gulf Coast region, (40) 133.
Kentucky and Tennessee, (40) 133.
lower Rio Grande irrigated district of Texas, (39) 395
Minnesota, (36) 790.
Missouri, (36) 93.
New Brunswick, (40) 690.
New Jersey, (31) 390; (36) 893; (39) 746; (40) 19.
New Mexico, relation to climate, (40) 18.
North Carolina, (35) 589; (37) 190.
Philippine schools, (33) 799.
sand bills section of Nebraska, (35) 827,
Saskatchewan, (26) 733.
southeastern Ohio, (36) 396.
southern mountains, (39) 893.
southwestern Kentucky, (39) 893.
Sumter Co., Georgia, (36) 893.
Tennessee, (38) 91.
time of war, (36) 290.
United Kingdom in time of war, (34) 89.
Utah, (38) 493; (40) 388.
Wayne County, Ohio, (37) 132.
Willamette Valley, (34) 490.
influence of a city on, (39) 495.
intensive—
handbook, (30) 141.
in extron bett (28) 883
  Farmers—Continued.
excursions, (37) 895.
German-American, status, (31) 294.
government auf to, (26) 291; (39) 192.
improving personal credit, (32) 892.
in United States, age of, (32) 390.
in United States, term of occupancy, (31) 690.
income of, (29) 689; (33) 692.
income tax, (40) 192.
institutes—
                                                                       in Great Britain, government aid to, (28)
596.
Illinois, (29) 95.
Kansas, (30) 195.
Kansas, (30) 195.
Nichtgan, (26) 298, 299.
Minncsota, (32) 895.
New York, (28) 792.
Ontario, (28) 695; (30) 495; (34) 94.
Pennsylvanna, (27) 899.
United States, (26) 598; (28) 695, 792; (29)
898; (31) 195; (33) 698, 792, 793; (30) 194,
795; (38) 899.
papers on, (32) 97; (37) 796; (40) 595.
province, (28) 95.
relation to organized extension agencies,
(32) 14.
                                                                           in Great Britain, government aid to, (28)
                                    (32) 14. use in Smith-Lever funds for, (32) 14. women's auxiliary clubs of, (32) 197. insurance against accidents in Blegium, (31) 94. interest paid by, (29) 186. Jewish, cooperation among, (29) 894. Jewish, in United States, (28) 689. labor incomes, (36) 491, 492. law book for, (26) 93. list of looks for, (29) 299. list of references for, (35) 195. living, part furnished by the farm, (32) 487. meeting halfway, (37) 592. Minnesota handbook for, (40) 193. mutual fire insurance, (37) 391, 594. National Congress of United States, (34) 596; (36) 283.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Willamette Vailey, (34) 490. influence of a city on, (39) 495. intensive— handbook, (30) 141. in cotton belt, (28) 583. in India, (39) 834. in India, treatise, (32) 131. method, books on, (40) 589, 590. livestock v. grain system, (39) 531. manual, (29) 293; (34) 635, 796. near Monett; Missouri, (38) 894. notes, (33) 91. on cut over lands of Michigan, Wisconsin, and Minnesota, (36) 190. on muck lands, (36) 191. plans for 1919 in Texas, (40) 789. plantation, in United States, (37) 390. profitable, factors in, (35) 191; (36) 190. profitable, factors in, (35) 191; (36) 190. profitable, notes, (38) 493. relation of Government to, (35) 89. relation to meteorology, (29) 314. safe, (34) 688. specially adapted lines, (40) 891. system for the corn belt, (32) 192. systems in central New Jersey, (26) 387. systems in central New Jersey, (26) 288.
                                    National Congress of United States, (34) & (36) 283.
negro, foods for, (36) 562.
of United States, census statistics, (28) 190.
organization, (40) 193.
resident's message to, (39) 693.
psychology of, (37) 491, 592.
ready reference book, (31) 196.
relation to bankers, (33) 490.
relation to railroads, (27) 591.
selling agencies, (28) 294, 894.
short course for, (27) 695.
Slavic, in the South, (32) 489.
small—
government aid to, (27) 591.
                                       government aid to, (27) 591.
in Italy, (34) 391.
training at home, (32) 289.
state aid for, (27) 392.
state loans to, (28) 688; (29) 90, 691.
tenant, compensation for disturbance, (32) 286.
tenant, in Great Britain, condition, (28) 791.
traders, and agricultural organization, booklet, (28) 292.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     systems, (34) 90.
systems in central New Jersey, (26) 387.
systems, production efficiency, (34) 298.
tenant, in Yazoo-Mississippi Delta, (34) 593.
textbook, (26) 691; (28) 393; (36) 597; (38) 297;
                                         Union, cooperative enterprises of, (26) 894.
union warehouse company in North Carolina.
Union, cooperative enterprises of, (20) 894.
union warehouse company in North Carolina.
(32) 489.
"universal military service," (37) 290.
value of education to, (34) 393.
winter school for, (34) 494; (38) 396.
with agricultural education, incomes, (33) 494.
young, book for, (22) 387.
Farming—see also Agriculture.
as a business, (34) 95.
association in North Dakota, (26) 598.
British, treatise, (33) 93.
business side, (28) 790.
cost, (27) 893.
costs, delermination, (40) 192.
costs in Ohio, (40) 292.
dairy, see Dairy farming.
diversified, with tenants in Louisiana, (26) 487.
economic aspect, (27) 595.
evolution of, (40) 589.
factors of efficiency in, (30) 98, 493; (31) 388;
(32) 89.
for disabled service men, (40) 790.
grain, in North Dakota, (40) 785.
handbook, (28) 298, 693.
improved, (28) 387.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (40) 95.
tractor, in Idaho, (40) 90.
tractor, in Indiana, (40) 788.
tractor in the East, (40) 89.
treatise, (30) 193; (31) 787; (32) 291, 429; (35) 696; (37) 290; (39) 89.
types of, in relation to climate, (40) 116.
under boll-weevil conditions, (36) 593.
village communities in, (29) 789.
war-time, in England, (40) 790
weather factor in, (35) 617.
with green manures, treatise, (26) 817.
without manure in Baltic provinces, (26) 522.
ms-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (40) 95.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Farms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ms—
and farm lands of California, (40) 194.
beautifying, (31) 48.
blacksmithing for, (27) 484.
business methods for, (26) 299.
business side of, (26) 594.
cold storage on, (29) 88.
collective, in Italy, (40) 389, 393.
concrete on, (30) 487.
cost accounting on, (27) 794; (29) 690; (32) 791;
(36) 191.
cost of fencing, (34) 485.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cost of fencing, (34) 485.
```

n	
Farms—Continued. cotton, producing home supplies on, (40) 292.	Farms—Continued.
county demonstration. in Nebraska, (29) 633.	use of tractors on, (32) 886. value of food, fuel, and use of house, (36) 289.
crop exhibits for (29) 93.	waste land on, (35) 692.
demonstration in—	waste on, (29) 595.
Canada, (34) 490. Italy, (26) 496.	water power for, (26) 790; (34) 84, 185, 286, 586.
Mississippi and Louisiana, (26) 496.	water supply for, (28) 214, 717; (29) 696, 722; (30) 89, 294; (32) 281, 487; (33) 289; (36) 86, 188, 687;
disinfection on, (29) 77. diversified in Texas, (38) 89.	(38) 188.
electric lights for, (27) 485, 589; (36) 400, 590.	windmill power for, (27) 790.
electricity for, (26) 91; (27) 292, 790; (29) 184;	Farragut high school, Concord, Tenn., notes, (31) 597.
(30) 88, 89, 388, 493, 891; (32) 885; (34) 87.	Farrer research scholarship in New South Wales,
experimental, in Canada, (28) 695.	
financing, (27) 690. for sale—	Fasciation in plants, notes, (32) 426. Fasciola—
in Connecticut, (33) 390; (34) 289; (35) 589.	hepatica—
Maine, (38) 91.	biology, (31) 758.
Massachusetts, (26) 290. Pennsylvania, (33) 191; (35) 589.	development, (28) 885. distribution in Canada, (36) 86.
West Virginia, (33) 490.	notes, (35) 877.
or rent in New York, (33) 490; (35) 589; (37)	magna, new host for, (36) 86.
390. general, cows on, (40) 574.	spp., notes, (27) 182. Fasciolopsis buski, occurrence in pigs in Tonkin,
heat, light, and power for, (28) 487. in Delaware County, New York, (33) 694.	(27) 181.
in Delaware County, New York, (33) 694.	Fasting-
England and Wales, (33) 789. New Hampshire, (37) 790. New Hampshire, list and descriptions, (38)	effect on— glycogen content of liver, (30) 867.
New Hampshire, list and descriptions, (38)	growth, (29) 869.
192.	hydrogen ion concentration of feces, (30)
United States, census statistics, (27) 294;(28) 189.	leucocyte content of blood, (30) 866.
United States, distance from market, (33)	utilization of proteins, (29) 268.
192.	utilization of proteins, (29) 268. nitrogen elimination in, (37) 167.
Vermont, (36) 290.	nitrogen exchange in, (30) 260. prolonged, studies, (33) 566.
Wisconsin, comparison, (28) 690. irrigated—	purin metabolism in. (30) 261.
operation, (38) 391	purin metabolism in, (30) 261. studies, (26) 360; (27) 465; (29) 664; (30) 764, 765;
profits from, (31) 689; (38) 493.	(32) 460; (34) 863. Fat—see also Oils.
profits from. (31) 689; (38) 493. selecting, (38) 186. large v. small in Ontario, (26) 791.	absorption—
lighting plans for, (31) 185. live stock capacity, (36) 474. mechanical power for, (30) 789.	by mucosa of mammalian stomach, (31)
live stock capacity, (36) 474.	465. experiments with dogs, (27) 272.
methods of organizing. (38) 191.	in the intestine. (29) 768; (33) 186.
methods of organizing, (38) 191. movement to, from cities and towns, (33) 294.	in the intestine, (29) 768; (33) 166. in typhoid fever, (35) 369. studies, (35) 166; (39) 671.
natural history, (31) 195. natural history, treatise, (32) 493. of agricultural institutions in Austria, (27) 695,	acetyl number, determination, (31) 713.
of agricultural institutions in Austria. (27) 695.	analyses, (26) 113; (30) 712.
797.	and casein, determination in milk, (31) 674.
of New Zealand, city boys on, (26) 593.	and fatty acid derivatives in the diet, (38) 570. and lipase of animal tissues, correlation, (30)
of New Zealand, city boys on, (26) 593. organizing for profit, (26) 388. penal, bibliography, (32) 490.	204.
planning, (27) 146; (34) 789.	animal—
planning, (27) 146; (34) 789. power for, (27) 484, 891. prairie, buildings for, (35) 689, 690.	and plant, differentiation, (34) 13. digestibility, (34) 364; (36) 860.
productivity, (37) 290.	effect of free fatty acids on, (34) 312.
profitable and unprofitable in New Hampshire,	purin content, (40) 205.
(29) 391. purchasing by renters, (27) 294.	as affected by tubercle bacilli, (27) 783. as source of muscular energy, (28) 462.
reinforced concrete for, (27) 589.	as substitute for carbohydrates for infants, (34)
reorganization, (31) 388.	462.
sandy-land, in Indiana and Michigan, (35) 392. school—	as supplements to protein-free milk food, (30) 562.
care and management, (34) 394.	body, pigments of, (31) 274.
in New York City, (31) 297.	changes in during absorption, (30) 864.
laying out and planting, (32) 692. management, (33) 195.	changes in during cooking, (32) 354.
use of, (35) 795.	chemistry, (26) 113; (29) 108; (31) 201.
use of, (35) 795. score card for, (28) 297.	chemical technology of, (29) 413. chemistry, (26) 113; (29) 108; (31) 201. chicken and turkey, constants, (27) 111.
selection, (26) 897 sewage disposal on, (33) 892; (34) 88; (38) 188.	cleavage in the animal body, (31) 465, composition of human milk, (27) 506.
share-leasing contracts, (39) 295.	conservation and dietetic values, (39) 472.
size of in Texas, (34) 488.	conservation and dietetic values, (39) 472. constants, physical and chemical, (36) 502.
Small— buildings for (31) 786	constituents, action of symbiotes on, (40) 464. content of—
developing in Georgia, (29) 594.	blood, notes, (28) 67.
buildings for, (31) 786. developing in Georgia, (29) 594. management, (39) 795. tools on, (28) 299.	buttermilk, variation in, (28) 277. cream, (26) 599.
10018 011, (26) 299.	cooking, use in South America, (33) 362.
social centers on, (26) 488. staircase, of ancient Peru, (35) 794.	crude, factors affecting acidity, (31) 758.
staircase, of ancient Peru, (35) 794. State institution, in New Jersey, (39) 89; (40)	crude, of beets, (28) 201. decomposition, (28) 372; (30) 310.
592, sugar heet management in Austria-Hungary.	decomposition, (28) 372; (30) 310. deposition in testes of fowls, (28) 470.
sugar beet, management in Austria-Hungary, (31) 689.	detection of benzoic sold in. (28) 208.
tenure in United States. (28) 190.	determination, (28) 863; (29) 309; (33) 314, 711; (34) 505; (39) 311, 313.
term of occupancy in United States, (31) 690.	(34) 505; (39) 311, 313. determination—
unprofitable acres on, (35) 192. use of dynamite on, (27) 292, 689; (28) 185. use of lumber on, (40) 90.	Duclaux method, (37) 207, 414.
use of lumber on, (40) 90.	in animal substances, (28) 805,

Fat-Continued.	Fat-Continued.
determination—continued.	function of, in nutrition, (29) 868.
in avocados, (36) 139. bread, (30) 205. butter, (27) 614, 812; (30) 113; (32) 508. buttermilk, (26) 410; (28) 114.	globules— casings of, (29) 806.
butter, (27) 614, 812; (30) 113; (32) 508.	in milk, studies, (29) 579.
buttermilk, (26) 410; (28) 114. cacao, (30) 13.	glycerids of, (32) 801.
cacao, (30) 13. cacao products, (36) 807. cheese, (26) 276; (27) 312, 811; (28) 612; (29) 311; (30) 207, 208; (31) 613, 811; (32) 414; (33) 208, 314; (34) 206; (37) 416. cheese, cream, and butter, (32) 313. chocolate, (27) 498.	casings of, (29) 806. in milk, studies, (29) 579, glycerids of, (32) 801. hardened, as food for man, (32) 660; (33) 362, 564 hardening by hydrogenation, (28) 762. heat of bromination, (34) 803.
cheese, (26) 276; (27) 312, 811; (28) 612;	heat of bromination, (34) 803.
(29) 311; (30) 207, 208; (31) 613, 811; (32) 414: (33) 208, 314: (34) 208: (37) 418	hydrocarbon, treatise, (30) 313.
cheese, cream, and butter, (32) 313.	hydrolysis, (27) 804.
chocolate, (27) 498.	hydrolysis by lipase, (27) 803.
cocoa, (40) 206. copra products, (26) 611.	hydrogenation, (35) 9. hydrogenation, (35) 9. hydrolysis, (27) 804. hydrolysis by lipase, (27) 803. in cookery, (38) 336. cows' milk at time of calving, (28) 194.
cream, (27) 811; (33) 16, 314; (34) 714; (35)	gram sorgiums, (66) 410.
111.	mixed rations, digestibility, (32) 69, 70.
cream and cream products, (29) 798.	pork, melting points, (39) 175. Rhus laurina and R. diversiloba, (38) 202:
dairy products, (27) 499; (30) 208. dried milk, (28) 113; (30) 314; (33) 314,	(39) 27.
505: (37) 508.	the diet, relation to intestinal flora, (40) 867, the diet, varying amounts, (27) 666.
evaporated milk, (28) 412; (31) 115. evaporated milk and milk powder, (29)	Ingestion, effect on metabolism (28) 866
507: (38) 314.	ingestion, influences of, (33) 869. injections, effect on fat metabolism, (28) 462. intestinal absorption, (32) 563. intoxication in animals, (33) 69.
feces, (33) 415; (40) 207. feeding stuffs, (26) 507, 713; (27) 716, 812; (28) 715; (29) 800; (30) 813.	intestinal absorption (32) 563.
(28) 715; (29) 800; (30) 813.	intoxication in animals, (33) 69.
100GS, (35) 12.	111 vestigations, (30) 110.
ice cream, (31) 210, 211; (34) 113. ice cream and condensed milk, (33) 16.	isodynamic substitution for carbohydrates, (40) 563.
milk, (27) 497, 715, 809, 811; (28) 412, 808;	laboratory handbook, (29) 811.
milk, (27) 497, 715, 809, 811; (28) 412, 808; (31) 209, 612, 873; (32) 299, 312; (33) 503; (34) 506; (36) 507.	laboratory handbook, (29) 811. loss in butter making, (28) 277. loss in drying meat, (28) 164; (30) 205.
milk and cream, (32) 576; (34) 713; (37)	medicinal, oxidation numbers, (39) 109.
618.	medicinal, therapeutic action, (28) 262.
milk and milk products, (26) 712; (30)	medicinal, oxidation numbers, (39) 109. medicinal, therapeutic action, (28) 262. melting point, determination, (36) 15. melting point, relation to digestibility, (26) 159. metabolism, (27) 464; (39) 874.
810; (32) 298. milk and other fluids. (34) 206.	metabolism. (27) 464; (39) 874.
milk and other fluids, (34) 206. milk products, (29) 311, 507; (37) 507, 805.	metabolism—
milk, tables for, (32) 270.	factors, affecting, (26) 471. hepatic functions in, (31) 69.
powders, (35) 716. seeds, (27) 812. of glycerol content, (28) 313.	nathology, (27) 665.
of glycerol content, (28) 313.	pathology, (27) 665. relation to blood fat, (34) 563.
Polenske number, (27) 507.	Studies, (28) 66.
small amounts, (31) 610. specific gravity, (27) 497.	methods of analysis, (26) 202; (27) 205; (30) 314; (31) 509, 806; (32) 314; (33) 258, 804; (35) 205; (38) 206, 804; (40) 311.
unsaponinable matter in, (33) 17, 506, 711;	(38) 208, 804; (40) 311.
(37) 805. Reichert-Meissl and Polenske numbers,	ents (33) 711
(31) 811.	natural, effect on growth, (33) 282. new constant for, (32) 808. nonemulating passage from stomach (20) 484
development in black walnuts, (30) 411.	new constant for, (32) 808.
diet, excessive, notes, (28) 663. digestibility, (26) 263.	nonemulsified, passage from stomach, (30) 464. occurrence and distribution in wood, (35) 225.
.on	preservatives, detection, (31) 508.
and absorption, (34) 257. and absorption in animals, (33) 566.	production, dual purpose and total, (28) 570.
in infants, (29) 365; (40) 661. of, (26) 565. diminution in cheese during ripening, (31) 475.	production, inheritance in cows, (32) 369.
of, (26) 565.	biochemical reaction, (36) 109.
distribution in steers, (26) 366.	detection, (39) 313.
edible—	evaluation, (37) 114. reactions, (40) 412.
chemistry of, (35) 9. examination, (27) 207.	rate of leaving the stomach, (32) 858.
in Tinitad States (22) 265	resorption, (26) 159.
methods of analysis, (26) 113,	rôle in—
nutritive value, (37) 165. treatise, (26) 258.	glycogen formation, (31) 763. immune processes, (40) 380, 676.
effect on-	immune processes, (40) 380, 676. infant feeding, (35) 165. utilization of food albumin, (28) 232.
blood sugar in phlorizin diabetes, (35) 863. concrete, (29) 184.	utilization of food albumin, (28) 262. utilization of proteins, (40) 464, 562.
digestibility of milk, (33) 663.	Sampling, (38) 206, 804.
nitrogen excretion during starvation, (33)	saponification, (27) 497. significance in the diet, (40) 170.
663. nutrition and growth. (33) 262, 462, 465.	solid, substitute for, (30) 669.
nutrition and growth, (33) 262, 462, 465, pancreatic secretion, (29) 465, protein metabolism, (26) 765; (34) 762, 763.	soluble A
examination, (31) 509.	distribution in plants, (36) 61.
extraction from sheep's milk cheese, (33) 505.	formation in animal body, (36) 62. separation from milk fat, (37) 308.
extraction, new apparatus for, (34) 313.	Solvents, effect on sewage-sick soils. (28) 623.
feeding, effect on metabolism of pigs. (30) 268.	sparing value, (27) 708. specific, in complement fixation, (39) 80.
extraction, new apparatus for, (34) 313. extractor, description, (34) 804. feeding, effect on metabolism of pigs, (30) 268. food, effect on body fat, (30) 110.	sparing value, (27) 768. specific, in complement fixation, (39) 80. splitting by bacteria, (26) 370. stained, behavior in animal organism, (27) 670.
formation in—	stained, behavior in animal organism, (27) 670.
cork, (31) 312.	stains, transmission to offspring, (29) 177. stored, utilization for growth, (40) 567.
oleaginous fruits, (26) 801; (29) 201.	sulphuric acid or Maumené number, (37) 805.
ork, (31) 312. oleaginous fruits, (26) 801; (29) 201. Phillyres media, (31) 312. from petroleum, (38) 714.	stored, utilization for growth, (40) 567. sulphuric acid or Maumené number, (37) 805. supply of France, (35) 859. synthesis of, (28) 307; (27) 108. technology and analysis, treatise, (34) 507.
from various sources, leeding value, (31) 504;	technology and analysis, treatise, (34) 507.
(33) 368.	tests, (26) 202.

Fat—Continued.	Feces-
use in the home, (36) 462. utilization as affected by water drinking, (30)	analyses before and after freezing, (33) 805.
766.	as affected by diet, (40) 477. bacteria in, (26) 161; (32) 165, 175.
utilization in the animal body, (29) 368.	bacteria in, as affected by fasting and water drinking, (30) 765.
variation in corn cockle seeds, (28) 525. vegetable—	drinking, (30) 765.
bromin absorption by, (29) 612.	chemical examination, (26) 161. chemistry of, (29) 568.
detection in animal fats, (33) 612, 712.	determining coprosterol in. (40) 15.
digestibility, (36) 860. effect on growth, (33) 465.	examination, (39) 286.
isolation, (29) 459.	fat content, determination, (40) 207. fermenting power, (31) 413.
isolation, (29) 459. of India, (29) 413.	hydrogen ion concentration, (27) 465; (36) 365.
Fatigue-	hydrogen ion concentration of, during fasting,
effect on amino acid content of blood serum, (30) 466.	(30) 866. of male bovines, apparatus for collection, (29)
messurement, (28) 570.	408.
physical and mental, effect on blood pressure, (32) 664.	of tuberculous cattle, examination, (27) 481.
(32) 664. poisons of, (32) 79.	phosphorus content, determination, (39) 806. Fecundity—
products, status of knowledge, (39) 572.	in fowls, inheritance, (28) 576, 577.
relation to carbon dioxid output, (30) 867.	in fowls, measurement, (33) 76.
studies, (30) 465; (31) 167; (32) 360.	relation to age, (28) 767. Federal—
Fatty acids—chemical constitution (32) 762	activities, erroneous impressions, (40) 778.
chemical constitution, (32) 762. cleavage in the animal body, (31) 465, 561.	Board for Vocational Education, (37) 198; (38)
cleavage in the animal body, (31) 465, 561. determination, (26) 410; (27) 497; (29) 309; (31) 508; (36) 673; (40) 804.	596. Commission on Vocational Education, (30) 398.
508; (36) 673; (40) 804.	Farm Loan—
formation in oleaginous fruits, (26) 801. free, effect on flash and fire points of animal fats	Act, (36) 289, 493; (37) 291, 492.
and oils, (34) 312.	Act, benefits of, (36) 894. Act, treatise, (39) 89.
free, in fats, (26) 411. from petroleum, (38) 714.	Board. (35) 104.
from varnish oils, (39) 618.	Bureau, organization and purpose, (38) 191,
hemolysis, (26) 156. in butter, (29) 508.	system,(39) 796. farm loans, (40) 595.
in butter, (29) 508.	Food Control Act, (37) 399.
butter and other fats, (37) 508. corn silage. (28) 109.	Food Production Act, (37) 301.
corn silage, (28) 109. cotton-seed foots, (28) 615, 616.	vocational education law, (37) 597. Federation—
eggs, (30) 675.	for rural progress, (34) 699.
feeding stuffs, (32) 709. food, passage into milk, (34) 472.	of Women's Institutes of Canada, (40) 700.
grain sorghums. (38) 410	Feed— cakes—
milk, (27) 113. milk fat. (31) 175: (38) 12: (39) 15	analyses, (30) 712.
milk, (27) 113. milk fat, (31) 175; (38) 12; (39) 15. normal animals, (33) 69.	from millet, (32) 117. vegetable, microscopic analysis, (26) 209.
phosphatids, (31) 608.	grinding and sifting mill, description and test,
silage, (28) 608.	grinding and silting mill, description and test, (30) 292.
silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23.	grinding and silting mill, description and test, (30) 292.
silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311.	grinding and sifting mill, description and test,
silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476.
silage, (28) 608. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175.
phosphatids, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671.
phosphatchs, (63), obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inantition and feeding experi-	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding—
phosphatids, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile—	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824.
silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and com, manurial value, (40) 824. effect on morphological and physiological condition of the aringle hold, (23) 365.
silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and com, manurial value, (40) 824. effect on morphological and physiological condition of the aringle hold, (23) 365.
phosphatids, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty—	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and com, manurial value, (40) 824. effect on morphological and physiological condition of the aringle hold, (23) 365.
silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824. effect on morphological and physiological condition of the animal body, (32) 365. estimating values in, (39) 271. experiments—see alvo Cows, Pigs, etc. British, digest of data, (33) 684. British, in 1911–12, (31) 266.
phosphatids, (31) 008. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna—	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824. effect on morphological and physiclogical condition of the animal body, (32) 366. estimating values in, (39) 271. experiments—see also Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 286. interpretation of results, (26) 767; (30) 369.
phosphatchs, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and com, manurial value, (40) 524. effect on morphological and physiological condition of the animal body, (32) 365. estimating values in, (39) 271. experiments—see also Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 286. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98.
phosphatids, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and com, manurial value, (40) 524. effect on morphological and physiological condition of the animal body, (32) 365. estimating values in, (39) 271. experiments—see also Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 286. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98.
phosphatids, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824. effect on morphological and physiological condition of the animal body, (32) 365. estimating values in, (39) 271. experiments—see alvo Cows, Pigs, etc. British, digest of data, (33) 684. British, digest of data, (33) 684. British, in 1911-12, (31) 266. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103.
phosphatids, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and com, manurial value, (40) 824. effect on morphological and physiclogical condition of the animal body, (32) 366. estimating values in, (38) 271. experiments—see also Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 266. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99.
phosphatchs, (31) 008. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (29) 653; (30) 851. Great Salt Lake, (39) 759.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and com, manurial value, (40) 824. effect on morphological and physiological condition of the animal body, (32) 365. estimating values in, (39) 271. experiments—see alvo Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 266. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 89.
phosphatchs, (31) 008. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (29) 653; (30) 851. Great Salt Lake, (39) 759.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824. effect on morphological and physiological condition of the animal body, (32) 365. setimating values in, (39) 271. experiments—see also Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 286. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 99. flour, analyses, (39) 270.
phosphatchs, (31) 008. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (29) 653; (30) 851. Great Salt Lake, (39) 759.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824. effect on morphological and physiological condition of the animal body, (32) 365. setimating values in, (38) 271. experiments—see alvo Cows, Pigs, etc. British, digest of data, (33) 684. British, digest of data, (33) 684. British, in 1911-12, (31) 286. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 89. flour, analyses, (39) 270.
phospitalitis, (31) 008. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 288. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (29) 653; (30) 851. Great Salt Lake, (39) 759. Hawaii, treatise, (29) 250. New England, (40) 280. Wyoming, (38) 255. Faunal zones of Canada, (30) 52.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824. effect on morphological and physiological condition of the animal body, (32) 365. setimating values in, (38) 271. experiments—see alvo Cows, Pigs, etc. British, digest of data, (33) 664. British, digest of data, (33) 664. British, in 1911-12, (31) 266. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 89. measuring rules for, (39) 834. notes, (31) 663. of cattle, (31) 77; (32) 173; (33) 275.
silage, (28) 608. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (29) 653; (30) 851. Great Salt Lake, (39) 759. Hawaii, treatise, (29) 250. New England, (40) 260. Wyoming, (38) 255. Faunas of natural regions of the globe, treatise, (31) 846.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824. effect on morphological and physiclogical condition of the animal body, (32) 366. estimating values in, (38) 271. experiments—see also Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 286. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 89. flour, analyses, (39) 270. measuring rules for, (39) 834. notes, (31) 663. of cattle, (31) 77; (32) 173; (33) 275. cattle, treatise, (32) 255.
phosphatchs, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (20) 623; (30) 851. Great Salt Lake, (39) 759. Hawaii, treatise, (29) 250. New England, (40) 260. Wyoming, (38) 255. Faunal zones of Canada, (30) 52. Faunas of natural regions of the globe, treatise, (31) 846. Favus—	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824. effect on morphological and physiological condition of the animal body, (32) 366. estimating values in, (38) 271. experiments—see also Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 286. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 89. flour, analyses, (39) 270. measuring rules for, (39) 834. notes, (31) 663. of cattle, (31) 77; (32) 173; (33) 275. cattle, treatise, (32) 256. farm animals, (31) 494; (32) 68; (37) 471; (40)
phosphatids, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (29) 250. New England, (40) 280. New England, (40) 280. Wyoming, (38) 255. Faunas zones of Canada, (30) 52. Faunas of natural regions of the globe, treatise, (31) 846. Favus— in poultry, studies, (40) 483.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824. effect on morphological and physiological condition of the animal body, (32) 366. estimating values in, (38) 271. experiments—see also Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 286. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 89. flour, analyses, (39) 270. measuring rules for, (39) 834. notes, (31) 663. of cattle, (31) 77; (32) 173; (33) 275. cattle, treatise, (32) 256. farm animals, (31) 494; (32) 68; (37) 471; (40)
phosphatchs, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (20) 623; (30) 851. Great Salt Lake, (39) 759. Hawaii, treatise, (29) 250. New England, (40) 260. Wyoming, (38) 255. Faunal zones of Canada, (30) 52. Faunas of natural regions of the globe, treatise, (31) 846. Favus—	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824. effect on morphological and physiological condition of the animal body, (32) 366. estimating values in, (38) 271. experiments—see also Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 286. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 89. flour, analyses, (39) 270. measuring rules for, (39) 834. notes, (31) 663. of cattle, (31) 77; (32) 173; (33) 275. cattle, treatise, (32) 256. farm animals, (31) 494; (32) 68; (37) 471; (40)
phosphatids, (31) 008. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (29) 653; (30) 851. Great Salt Lake, (39) 759. Hawaii, treatise, (29) 250. New England, (40) 280. Wyoming, (38) 255. Faunas zones of Canada, (30) 52. Faunas of natural regions of the globe, treatise, (31) 846. Favus— in poultry, studies, (40) 463. relation to Australian wheat, (40) 583. Feathers— analyses and fertilizing value, (32) 722.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824. effect on morphological and physiological condition of the animal body, (32) 365. setimating values in, (38) 271. experiments—see alvo Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 266. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 89. flour, analyses, (39) 270. measuring rules for, (39) 834. notes, (31) 663. of cattle, (31) 77; (32) 173; (33) 275. cattle, (31) 77; (32) 173; (33) 275. cattle, treatise, (32) 256. farm animals, testbook, (36) 597. farm animals, testbook, (36) 597. farm animals, treatise, (28) 465, 898; (30) 67; (31) 468, 563; (36) 666; (37) 94, 172, 767, 795; (38) 268.
phosphatchs, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (29) 625. Great Salt Lake, (39) 759. Hawaii, treatise, (29) 250. New England, (40) 260. Wyoming, (38) 255. Faunal zones of Canada, (30) 52. Faunas of natural regions of the globe, treatise, (31) 846. Favus— in poultry, studies, (40) 483. relation to Australian wheat, (40) 583. Feathers— analyses and fertilizing value, (32) 722. bird, utilization in France, (26) 876.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 324. effect on morphological and physiological condition of the animal body, (32) 365. setimating values in, (39) 271. experiments—see also Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 266. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 89. flour, analyses, (39) 270. measuring rules for, (39) 834. notes, (31) 663. of cattle, (31) 77; (32) 173; (33) 275. cattle, treatise, (32) 256. farm animals, textbook, (36) 597. farm animals, treatise, (28) 465, 398; (30) 67; (31) 468, 563; (36) 666; (37) 94, 172, 767, 795; (38) 268. men in logging camps, (32) 459; (33) 365.
phospitality, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (29) 653; (30) 851. Great Salt Lake, (39) 759. Hawaii, treatise, (29) 250. New England, (40) 260. Wyoming, (38) 255. Faunal zones of Canada, (30) 52. Faunas of natural regions of the globe, treatise, (31) 846. Favus— in poultry, studies, (40) 483. relation to Australian wheat, (40) 583. Feathers— analyses and fertilizing value, (32) 722. bird, utilization in France, (26) 876. development, (27) 770. formation and characteristics, (31) 369.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 324. effect on morphological and physiological condition of the animal body, (32) 365. setimating values in, (39) 271. experiments—see also Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 266. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 89. flour, analyses, (39) 270. measuring rules for, (39) 834. notes, (31) 663. of cattle, (31) 77; (32) 173; (33) 275. cattle, treatise, (32) 256. farm animals, textbook, (36) 597. farm animals, treatise, (28) 465, 398; (30) 67; (31) 468, 563; (36) 666; (37) 94, 172, 767, 795; (38) 268. men in logging camps, (32) 459; (33) 365.
phospitalitis, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (29) 253; (30) 851. Great Salt Lake, (39) 759. Hawaii, treatise, (29) 250. New England, (40) 260. Wyoming, (38) 255. Faunal zones of Canada, (30) 52. Faunas of natural regions of the globe, treatise, (31) 846. Favus— in poultry, studies, (40) 483. relation to Australian wheat, (40) 583. Feathers— analyses and fertilizing value, (32) 722. bird, utilization in France, (26) 876. development, (27) 770. formation and characteristics, (31) 369. melanin pigment of, (38) 171.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 324. effect on morphological and physiological condition of the animal body, (32) 365. setimating values in, (39) 271. experiments—see also Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 266. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 89. flour, analyses, (39) 270. measuring rules for, (39) 834. notes, (31) 663. of cattle, (31) 77; (32) 173; (33) 275. cattle, treatise, (32) 256. farm animals, textbook, (36) 597. farm animals, treatise, (28) 465, 398; (30) 67; (31) 468, 563; (36) 666; (37) 94, 172, 767, 795; (38) 268. men in logging camps, (32) 459; (33) 365.
phospitality, (31) obs. silage, (28) 608. insoluble, purification, (26) 23. liquid and solid, separation, (26) 23. nephelometric values, (39) 311. preparation for titer test, (27) 497. separation of ammonium salts from (26) 112. unsaturated, biological significance, (35) 381. utilization for feeding, (39) 271. variations during inanition and feeding experiments, (34) 258. volatile— determination in feces, (26) 202. in corn silage, (28) 109. Fatty— oils, refractive indexes, (27) 614. substances in oat kernels, notes, (26) 502. Fauna— extinct, of Crete, (27) 371. fresh water, notes, (28) 28. of America, treatise and bibliography, (27) 855. British India, (37) 54, 765; (40) 63. German colonies, (29) 653; (30) 851. Great Salt Lake, (39) 759. Hawaii, treatise, (29) 250. New England, (40) 260. Wyoming, (38) 255. Faunal zones of Canada, (30) 52. Faunas of natural regions of the globe, treatise, (31) 846. Favus— in poultry, studies, (40) 483. relation to Australian wheat, (40) 583. Feathers— analyses and fertilizing value, (32) 722. bird, utilization in France, (26) 876. development, (27) 770. formation and characteristics, (31) 369.	grinding and sitting mill, description and test, (30) 292. mills, tests, (31) 891. rack, description, (38) 593. residues, physical changes during digestion, (39) 476. trough for poultry, (30) 175. unit system for dairy cows, (28) 74. Feeders, automatic, for pigs, (29) 671. Feeding— cake and corn, manurial value, (40) 824. effect on morphological and physiological condition of the animal body, (32) 365. setimating values in, (38) 271. experiments—see alvo Cows, Pigs, etc. British, digest of data, (33) 664. British, in 1911-12, (31) 266. interpretation of results, (26) 767; (30) 369. methods, (27) 469. planning and reporting, (28) 98. probable error in, (29) 169, 170; (33) 871. requirements of, (30) 103. standardization, (32) 99. with rations from restricted sources, (39) 71. floors, concrete, construction, (27) 89. flour, analyses, (39) 270. measuring rules for, (39) 834. notes, (31) 663. of cattle, (31) 77; (32) 173; (33) 275. cattle, (31) 77; (32) 173; (33) 275. cattle, treatise, (32) 256. farm animals, testbook, (36) 597. farm animals, testbook, (36) 597. farm animals, treatise, (28) 465, 898; (30) 67; (31) 468, 563; (36) 666; (37) 94, 172, 767, 795; (38) 268.

The New Court of	Fooding stuffs Continued
Feeding—Continued. standards—	Feeding stuffs—Continued. effect on—continued.
agreement in, (34) 670.	milk production, (27) 176.
discrepancies in, (34) 379.	urine excretion of sheep, (28) 874.
for milk production, (30) 774; (35) 800. for young cattle, (34) 372.	wool, (32) 770. energy value, (27) 176; (28) 169; (33) 72; (36) 367,
formulas in place of, (33) 870.	374, 469.
harmonizing, (32) 99.	ether-soluble constituents of, (32) 709; (34) 13.
notes, (36) 374.	examination and valuation, (28) 715. fermenting power, (31) 413.
starch equivalent theory, (32) 166. studies, (28) 877.	fertilizing—
Feeding stuffs—see also specific kinds.	constituents, (39) 168.
acidity, (32) 259; (35) 770. adulterated, detection, (29) 311; (32) 300.	constituents, (39) 168. ingredients, (26) 73.
adulteration, (30) 466.	value, (29) 769.
amino acid in, (33) 665; (36) 268.	for dry weather, (33) 98. formation of hydrocyanic acid in, (28) 377.
analyses, see also Feeding stuffs, inspection and	grain and cake, residual manurial value, (39)
analyses. analyses. (26) 26, 72, 266, 362, 363, 568, 665, 767, 873; (27) 68, 171, 371, 413, 469, 669, 718, 767, 775, 815; (28) 316, 364, 669, 811; (29) 119, 270, 271, 367, 467, 570, 665; (30) 268, 371, 466, 467, 565, 671, 712, 868; (31) 73, 168, 366, 467, 564, 663, 863, 864; (32) 169, 465, 568, 578, 661, 665, 862; (33) 71, 170, 568, 665, 759, 870; (34) 72, 371, 664, 767; (35) 368, 471, 867; (36) 63, 65; (38) 369, 411, 572, 666; (39) 171, 269, 270; (40) 72. and feeding, treatise, (34) 261, 565; (37) 767. Armsby's table, (40) 875. as affected by—	530. Hawaiian, (39) 167.
873; (27) 68, 171, 371, 413, 469, 669, 718, 767, 775,	in northern Europe, (31) 864.
815; (28) 315, 364, 669, 811; (29) 119, 270, 271,	Indian, composition, (40) 366.
671, 712, 868; (31) 73, 168, 366, 467, 564, 663,	industry in United States, (30) 466. inorganic constituents, importance, (32) 465.
863, 864; (32) 169, 465, 568, 578, 661, 665, 862;	inspection, (28) 364.
(33) 71, 170, 568, 665, 759, 870; (34) 72, 371, 664,	inspection and analyses, see also Feeding stulls,
572, 666: (39) 171, 269, 270: (40) 72	analyses.
and feeding, treatise, (34) 261, 565; (37) 767.	inspection and analyses, (26) 165, 362, 467, 568, 665, 768; (27) 170, 469, 774, 872; (28) 265, 364, 464, 465, 571, 669; (29) 270, 367, 769; (30) 67, 68, 68, 68, 68, 68, 68, 68, 68, 68, 68
Armsby's table, (40) 875.	464, 465, 571, 669; (29) 270, 367, 769; (30) 67, 68,
as affected by—	169, 868; (31) 73, 467, 663; (32) 169, 259, 667; (33)
European war, (35) 891. fermentation in silos, (26) 360. soils and climate, (28) 364. as source of bacterial infection of milk, (32) 472.	169, 868; (31) 73, 467, 663; (32) 169, 269, 667; (33) 71, 371; (34) 168, 169, 263, 371, 665; (35) 378, 374, 562, 867; (36) 167, 268, 667, 765; (37) 268, 471, 767; (38) 67, 368, 369, 470, 665, 772, (39) 70, 167, 270, 370, 773; (40) 72, 470, 571, 665.
soils and climate, (28) 364.	471, 767; (38) 67, 368, 369, 470, 665, 772, (39)
as source of Dacterial Injection of Milk, (32) 4/2.	70, 167, 270, 370, 773; (40) 72, 470, 571, 665.
ash analyses, (29) 861. bacteriological examination, (36) 666.	inspection in—
bacterial flora of, (32) 75. British, notes, (30) 466. buying, (38) 470. by-product, analyses and digestibility, (29) 366.	Alabama, (30) 371; (33) 71. Belgium, (27) 14. Florida, (26) 767, 873; (29) 567; (31) 366; (33) 164; (34) 767; (36) 467, 864. Georgia, (26) 665; (34) 566.
British, notes, (30) 466.	Florida, (26) 767, 873; (29) 567; (31) 366;
by-product, analyses and digestibility, (29) 366.	(33) 164; (34) 767; (36) 467, 864.
by-products, utilization, (28) 74. calcium and phosphorus in, (30) 867.	Germany. (28) 736.
calculating values (20) 271	Germany, (28) 736. Lowa, (38) 762.
calculating values, (39) 271. classification, (30) 169.	Louisiana, (33) 870.
commercial, comparative values, (39) 70.	Maryland, (26) 568; (27) 570; (28) 769; (34)
comparison, (29) 170. compensation for under tenancy, (29) 420.	Louisiana, (33) 870. Maine, (34) 371; (36) 467, 563. Maryland, (26) 568; (27) 570; (28) 769; (34) 566; (39) 269.
composition, (28) 672, 770; (31) 673; (39) 167. composition and digestibility (26) 73, 666; (32)	MASSICHUSELLS, (54) 407.
composition and digestibility (26) 73, 666; (32)	Michigan, (35) 368; (38) 368. New Hampshire, (31) 366.
862. condimental—	North Carolina, (26) 568; (31) 366; (34) 263;
analyses, (26) 568; (27) 670; (28) 464.	(38) 572. North Dakota (28) 762
examination and valuation, (28) 616.	North Dakota, (28) 762. Ohio, (34) 371, 586.
law in Illinois, (29) 61. purchase and use, (36) 667.	Oklahoma, (28) 465.
state control, (27) 670.	Fennsylvania, (21) 570, 670; (30) 568; (32) 568; (34) 72; (38) 369; (39) 270
containing fats, methods of analysis, (32) 312.	South Carolina, (28) 265.
cooking for pigs, (37) 866. cost in Philippines, (26) 362.	Oklahoma, (28) 465. Pennsylvania, (27) 570, 670; (30) 868; (32) 568; (34) 72; (38) 869; (39) 270. South Carolina, (28) 265. South Dakota, (28) 661; (33) 67; (35) 471. Switzerland, (30) 618; (37) 311. Tennessee, (27) 469; (31) 866. Texas, (34) 467. Vermont. (36) 563.
cost of digestible nutrients in, (38) 767; (39) 167,	Tennessee. (27) 469: (31) 366.
damaged, relation to disease in animals, (32) 200.	Texas, (34) 467.
definitions, (28) 762; (29) 367; (31) 73, 467; (33)	Vermont, (36) 563. Virginia, (28) 669; (29) 766; (30) 74, 258, 268;
71; (39) 167.	(32) 661.
determination of nitrogenous constituents, (40) 510.	international movement, (33) 664.
determination of quality, (37) 208. digestibility, (26) 774; (28) 362, 464; (31) 766, 862; (33) 758; (37) 168, 672, 865; (39) 167. digestibility in mixtures, (37) 65, 677.	judging, (29) 367.
digestibility, (26) 774; (28) 362, 464; (31) 766, 862;	law in— Alabama, (30) 372; (33) 71.
digestibility in mixtures, (37) 65, 677.	Alabama, (30) 372; (33) 71. England, (37) 215. Florida, (29) 869; (33) 164.
	Florida, (29) 869; (33) 164.
drying, handbooks, (27) 669. effect of quantity on digestion, (32) 96.	Indiana. (28) 464; (30) 169; (32) 169; (39) 71.
effect on-	Georgia, (31) 73. Indiana, (28) 464; (30) 169; (32) 169; (39) 71, 167; (40) 72.
butter, (31) 77, 375. butter flavor, (32) 270; (38) 683.	Kansas, (27) 171; (29) 666; (32) 169; (34) 169; (39) 370.
CHEESE CHRITEV. (23) 1/5.	Massachusetts, (28) 265, 465.
color of egg yolks, (31) 473. color of milk fat, (31) 273.	New Hampshire, (26) 362; (29) 769; (31) 366;
	(32) 169. New Jersey (28) 364: (29) 665: (37) 767.
composition of manure, (27) 420; (30) 125. composition of milk, (26) 273, 879; (27) 677;	New Jersey, (28) 364; (29) 665; (37) 767. New York State, (28) 364; (30) 68.
composition of malure, (27) 420, (30) 123. composition of milk, (26) 273, 879; (27) 677; (29) 776; (33) 174. eggs, (38) 577.	North Carolina, (31) 366.
eggs, (38) 577. fertility in live stock, (29) 170.	Ohio, (31) 73. Oklahoma, (28) 465.
fetal development, (32) 366; (33) 266.	Oklahoma, (28) 465. Oregon, (35) 471. South Dakota, (29) 567.
lard, (32) 21. milk, (28) 175, 674; (30) 178, 475, 573, 574, 87!	South Dakota, (29) 567.
milk, (28) 175, 674; (30) 178, 475, 575, 574, 877 milk and butter, (34) 570.	Tennessee, (31) 366. Texas, (33) 371; (34) 467; (36) 765; (38) 369; (40) 572.
milk fat, (31) 673.	(40) 572.
milk fat globules, (29) 579; (34) 570.	Wisconsin, (31) 467.

Feeding stuffs—Continued.	Feijoa-Continued.
laws, (28) 74; (29) 266. laws in Great Britain and Ireland, (28) 459.	sellowiana—continued.
laws in Great Britain and Ireland, (28) 459	notes, (27) 242; (30) 839.
laws in United States, (33) 170.	pollination experiments, (31) 837.
laws in United States, (33) 170. leguminous, analyses (29) 569.	Feldspar—
list of manufacturers, (27) 170.	as source of potash, (27) 724; (29) 215, 518; (31;
low grade, discussion, (29) 769.	as source of potash, (27) 721; (29) 215, 518; (31; 621; (32) 126, 324; (34) 27, 328; (35) 326; (36) 728;
	(37) 427; (38) 123; (39) 218, 219; (40) 134.
manurial residues, (30) 120. manurial values, (31) 221; (40) 126. medicinal, inspection, (34) 169. methods of analysis, (27) 205, 498, 609; (28) 208; (29) 311: (31) 806: (39) 611.	as source of silica, and alumina, (27) 724; (29) 518.
medicinal inspection (34) 169	deposits in Georgia, (34) 328.
methods of analysis (27) 205, 498, 609: (28) 208:	electrically-treated fortilizing value (35) 798
(29) 311; (31) 806; (39) 611.	electrically-treated, fertilizing value, (35) 726.
microscopic identification, (27) 872.	extraction of potash from, (26) 726.
mineral constituents, digestibility, (40) 769.	fer tilizing value, (38) 218; (39) 116; (40) 134, 515.
mineral content in relation to weather, (33) 870.	ground, fertilizing value, (34) 328; (37) 522. production in 1913, (31) 321.
mired adulteration (96) 165	
mixed analyses (26) 165 266 363 468 568 685	use in fixation of atmospheric nitrogen, (29) 518. utilization, (28) 222.
714 768 809: (27) 68 170 171 489 570 670:	Fellonic acid, notes, (31) 312.
mixed, adulteration, (26) 165, mixed, analyses, (26) 165, 266, 363, 468, 568, 665, 714, 768, 809; (27) 68, 170, 171, 469, 570, 670; (28) 265, 384, 464; (29) 467, 570.	Felt waste, fertilizing value, (33) 125.
mixing, (31) 77.	Feltia—
movement through alimentary tract, (26) 469.	(Agrotis) exclamationis, biology, (32) 59.
mycology of, (26) 355.	ducens, notes, (27) 659.
new, (40) 72.	spp. in Louisiana, (40) 58.
nitrogen-free extracts in, (32) 21.	Fence—
nitrogen-protein table for, (33) 711.	dog-proof, description, (32) 866.
nonprotein nitrogen in, (36) 205.	nosts, concrete—
notes, (26) 768: (29) 876	construction (28) 290: (34) 487 685
nutritive value (26) 767: (29) 170: (33) 170.	machines for. (30) 487
notes, (26) 768; (29) 876. nutritive value, (26) 767; (29) 170; (33) 170. nutritive value as affected by ensiling, (30) 371.	construction, (28) 290; (34) 487, 685. machines for, (30) 487. mold for, (32) 788.
nutritive value, comparison, (36) 666.	nosts—
of animal origin, for herbivorous animals, (26)	durability, (37) 298.
567.	fungi attacking. (38) 645
of minor importance, (38) 168.	preservation, (27) 148: (28) 147, 344, 441: (20)
patent, description, (33) 170.	443: (31) 241: (33) 242 544: (34) 153 743
of minor importance, (38) 168. patent, description, (33) 170. pentosans of, (34) 168.	durability, (37) 298. fungi attacking, (38) 645. preservation, (27) 148; (28) 147, 344, 441; (29) 448; (31) 241; (38) 242, 544; (34) 153, 743 (35) 843; (36) 244; (33) 248, 643, 644, 645. tamarack for, (40) 744.
phytin phosphorus of, (40) 772.	tamprack for. (40) 744
precalculating costs, (36) 271.	Fences—
orimer. (28) 265.	and fencing in New South Wales, (33) 589.
primer, (28) 265. productive values, (32) 368; (35) 561; (37) 865.	construction, (34) 487; (37) 886. construction, handbook, (33) 291.
proprietary	construction, handbook, (33) 291.
analyses, (26) 72, 362, 568, 768, 873; (27) 68,	probable duration of, (31) 591.
371, 469, 570, 670, 774, 775, 872; (28) 364,	probable duration of, (31) 591. wicker, construction, (35) 88.
analyses, (26) 72, 362, 568, 768, 873; (27) 68, 371, 469, 570, 670, 774, 775, 872; (28) 364, 465, 572, 669, 769; (29) 271, 367; (30) 377,	wire, as affected by smoke, (33) 428.
671.	wire, deterioration, (27) 793.
digestibility, (28) 363, 464.	wire, deterioration, (27) 793. Fencing, cost data, (34) 485.
rate of passage through steers, (37) 673.	Fennel—
registered, (29) 367.	floral anomalies in, (29) 629.
registration, (31) 73.	presence in flour, (38) 712.
relation to animal diseases, (29) 66.	Fenugreek—
review of literature, (26) 266.	as green manure, (40) 24.
separation of organic phosphorus compounds,	nodule bacteria of. (32) 33.
(27) 615.	seed, deodorizing, (32) 660.
silica of, estimation, (40) 610.	seed, germination energy of, (29) 538.
southern, for fattening calves, (39) 169.	use in bread making, (40) 66.
spoiled, fertilizing value, (39) 430.	Ferment—
starch—	action, reversibility, (30) 311.
content, (31) 809.	action, studies, (32) 678; (34) 674; (35) 486.
equivalent theory, (33) 870.	Bulgarian, effect on monobasic acid, (26) 203.
equivalents, (26) 467.	new glucolytic, of yeast, (28) 710.
sugar-containing, energy value, (32) 767.	Fermentation—
sugar-containing, notes, (34) 565.	alcoholic
Texan, egg-producing values, (39) 176.	as affected by colloids, (30) 431.
therms, starch values, and feed units, (28) 74.	as affected by enzyms, (27) 426.
treatise, (26) 164.	in seeds, (27) 220.
utilization by fat cattle, (38) 469.	monograph, (29) 714; (34) 318. studies, (38) 317.
utilization by zebus, (29) 69. valuation, (26) 363; (28) 265; (31) 71, 371, 864;	studies, (38) 317.
valuation, (26) 363; (28) 265; (31) 71, 371, 864;	and putreisction, studies, (26) 308.
(32) 368, 665; (34) 379, 670; (35) 372; (38) 66, 367,	as affected by fluorin, (32) 308.
368.	as affected by X-rays, (27) 231. bacterial, in cereals, (29) 289.
war, notes, (36) 367.	Dacterial, in cereals, (29) 269.
warm v. cold, (31) 367.	bacteriology of, (28) 563. bibliography, (26) 613.
waste, utilization, (35) 669.	Dibliography, (20) 013.
water-soluble nitrogen of, (34) 72, 501.	chemistry, progress in 1911, (29) 107. cytological researches, (36) 802.
weed seeds in, (40) 637.	cytological researches, (30) 802.
Feeding—	effect on protein formation, (31) 223.
suggestions on, (39) 271.	gases, methods of analysis, (30) 505.
summary of investigations, (38) 572.	gassy, in Emmental cheese, (31) 477.
use of desert plants, (40) 276.	in baking, (33) 66; (36) 464.
use of substitutes in, (39) 880.	human intestines, (30) 262. silos, effect on feeding stuffs, (26) 360.
utilization of wild vegetation for, (40) 665.	SHOS, OHECE OH RECURING SELLIES, (20) 500.
vitamin factor in, (40) 577.	wineries, (34) 207. industry, chemistry of, (33) 806. mixtures, preparation, (38) 509. notes, (26) 358.
Feeds, see Feeding stuffs.	mistures properation (28) 500
Fehling's—	notes (96) 358
solution, composition, (27) 714.	of bread, studies, (29) 864.
sugar test, colloid chemistry of, (39) 14.	organisms, culture, (30) 712.
Feijoa—	processes in brawaries distillaries and reces
analyses, (40) 763.	processes in brewerles, distilleries, and yeast factories, treatise, (29) 509.
G14G4 3 G4G (TU) (UU 4	
sellowiana-	products, effect on plant respiration, (26) 627.

Fermentation—Continued.	Ferrous—
products, use in animal feeding, (29) 665.	iron content of volcanic ash, (40) 812.
progress in 1907 and 1908, (27) 15. relation to respiration in plants, (28) 328.	phosphate, fertilizing value, (36) 626. sulphate—
review of investigations, (30) 11.	antiseptic and germicidal value, (37) 176.
theories of, (33) 824. treatise, (27) 201.	effect on ammonification, (28) 724. effect on germination of seeds, (29) 828.
viscous, studies, (38) 317.	effect on potatoes, (30) 735.
Ferments—see also Enyzms.	effect on soil acidity, (37) 23. fertilizing value, (27) 628; (28) 820; (30) 326.
and their action, treatise, (30) 610. as affected by—	in sulphur-phosphate compost, (39) 624, 822.
hydrogen peroxid, (28) 112.	Fertilime, analyses, (38) 626. Fertility—
temperature, (26) 308. various substances, (26) 309.	in the rat, relation to age, (40) 468.
X-rays, (27) 225.	relation to color and sex in guinea pigs, (30) 472. Fertilization—
carbohydrate, of pancreatic juice, (34) 257. chemistry of, (28) 201.	effect on soils, (30) 219.
determination, (29) 408.	effect on surface area of soils, (32) 318. mechanism of, (28) 668.
digestive, adaptation to diet, (34) 662. digestive, assay of, (27) 108.	theory of, (29) 167.
duodenal, activity of, (29) 268.	Fertilizer— chemistry, progress in, (26) 724.
factors affecting activity and stability, (31) 203. in invertebrates, (33) 311.	composts, Philippine, from plant materials,
in sterile milk, (28) 411.	(39) 523. constituents in tobacco products, analyses, (26)
in tuberculous caseous material, (32) 274. nomenclature (31) 409.	715.
oxidation, of plants, (33) 409.	constituents, loss in drainage water, (27) 519. experiments, see also special crops.
pancreatic, (29) 662. protective—	experiments, see also special crops. experiments, (30) 125; (32) 321, 819; (38) 19, 120, 624, 825; (39) 327, 737, 799, 812; (40) 229, 321, 422, 515, 724.
diagnostic value, (31) 876.	624, 825; (39) 327, 737, 799, 812; (40) 229, 321,
formation, (34) 578. of the animal organism, (30) 77.	experiments—
studies, (33) 279, 385; (34) 578, 579.	at Aas Agricultural College, (30) 333. Central Agricultural Experiment Station
proteoclastic, formation, (35) 179, 382.	of Stockholm, (31) 123. Pée Dee substation, (38) 816.
as affected by phosphates, (27) 108.	Pée Dee substation, (38) 816. Stavropol Caucasian station, (37) 521.
coagulation of milk by, (28) 112. in blood during starvation, (32) 178.	cooperative, in East Prussia, (31) 821.
method of study, (26) 107.	cooperative, in Holland, (31) 820. directions for, (31) 28, 218.
vegetable, in latexes, (31) 409. reducing, studies, (26) 310.	discrepancy in results, (27) 519.
reducing, studies, (26) 310. reduction, notes, (26) 507.	environmental factors in (32) 321
relation to — aroma in tea. (26) 309.	error in, (28) 221. factors affecting results, (32) 216.
aroma in tea, (26) 309. digestion and other life processes, (34) 563.	naid v. laboratory, (32) 515
food decomposition in cold storage, (31) 659. respiratory, in plants, (27) 828. rôle of electrolytes in, (27) 712.	in Assam, (37) 427. German colonies, (31) 622.
rôle of electrolytes in, (27) 712.	northern England, (33) 326.
saccharification of starch by, (28) 609. selected, in cheese making, (33) 277.	Prussia, (29) 426. Rhode Island, (38) 325.
sensitiveness of complement toward, (20) 175.	Switzerland, (34) 22.
specific, for typhoid-coli group, (34) 278. standardized, therapeutic value, (33) 477.	the Northwest, (29) 821. West Prussia, (30) 427.
textbook, (30) 311.	interpretation, (31) 28, 319, 320.
Boston, variation in, (36) 434.	lime-requirement factor in, (32) 623. methods of conducting, (27) 519; (36) 121.
caterpillar, see Callopistria floridensis.	notes, (29) 213.
land, conversion into grass, (37) 142.	on DeKalb soil, (40) 723. moor soils, (40) 230.
	muck, "shot clay," and other soils, (33)
prothallia, (35) 431. prothallia, nutrition and development of sexual	peaty meadows in Hungary, (30) 220.
organs in, (34) 824.	systematic scheme for, (34) 218. triangle system, (37) 799; (40) 126.
rusts, hosts of, (29) 645. scale, notes, (27 455; (28) 854; (36) 252.	value, (35) 121.
tree trunks, analyses, (29) 270.	factories, construction, (27) 327, formulas, (31) 628.
Fern-asparagus root borer, notes, (28) 854.	formulas, tables for, (31) 323.
Ferns-	from dogfish, (32) 424, 722. from fish wastes, (32) 519.
certificated by Royal Horticultural Society, (31) 340.	from kelp, (33) 424.
culture, (39) 449.	industry— in Austria-Hungary, (33) 821.
eradication, (33) 836. Nephrolepis, breeding, (35) 345.	Belgium, Netherlands, Norway, and
Nephrolepis, breeding, (35) 345. of Vermont, (33) 330.	Sweden, (30) 127. Great Britain, (40) 816.
Ferrets—	Southern States, (32) 219.
parasites of, (31) 586. treatise, (37) 769.	Southern States, (32) 219. United States, (26) 819; (30) 628, 791; (32) 424; (36) 817.
Ferric—see also Iron.	
chlorid, examination, (30) 666. chlorid hydrolyzed with fibrin, products, (39)	progress in 1909–1911, (27) 629. rôle of chemistry in, (33) 425.
204,	law in
hydrate, effect on nitrification in soils, (28) 217. phosphate, fertilizing value, (26) 622; (28) 815;	Alabama, (27) 521; (32) 725. Delaware, (38) 124. England, (37) 215.
(36) 626.	England, (37) 215.
sulphate— action on plants, (39) 630.	Georgia, (26) 127, 624. Maryland, (27) 727.
fertilizing value, (40) 440.	Massachusetts, (26) 727; (27) 327; (40) 517.
hydrolysis and oxidation in soil, (39) 522.	Michigan, (30) 428.

Fertilizer—Continued. law in—continued.	Fertilizers—Continued.
Missouri (20) 626	catalytic— notes, (26) 225; (27) 628, 824; (31) 320.
Netherlands, (27) 725.	review of investigations (28) 222
New Jersey, (28) 320, 720. Ohio. (28) 127: (27) 128.	review of literature, (30) 821.
Netherlands, (27) 725. New Jersey, (28) 326, 726. Ohio, (28) 127; (27) 128. Pennsylvania, (27) 727; (34) 625.	use, (27) 327; (34) 623.
Porto Rico. (33) 821. Tennessee (27) 219; (33) 126; (35) 328. Texas, (26) 35; (28) 34.	review of literature, (30) 821. tosts, (30) 627; (31) 31; (35) 523. use, (27) 327; (34) 623. use with lime nitrogen, (35) 519.
Texas. (26) 35: (28) 34.	chemical. treatise, (40) 421. chemistry of, (33) 219.
wasnington, (28) 727.	commercial, insoluble nitrogen in, (40) 134.
West Virginia, (33) 220.	composition, (30) 327.
laws— in Great Britain and Ireland, (28) 459.	composition and use, (27) 727. conservation, (36) 723.
in United States, (31) 323.	cost and returns, (40) 724.
report. (27) 806. materials—	cost and use in 1916, (35) 21.
definitions, (29) 517.	decomposition by bacteria, (28) 221. destruction of weeds by, (26) 333.
definitions, (29) 517. in United States, (29) 517.	direct nutrition of plants by, (30) 124.
microscopic identification, (31) 517. mixtures for crops, (26) 622.	destruction of weeds by, (28) 333. direct nutrition of plants by, (30) 124. drilling v. broadcasting, (31) 123; (33) 517. effect of long-continued use, (28) 123, 624.
mixtures tests, (26) 632.	enection—
new mineral, tests, (29) 129. plant, municipal, at Los Angeles, California,	action of soil organic compounds, (34) 126.
(33) 625.	apples, (29) 438; (37) 41. asparagus roots, (28) 236; (30) 142.
plats, bacteriology of, (34) 127.	beets, (29) 332.
problem, discussion, (37) 815. raw materials. imports into United States, (26)	carnations, (36) 445. catalytic power of soils, (28) 118.
524.	coherence of soils, (31) 123.
requirements—	cold resistance of almonds, (30) 238.
in England, France, and Italy, (40) 422. in Great Britain. (40) 24.	color of apples, (26) 817.
in Great Britain, (40) 24, in Norway, (40) 127. of crops, (28) 722. resources of United States, (27) 22.	asparagus, (27) 500; (36) 839.
of crops, (28) 722.	Deets, (28) 124; (31) 736.
salts—	currant juice, (29) 838.
action, (37) 624.	grasses, (32) 665.
effect on plants, (28) 739. toxicity toward plants, (35) 221.	mangold leaves, (28) 129
situation in-	meadow hay, (31) 622; (34) 620.
Egypt, (39) 724.	color of apples, (26) 817. effect on composition of— asparagus, (27) 500; (36) 839. bects, (28) 124; (31) 736. cereals, (37) 827. currant juice, (29) 838. grasses, (32) 665. hay crop, (27) 35. mangoid leaves, (28) 129. meadow hay, (31) 622; (34) 620. medicinal plants, (34) 18. oranges, (37) 649. rice, (29) 231. soy beans, (34) 632.
Germany, (34) 327. Great Britain, (34) 621; (39) 120 522. 616.	rice, (29) 231.
Rhodesia, (40) 621. South Africa, (39) 724; (40) 127.	soy beans, (34) 632.
United States, (35) 724; (40) 127. United States, (35) 121; (39) 120, 327.	tobacco ash, (37) 541. wheat, (28) 140, 535; (32) 252; (37) 38; (38)
supply of—	438, 518
France, (39) 424.	effect on—
south India. (32) 424. United States for 1919, (40) 421.	crop growth, (34) 517. crop production in Germany, (30) 220.
works of Paris, odors from, (27) 21	crop yields, (30) 135.
Fertilizers—see also specific material.	decomposition of organic matter, (40) 214.
absorption by trees. (26) 443.	development of cotton, (34) 337. drainage water, (26) 619. fish, (29) 821.
Fertilizers—see also specific material. absorption by soils, (31) 723. absorption by trees, (26) 443. action, (27) 500; (28) 33. action as affected by—	fish, (29) 821.
barnyard manure, (26) 522.	fruits, (28) 144. germination of seeds, (29) 327.
irrigation (26) 522.	ginning output of cotton, (26) 635.
organic compounds, (26) 224. adaptation to crops and soils, (29) 821.	grapes, (31) 339. hydrogen-ion concentration in soils, (39) 424.
after effect, (29) 729.	keeping quality of cranberries, (30) 143; (31)
analyzan are also Postilizans inspection and	741.
analyses, cee uso Fettinizers, hispection and analyses, (26) 26, 35, 127, 225, 325, 429, 624, 727, 809, 819; (27) 128, 219, 327, 413, 423, 521, 629, 718, 727, 815; (28) 224, 315, 325, 523, 627, 811, 820; (29) 119, 320, 521, 522, 626, 729; (30) 428, 697, 712, 720; (31) 31, 323, 624, 727, 823; (32) 32, 109, 219, 325, 424, 621, 725; (33) 126, 723, 521; (34) 332, 426, 625, 727; (35) 328, 430, 631, 728; (36) 124, 521, 628, 711, 822; (37) 24, 114, 127, 219, 220, 429, 630, 818; (38) 411, 425, 626; (40) 415. analyses, statement of results, (26) 523.	keeping quality of pears, (27) 644; (29) 640. lime requirements of soils, (37) 125.
809, 819; (27) 128, 219, 327, 413, 423, 521, 629,	maturity of cotton, (31) 39.
718, 727, 815; (28) 224, 315, 325, 523, 627, 811, 820; (29) 119, 320, 521, 522, 626, 729; (30) 428.	nitrification in soils, (35) 321; (36) 118. nitrogen content of soils, (36) 218.
697, 712, 720; (31) 31, 323, 624, 727, 823; (32)	oats, (29) 151.
32, 169, 219, 325, 424, 621, 725; (33) 126, 723,	oil content seeds, (32) 428.
728: (36) 124, 521, 628, 711, 822; (37) 24, 114.	oranges, (36) 642. pear blight, (34) 647.
127, 219, 220, 429, 630, 818; (38) 411, 425, 626;	plant food in soils, (29) 623.
(40) 415. analyses, statement of results, (26) 523.	plant food in soils, (29) 823. plant growth, (29) 329. potato scab, (32) 750.
analysis, vegetation test as a basis for, (33) 711.	production of cerems, (32) 827.
and manures, handbook, (28) 538.	protein content of soy beans, (34) 140.
and manures, textbook, (30) 24. and soil fertility, treatise, (28) 423.	quality of sugar beets, (28) 44. quality of tobacco. (38) 37, 139, 140, 239.
and soil fertility, treatise, (28) 423. application, (31) 38, 328; (33) 122; (34) 327; (37)	quality of tobacco, (38) 37, 139, 140, 239. quality of wheat, (35) 832.
222, 521; (38) 619, 624; (39) 520. application through leaves of plants, (30) 128.	resistance of grain to half, (30) 518.
as affected by—	ripening of pears, (31) 534. root development, (28) 327; (29) 828; (30) 136.
European war, (35) 891.	rust production. (28) 148.
soil moisture, (32) 814. water supply, (32) 813.	set of fruit in peaches, (29) 40. soil acidity, (29) 237; (35) 22, 727; (37) 23.
water supply, (32) 813. as nutrient for soil bacteria, (34) 327.	soil acidity, (29) 237; (35) 22, 727; (37) 23. soil aldehydes, (36) 424. soil fertility, (34) 517.
avauadility, (36) 818.	Sou fertility, (34) 517.
availability of insoluble nitrogen in, (35) 426. availability of nitrogen in, (27) 723; (28) 724.	soil moisture, (33) 217. soils, (27) 121; (28) 520; (32) 31, 721; (33) 122; (35) 216, 516.
bibliography. (34) 426.	(35) 216, 516.

Fertilizers—Continued.	Fertilizers—Continued.
effect on solubility of— inorganic soil constituents, (37) 422.	inspection in—Continued. Ohio. (26) 127; (27) 128; (29) 522; (30) 720.
manganese in soils, (35) 424.	Ohio, (26) 127; (27) 128; (29) 522; (30) 720; (32) 325; (34) 727; (35) 728; (36) 124, 521;
plant food in soils, (35) 629. effect on—	(37) 429. Pennsylvania. (26) 727; (27) 128, 727; (31)
storch content of notatoes (32) 731	Pennsylvania, (26) 727; (27) 128, 727; (31) 31; (32) 325; (34) 625; (35) 631; (36) 628; (37)
strawberries, (31) 534. the eye, (31) 29. tobacco, (33) 732. tomatoes, (29) 339. toricity of creanic compounds, (27) 520	220, 818. Porto Rico. (33) 821; (34) 521.
tobacco, (33) 732.	Porto Rico, (33) 821; (34) 521. Savony, (32) 689. Switzerland, (30) 618; (37) 311. Tennessee, (27) 219; (33) 126; (35) 328. Virginia, (33) 821. Wisconsin, (27) 128
	Switzerland, (30) 618; (37) 311. Tennessee, (27) 219; (33) 126; (35) 328.
variation in corn and beans, (29) 435. weed growth in meadows, (38) 141. weight of cotton seed, (26) 635.	Virginia, (33) 821.
weed growth in meadows, (38) 141. weight of cotton seed. (26) 635.	Wisconsin, (27) 128. international movement, (33) 626; (34) 426; (39)
Weight of oats, (31) 136.	823, 824.
yield of rubber, (31) 444. efficiency in dry years, (30) 626. export from India, (33) 327.	international trade, (37) 523.
export from India, (33) 327.	lessons on, (31) 394. licensed, (31) 467.
factors affecting availibility, (28) 420. feldspathic, as sources of potash, (29) 796.	long-continued use, (34) 128; (36) 122; (37) 626; (38) 220.
feldspathic, as sources of potash, (29) 796. fermented, composition, (28) 124. field tests, (27) 500; (28) 33.	loss by leaching, (28) 423; (33) 122; (36) 725. loss from soils, (29) 211.
neid tests, (27) 500; (28) 33. for carnations, (27) 844.	loss from soils, (29) 211. loss in industrial wastes, (37) 630.
for carnations, (27) 844. forest trees, (35) 347.	low-grade, (35) 899.
fruit trees at planting time, (33) 237. grasslands, application, (40) 626.	manufacture, (38) 423. methods of analysis, (27) 205, 515, 609; (30) 809;
hay and pastures, (29) 517.	(31) 806.
hops, (29) 534. Illinois farms, sources, (39) 524.	methods of applying for tobacco, (26) 133. microscopical analysis, (30) 809.
Missouri soils, (33) 212, 213, 214, 215.	mineral, effect on—
Missouri solls, (33) 212, 213, 214, 215. moor lands, (29) 516. truck crops, treatise, (29) 837. vegetables, (37) 320.	activity of soil bacteria, (31) 821
vegetables, (37) 320.	nitrogen transformation in soils, (33) 620. plant growth, (31) 27. soil bacteria, (33) 515.
Wayne County, Ohio, farms, (36) 893.	soil bacteria, (33) 515.
Wayne County, Ohio, farms, (36) 893. freight rates on, (34) 392. from city refuse, (27) 521. industrial wastes, (39) 429.	mixed, solubility of potash in, (31) 207. mixing, (27) 423; (28) 508; (31) 29, 218; (38) 519. mixing with seed, (34) 517. nature and use, (27) 521; (34) 326. net returns at 1916-17 prices, (39) 217.
industrial wastes, (39) 429.	mixing with seed, (34) 517.
minor sources, (39) 430.	net returns at 1916-17 prices, (39) 217.
municinal wasta (22) 210	new views on, (51) 516.
the ocean, (26) 324. handbook, (26) 725; (27) 128, 327; (29) 193, 517; (31) 323; (34) 29; (36) 124; (37) 724; (39) 724.	nitrogenous, see Nitrogenous fertilizers. notes, (28) 423; (30) 720; (31) 723.
(31) 323; (34) 29; (38) 124; (37) 724; (39) 724.	organic and mineral, separation, (33) 12.
home mixed v. factory mixed, (30) 25. home mixing, (27) 328; (28) 723; (29) 521; (32) 825, 725; (34) 426.	organic nitrogenous compounds, (37) 216. penetration of soils by, (27) 420.
825, 725; (34) 426.	phosphatic, see Phosphates. pot tests v. field trials, (33) 817.
home mixing and use, (30) 821. importance of, (31) 215.	potash, see Potash.
importation into Uruguay, (33) 626.	preparation and use, (31) 823.
imports and consumption in United States, (38) 817.	preparation from sewage, (28) 619; (31) 417. prices, 1907–1917, (38) 521.
imports into New Zealand, (29) 729.	processed, nitrogen in, (32) 217; (34) 327.
in Germany, (32) 722. inefficiency of in dry regions, (31) 421.	production— and use, (30) 223; (31) 424; (32) 425; (35) 631.
inorganic, for sugar beets, (27) 500.	and use in Russia, (30) 720; (31) 29.
inspection and analyses, see also Fertilizers,	and use in the South, (29) 213. and use under war conditions, (37) 724.
inspection and analyses, (28) 324, 522, 524, 624, 727, 819; (27) 128, 219, 327, 423, 521; (28) 34, 126, 325, 326, 425, 523, 626, 627, 726; (29) 420, 731, 823; (30) 28, 128, 327, 428, 520, 823; (31) 31, 126, 322, 727; (32) 219, 519, 520, 624, 725, 822; (33) 27, 126, 520, 724; (34) 133, 134, 332, 426, 520, 521, 624, 625, 726, 822; (35) 127, 128, 221, 328, 430, 728; (36) 125, 326, 327, 429, 520, 521, 627, 628, 728, 728, 729, 822; (37) 127, 219, 324, 428, 524, 724; (38) 124, 328, 425, 521, 626; (39) 25, 121, 222, 329, 430, 730, 823; (40) 26, 424, 517, 622, 726. inspection in—	in Germany in 1912, (29) 128. in Japan, (20) 729. profits from, (38) 210. purchase and use, (27) 128; (32) 325, 621; (36) 220. purchasing, (29) 213; (33) 821.
325, 326, 425, 523, 626, 627, 726; (29) 420, 731,	profits from, (38) 219.
823; (30) 28, 128, 327, 428, 520, 823; (31) 31, 126,	purchase and use, (27) 128; (32) 325, 621; (36) 220.
27, 126, 520, 724; (34) 133, 134, 332, 426, 520, 521,	parchasing and nome mixing, (20) 321.
624, 625, 726, 822; (35) 127, 128, 221, 328, 430,	purchasing in Netherlands, (34) 893.
728, 729, 822; (37) 127, 219, 324, 428, 524, 724;	radioactive, examination, (36) 414. radioactive, tests, (28) 521; (29) 731; (31) 31, 821;
(38) 124, 328, 425, 521, 626; (39) 25, 121, 222,	(32) 519, 722. registered, (29) 367.
inspection in—	relation to—
Alabama, (28) 624; (27) 521; (29) 521; (32) 725; (37) 219.	apple fire blight, (28) 144. bacteria, (28) 727.
	cold resistance in plants, (39) 525.
California, (38) 425; (40) 222. Canada, (26) 426; (28) 523; (34) 625. Florida, (26) 127, 624; (27) 629, 727; (29) 320; (30) 428; (32) 219, 725; (35) 430, 728; (36)	dry spot of cereals, (29) 46. grape chlorosis, (26) 344.
Florida, (26) 127, 624; (27) 629, 727; (29) 320;	nicotin content of tobacco, (35) 333. soil fertility, (29) 213; (30) 821.
(30) 428; (32) 219, 725; (35) 430, 728; (36)	soil fertility, (29) 213; (30) 821. remedying scarcity of, (36) 220.
467, 822, 864. Georgia, (26) 624.	residual
Germany, (28) 736. Indiana, (29) 626.	effects, (26) 331; (28) 122; (31) 319, 516; (34) 25; (36) 324, 829. value, (37) 133, 230; (38) 527. value, determination, (34) 22.
Louisiana, (34) 332,	value, (37) 133, 230; (38) 527.
Maine, (36) 467.	value, determination, (34) 22. review of investigations, (27) 128; (28) 221;
Maryland, (26) 819; (27) 727; (28) 820; (29) 522; (31) 727; (34) 426; (37) 24, 127; (38) 425.	(29) 821; (31) 723; (35) 516.
Mississinni (27) 727	review of literature, (28) 325. sampling, (29) 517; (36) 299, 711; (37) 9.
New Jersey, (28) 820; (37) 219, 429; (39) 330. North Carolina, (27) 219, 423; (28) 627; (29) 320, 522; (31) 126, 323, 624; (33) 821; (34)	school exercises in, (31) 599.
320, 522; (31) 126, 323, 624; (33) 821; (34) 426, 727; (37) 220, 630.	secondary actions, (27) 622. secondary and subsidiary effects, (30) 26.

Totalitana Continua	To the Continue
Fertilizers—Continued. sources, availability, and use, (31) 30.	Festuca—Continued. rubra, var. fallax, analyses, (31) 863.
sources, value, and use, (33) 124.	spp., culture experiments, (27) 234.
statistics, (27) 328; (33) 218, 219. status of investigations, (27) 622.	Feterita— and corn, transpiration, (39) 440.
status of investigations, (27) 622. supply in England, (37) 218.	as dry-farm crop, (39) 736.
supply in United States, (38) 820. textbook, (38) 196.	breeding experiments, (39) 736. chemistry of, (40) 608.
time of application (26) 233.	chop, analyses, (34) 467; (36) 765; (38) 369.
treatise, (26) 34, 124, 521; (27) 218; (31) 517; (36) 119; (39) 724.	composition and food value, (31) 358. culture—
unbalanced, effects, (40) 621. use, (26) 127, 521, 724, 725; (28) 726; (31) 217, 421;	experiments, (32) 526; (33) 32, 332; (34) 630; (35) 829; (37) 132, 331, 730; (38) 829, 831;
use, (26) 127, 521, 724, 725; (28) 726; (31) 217, 421; (35) 325, 338; (36) 24, 425, 520; (37) 227; (38) 119.	(35) 829; (37) 132, 331, 730; (38) 829, 831; (40) 432, 433.
use against—	in Arizona, (32) 226.
beet rots, (30) 244. plant parasites and diseases, (27) 128.	eastern Oregon, (38) 432.
weeds in pastures, (31) 38.	Kansas, (39) 33. Tevas, (35) 440; (39) 538, 838.
use in— Canada, (30) 627; (37) 425.	digestibility, (39) 171. digestibility and productive value, (37) 865.
Canary Islands, (31) 517.	fats and fatty acids of, (38) 410.
Central America, (31) 723. China, (31) 723.	feeding value, (39) 71, 174. fertilizer experiments, (38) 431, 830, 832.
citrus groves, (36) 743. corn belt, (27) 531; (28) 325; (29) 623.	flour, baking tests, (33) 64.
dry seasons, (26) 522.	foods, recipes, (31) 358. for silage, yields and value, (38) 174.
Iorests, (28) 843.	grain, digestibility, (36) 661.
Germany, (36) 726. greenhouses, (33) 42.	hydrocyanic acid in, (33) 234. improvement, (40) 737.
Guadaloupe, (27) 825. Holland, (30) 720.	notes, (29) 141.
Holland, (30) 720.	seeding experiments, (38) 630. starch content, (35) 108.
Hungary, (27) 422; (30) 222. Japan, (28) 221; (29) 729; (30) 520. pond culture, (29) 731.	use in bread making, (34) 67.
pond culture, (29) 731. relation to weather, (36) 510.	varieties for central and southern Great Plains, (35) 832.
Russia, (27) 521, 825.	Fetlock injury in horses, treatment, (30) 185.
Russia, (27) 521, 825. Spain, (26) 728; (27) 328, 423. the Alps, (27) 218. the South, (26) 819. Third Store, (27) 23, 238, (21) 424.	fetus— development, factors affecting, (33) 266.
the South, (26) 819.	development, nutrients required for, (28) 570.
United States, (27) 22, 328; (31) 424. war time, (38) 723.	574; (31) 370. hormones of, (30) 201.
use of intrate of sour in (20) 55, (27) 725.	protein metabolism of, (2d) 363.
of peat in, (39) 425. on clay soils in Nebraska, (30) 220.	of twin cattle, (40) 406.
on marsh and sandy soils, (33) 325. on peat soils, (37) 134, 720. with barnyard manure, (28) 625.	transmission of antibodies to, in utero, (38) 284.
with barnyard manure, (28) 625.	Fever, relapsing, transmission, (40) 550. Fiber—
utilization by crops, (34) 327. utilization by plants, (36) 217. v. manure, (32) 747; (35) 815. valuation, (26) 311, 524, 725; (28) 721; (31) 17, 221;	coniferous, variation in length, (33) 143.
v. manure. (32) 747; (35) 815.	crops— culture experiments, (31) 228.
valuation, (26) 311, 524, 725; (28) 721; (31) 17, 221;	culture in Dutch East Indies, (30) 697. notes, (26) 835.
(32) 822. value and use, (33) 724, 817. yearbook, (29) 213; (34) 28.	of Chile, (38) 336.
yearbook, (29) 213; (34) 28. Fertilizing constituents excreted by steers, (39) 576.	crude, see Cellulose. from Epilobium and Typha, (39) 510.
Ferula sp., carotinoid content, (31) 803.	from Hedychium coronarium, (39) 638.
Fescue (31) 820	from nettle, (40) 35.
as forage crop, (31) 829. as pasture crop, (39) 130, 434.	industry in Antigua, (38) 336. industry in British East Africa, (33) 530; (34)
grass, culture experiments, (38) 133. grass ergot, notes, (31) 539.	227. industry in Mauritius, (34) 227, 434.
growth on volcanic ash, (32) 36.	of Malvaceae, (36) 803.
hard, culture experiments, (40) 136. irrigation experiments, (32) 224.	olona, (40) 529. plant, new, in Texas, (30) 733.
meadow—	plant, new, notes, (27) 33.
and clover, yields, (40) 732. composition and digestibility, (36) 469.	plants— check list, (38) 637.
composition at different stages, (39) 836.	culture experiments, (29) 538; (31) 733.
culture experiments, (28) 532; (29) 631; (33) 33; (40) 136.	culture in Australia, (40) 524. culture in German colonies, (34) 227.
for irrigated pastures, (40) 432.	fertilizer experiments, (31) 733.
for muskeg lands, (37) 229. on bog and moss soils, (40) 212.	for Rhodesia, (40) 333. improvement, (28) 736.
pollination experiments, (37) 735.	in Philippines, (30) 336.
variety, new. (39) 633.	Indian, studies, (27) 431. kapok-like, (38) 529.
variety, new, (39) 633. variety tests, (40) 232. yields, (37) 227; (39) 336.	notes, (39) 442, 837.
yields, (37) 227; (39) 336. red. culture experiments. (28) 431; (36) 32.	of Cape Province, (40) 527. Dutch East Indies, (40) 435.
red, culture experiments, (28) 431; (36) 32. root systems of, (35) 639.	Philippines, (31) 332; (32) 37; (33) 433; (39) 231, 739.
seeding on ranges, (30) 35. tall, culture under irrigation, (33) 228. tall, digestibility, (32) 168.	(39) 231, 739. South Africa, (40) 238.
tall, digestibility, (32) 168.	treatise, (30) 436.
Wakeman, culture in New Zealand, (29) 428. Festuca—	varieties, (31) 733. testing machines, value for wool, (26) 769.
ash constituents of, (30) 334.	zibethicus, parasites of, (33) 863. Fibers—see also Hemp, Henequen, stc.
duriuscula, seeding on ranges, (30) 35. elatior, drought resisting qualities, (28) 533.	check list. (38) 637.
pratensis, germination experiments, (31) 227.	check list, (38) 637. commercial valuation, (34) 227.
rubra, composition and digestibility, (36) 469.	from various sources, (31) 526; (39) 442.

Fibers—Continued.	Field crops—Continued.
manila, distinguishing in rope, (39) 15.	improvement, (26) 434.
of Belgian Kongo, (37) 534.	in Canada in 1916, (40) 792.
of Dutch East Indies, (34) 227.	Indian names, (37) 436.
Philippine, grading and handling, (32) 828; (36) 634, 635.	insects affecting, (27) 53, 356, 352, 644, 755; (28)
(30) 03±, 030.	insects affecting, (27) 53, 356, 552, 644, 755; (28) 238, 450; (29) 252, 852; (31) 648, 848; (32) 448; (33) 153, 555, 746; (36) 457; (37) 459; (38) 459, 556.
production and utilization, (40) 333.	(35) 135, 333, (40) (30) 437, (31) 438, (35) 438, 336.
production in Philippines, (36) 635. textile plant, strength of, (20) 312.	inspection, (40) 299. instruction in, (28) 537.
textile, use in chemical analysis, (38) 9.	irrigation experiments, (33) 683.
tropical, paper-making value, (34) 227.	laboratory exercises, (27) 394.
Fibrin—	laboratory materials for, (26) 297; (35) 93.
from different animals, analyses, (38) 110.	management in southwest Missouri, (33) 33.
hydrolysis of, (26) 22. hydrolyzed with feiric chlorid, nitrogen distri-	manual, (28) 493; (40) 622.
hydrolyzed with ferric chlorid, nitrogen distri-	manurial requirements, (38) 432.
bution, (39) 201. nitrogen distribution in, (38) 310.	marketing, (29) 595.
nitrogen distribution in, (38) 310.	native, culture in Madras, (38) 230.
nutritive value, (40) 463.	nomenclature, (39) 833.
röle in glycogen formation, (31) 763.	of Agra and Oudh, (31) 235.
studies, (33) 201.	of India, geographical distribution, (33) 526.
swelling in polybasic acids and their salts, (38)	pedigreed—
502. Fibringson determination (20) 408	in Michigan, (40) 233.
Fibringen, determination, (29) 408.	in Wisconsin, (40) 624.
Fibrolysin, nature and use, (26) 580. Fibrosis, relation to tuberculosis, (26) 179.	seed, value, (40) 228.
Ficaria, relative number of stamens and pistils,	phenological data, (33) 825.
(39) 330.	plat experimentation, (26) 434.
Ficus—	pollination, (36) 527.
carica, insects affecting, (30) 454.	potash hunger, (37) 800. prices of in 1912, (29) 190.
carica, proteolytic enzyms in latex, (31) 409.	production in Argentina, (27) 193.
coronata, latex of, (31) 13.	production in United States, (26) 190.
elastica—	relation between size of seed and yield, (26) 434.
borer pests of, (33) 657.	relation to climate, (28) 27.
latex, coagulation, (26) 50.	review of German literature, (37) 142.
new beetle affecting, (26) 151. laurifolia latex as a vermifuge, (38) 884.	root systems of, (26) 129.
laurifolia latex as a vermifuge, (38) 884.	school lessons on, (32) 597; (35) 592.
Mexican and Central American species, (37)	seeding, (35) 740.
244.	seeding card, (39) 834.
nota, caprification in, (30) 55. truck rot, notes, (37) 246.	slugs affecting, (26) 658. southern, course of study, (40) 492.
Fide ritiside ass Grane root warm	southern, course of study, (40) 492.
Fidia viticida, see Grape root worm. Fidiobia rugosifrons n. sp., description, (36) 556.	statistics in British Empire, (28) 295.
Field crop—	statistics in United States, (28) 389.
competitions for boys and girls, (34) 493.	textbook, (31) 791; (35) 593.
competitions in Canada, (33) 697.	value of line selection, (40) 623.
diseases—	varietal nomenclature, (37) 437.
descriptions, (30) 351.	varieties, (26) 830; (27) 638. water requirements, (29) 825; (34) 228; (38) 227,
notes, (27) 644; (28) 238, 450, 645; (31) 343,	228.
746.	water requirements in India, (27) 429.
prevalence in Texas, (26) 645.	Work-
treatment, (27) 452; (32) 545.	
Field crops—see also Crops, Forage crops, and	at Rothamsted, (40) 823. cooperative, in Ontario, (40) 624.
specific crops	in Antigua, (40) 522.
as affected by radioactive earth, (33) 123	Australia. (40) 230, 524, 825.
as affected by windbreaks, (30) 134.	Australia, (40) 230, 524, 825. Barbados, (40) 434.
at Belle Fourche Experiment Farm, (33) 829.	British Guiana, (40) 242.
at San Antonio Experiment Farm, (33) 830. at Truckee-Carson reclamation project, (33) 728.	Burma, (40) 523.
classification of varieties, (27) 31.	Canada, (40) 228. Fiji, (40) 231.
comparative yielding canacities, (40) 694	Fiji, (40) 231.
cooperative experiments, (27) 430.	Hawaii, (40) 823.
cost of production, (27) 390; (29) 690; (30) 333;	India, (40) 230, 332, 523, 625, 825.
(32) 527; (33) 292; (34) 137; (35) 691; (36) 441;	Montserrat, (40) 228. Nigeria, (40) 230.
(37) 190; (38) 634.	Nigeria, (40) 230.
cooperative experiments, (27) 430. cost of production, (27) 390; (29) 690; (30) 333; (32) 527; (33) 292; (34) 137; (35) 691; (36) 441; (37) 190; (38) 634. critical periods of, (35) 114.	Northumberland, (40) 624.
caitage, (21) 450.	Philippines, (40) 228.
culture-	Rhodesia, (40) 230. Union of South Africa, (40) 524.
continuous, (31) 226.	
experiments, (26) 534, 830; (27) 638; (32) 35; (33) 226, 728. in Dutch East Indies, (37) 134.	Field—
(33) 220, 123. in Dutch Fact Indian (27) 124	, experimental methods, standardization, (28)
	537. experiments—
Granda (30) 738	accuracy in, (28) 198; (34) 827.
India. (39) 229, 230, 738	correcting for soil differences, (34) 829.
Grenada, (39) 738. Grenada, (39) 738. India, (39) 229, 230, 738. Netberlands, (31) 596.	correlation coefficient between neighboring
New right ustiffe, (33) 791.	plats. (33) 728.
Ontario, (39) 738.	error in, (26) 732; (28) 827; (29) 233; (30) 32.33;
Russia, (35) 636.	plats, (33) 728. error in, (26) 732; (28) 827; (29) 233; (30) 32, 33; 134, 621; (31) 226; (32) 121; (37) 528, 634,
Ontario, (39) 738. Russia, (35) 636. treatise, (35) 30.	(38) 743.
destruction by crawfish, (27) 550. drought resistance of, (28) 633.	/ interpretation, (26) 434, 732; (30) 621; (31
grought resistance of, (28) 633.	327.
dynamiting experiments, (35) 30.	methods, (32) 333; (36) 527.
enemies, (27) 756.	plant growth studies in, (31) 704.
fertilizer experiments, (26) 817, 830; (27) 334, 638; (28) 532.	, size and number of plats in, (29) 734.
for late planting, (37) 436.	soil homogeneity in, (33) 727. standardization, (39) 828; (40) 823.
for the cotton belt, textbook, (36) 897.	technique, (38) 429.
foreign, notes, (20) 689; (27) 194, 796, 797, 895.	theory of probabilities in, (31) 44, 220.
fungus diseases of, (26) 341.	use of parallel plats in, (34) 634.
home projects in, (40) 296.	v. farm practice studies, (30) 32.

Field—Continued.	Filter—Continued.
experiments—continued.	paper pulp-continued.
v. laboratory experiments in soil bacteriol- ogy, (36) 213.	notes, (38) 506. use in quantitative analysis, (35) 204.
laboratories, small, for research work, (33) 793	paper, reducing matter in, (37) 409.
management and crop rotation, textbook, (33) 429.	rapid, for turbid liquids, (35) 612.
thistle, geographical distribution, (26) 335.	sands, incrustation on, (29) 617. Filtering—
work records, keeping, (30) 897.	rack for sugar solutions, (39) 505.
Fig—Botrytis disease, notes, (37) 457.	tube, description, (38) 411. Filters—
black smut, notes, (40) 52.	deep percolating, efficiency, (34) 888.
Blastophaga in California, (40) 264. borer, notes, (40) 853.	household and faucet, notes, (30) 620.
canker, notes, (38) 454.	household, notes, (29) 815. mechanical, tests, (34) 483.
dieback, notes, (38) 454. diseases, descriptions, (39) 757.	permeability by microorganisms. (28) 677.
insects, synoptic lists and descriptions, (30) 55.	Filtration— apparatus, description, (35) 204.
leaf blight, cause, (38) 252.	apparatus, description and uses, (39) 804.
lear blight, studies, (37) 652.	effect on diastatic activity, (29) 505.
moth, notes, (37) 156. moth, studies, (26) 248, 249.	funnel, description, (40) 409. Finance, cooperative, treatise, (28) 790.
must, termentation, (37) 314.	Finches of Sudan, (26) 855.
preparations, analyses, (35) 558. rust, notes, (37) 453.	Finger-and-toe disease, treatment, (26) 747; (31) 218, 842.
scale, Miediterranean, in California, (37) 563.	Finger grass—
stem-boring beetle, notes, (27) 54. tree borer, three-lined, studies, (38) 363.	eradication, (27) 733.
Figites popenoei n.sp., description, (33) 360.	notes, (26) 361. Fingerhuthia africana, analyses and digestibility,
Figs—see also Caprifigs.	(27) 871; (32) 167.
abnormal roots of, (29) 849. analyses, (26) 68.	Finnish Moor Culture Society, report, (29) 516.
breeding experiments, (29) 338.	Fiorin, identity and agricultural characteristics, (39) 532.
caprification, (27) 744. cold storage of, (32) 439.	Fiorinia—
crown gall affecting, (28) 447.	fioriniae, notes, (28) 854. spp., notes, (28) 754.
culture, (40) 149, 838.	spp., notes, (28) 754. Fique as a fiber plant, (37) 233.
culture— experiments, (28) 236; (29) 338; (34) 231.	Fir—
experiments, (28) 236; (29) 338; (34) 231. in Arizona, (32) 232; (36) 341.	alpine, and Engelmann spruce, management,
California, (36) 742. Florida, (38) 845.	(33) 739. aphid, silver, notes, (26) 147.
Mexico, (30) 144. southern Texas, (32) 539.	balsam—
Southern Texas, (32) 539. Texas, (37) 835.	clearing out, (40) 842. factors influencing reproduction, (38) 45.
dried, analyses, (30) 861.	of Rocky Mountains, (34) 742.
dried, preparation and use, (29) 462. drying, (27) 146; (37) 114.	reproduction by layering, (28) 344. spruce budworm on, (39) 866.
edible, from wild seed, (39) 527, 544.	studies, (30) 843.
freeze injury, notes, (39) 843.	beetle, Douglas, notes, (26) 561.
fungus disease of, (26) 449. host plant of fruit fly, (26) 758.	bud moth, notes, (35) 258. cones, insects affecting, (31) 849.
host plant of purple scale, (26) 756. insects affecting, (26) 147; (30) 454; (33) 747. Smyrna, culture in California, (27) 744; (34) 534.	cross-arms, tests, (27) 443.
Insects affecting, (26) 147; (30) 454; (33) 747.	Douglas— ash analyses, (35) 327.
sycamore, in Egypt, (36) 445.	hreakage, defect, and waste, (37) 651.
varieties, (32) 232; (38) 41. Filaria—	bridge stringers, tests, (35) 584. cost of growing, (26) 49. creosoting, (37) 586. density and porosity, (32) 47.
bancrofti in District of Columbia, (36) 657.	creosoting, (37) 386.
immitis, growth of embryos in vitro, (31) 281.	density and porosity, (32) 47.
immitis of dogs, notes, (27) 86. in blood of horses, description, (26) 287.	determination of site qualities, (31) 557. development on burned areas, (33) 739.
in norses, transmission by stable lifes, (34) 339.	fiber dimension studies, (35) 734.
in Philippines, (34) 879. labiato-papillosa in Philippines, (37) 277.	fiber measurements, (36) 345.
stomozeos, notes, (29) 83. transmission by Chrysops, (36) 86.	fire-killed, utilization, (28) 49, 57. for shipbuilding, (37) 452.
transmission by Chrysops, (36) 56.	grading, (35) 188. growth data, (34) 440. habitat extension, (29) 545.
Filariasis— etiology, (39) 477.	habitat extension, (29) 545.
etiology, (39) 477. in America, (38) 580.	liming experiments, (33) 739. needle blight of, (37) 658.
horses, (33) 285; (35) 362. horses, camels, and hares, (30) 679.	oil composition and properties, (27) 115.
horses, treatment, (37) 692.	oil of, (31) 201; (37) 411.
Hungarian horses, (39) 190. Filbert—	parch blight or scorching of, (36) 547. plantation, girth increment in, (32) 237.
bacterial disease, notes, (34) 351.	plantation in Gioucestershire, (30) 744.
bud mite, notes, (32) 651.	plantation in Perthshire, (29) 644. plantation in North Wales, (30) 46, 446.
disease in Oregon, (32) 647. leaves, symbiosis with fungi, (37) 327.	productive capacity, (36) 243.
Filberts—	productive capacity, (36) 243. reforestation, (29) 545. resins of, (30) 10.
culture experiments, (37) 243. culture in Pacific Northwest, (37) 545.	I REED TOTO DITTETELL SOLITORS, LESIS, (20) 050a
Filter—	seed spotting under aspen, (29) 544. seeds of, (33) 739; (38) 45, 347. strength tests, (35) 241.
Ames, description, (27) 805. Berkefeld improved, description, (30) 489.	seeds 01, (36) 759; (38) 45, 547. strength tests, (35) 241.
Berkefeld, usefulness, (34) 390.	thinning experiemnts, (32) 47.
flask, description, (37) 711.	thinning experiennts, (32) 47. tolerance for lime, (36) 447. unit stresses for, (36) 91.
paper pulp— description, (35) 314.	Volume tables for, (34) 041.
for separation of solids from liquids, (36) 111.	dry rot, studies, (31) 547.

```
sh—Continued.
composition and food value, (29) 765.
conservation by freezing, (36) 509.
culture in rice fields, (30) 675.
culture, notes, (28) 28.
cured and salted, in United States, (38) 866.
cured, as human food, (35) 859.
curing, (33) 660.
destruction of mosquitoes by, (27) 656; (38) 260.
destruction of mosquitoes by, (27) 656; (38) 260.
destrius as feeding stuff, (36) 273.
diet, effect on intestinal flora, (40) 867.
digestibility, (39) 286.
diseases, notes, (28) 279.
distribution to Minnesota farmers, (38) 155.
dried, fertilizing value, (31) 124.
dried, pest in Hawaii, (40) 266.
edible, of Chile, (32) 161.
effect of withholding savage on, (27) 512.
fat content in relation to habitat, (31) 459.
fat, digestibility, (36) 860.
feeds and fertilizers, analyses, (32) 219.
fertilizer and oil, production in Alaska, (31) 727.
fertilizer, tests, (37) 321.
fertilizers.
 Fir—Continued.
grand, Echinodontium-infected, thinning, (40)
                                                                                                                                                                                                                                                                                                                                                                                             Fish-Continued.
                        grand, Echinodontium-iniected, timining, (20) 842.
insects affecting, (31) 155; (36) 853.
insects affecting in Sweden, (36) 853.
long-seasoned Douglas, strength tests, (29) 442.
management in the Vosges, (39) 246.
pitch moth, studies, (33) 454.
red, leaf and twig oils of, (33) 409.
seedlings, absorption of fertilizers by, (26) 443.
stands, effect on soil physics, (26) 140.
thinning experiments, (36) 345; (37) 147.
timber estimating tables for, (36) 345.
timber nailed joints, tests, (38) 892.
trees of North America, characteristics, (32) 748.
trees yield graphs, (39) 352.
trunk bark louse, European, notes, (35) 256.
weste, destructive distillation, (34) 153.
waste, use in tannin-extract industry, (34) 508.
white, oils of, (33) 203.
white, pathology of, (35) 43.
witches' brooms affecting, (28) 350.
withertip—
description (35) 850.
witches' brooms affecting, (28) 350.
withertip—
description, (35) 850.
in Sweden, (32) 844.
studies, (30) 453.
wood, production of turpentine from, (26) 413.
Fire blight—
(30) 447.
                                                                                                                                                                                                                                                                                                                                                                                                                    fertilizers—s. (28) 722; (39) 222.
availability of nitrogen in, (28) 724.
composition, (34) 28.
composition and use, (27) 727.
fertilizing value, (28) 724; (39) 222, 270, 328.
food, composition, (37) 63.
food value and use, (22) 662.
freezing and storing, (39) 165.
fresh-water, food value, (40) 555.
fresh-water, respiratory exchange, (32) 565.
gelatin, composition, (40) 171.
ground, availability of nitrogen in, (26) 124; (27) 723.
                                                                                                                                                                                                                                                                                                                                                                                                                       fertilizers-
                              description, (33) 447.
description and treatment, (29) 348, 551.
dissemination by insects, (33) 744; (36) 351; (38)
                            558. dissemination by tarnished plant bug, (30) 650. in Wyoming, (34) 747. insect carriers, (39) 251. notes, (33) 98; (37) 554, 652. organism, longevity, (36) 50. studies, (35) 848; (35) 50, 250; (38) 353; (40) 746. transmission by aphids, (37) 151, 157. transmission by bees, (36) 59; (37) 53; (38) 164. treatment, (36) 347; (37) 195.
                                                                                                                                                                                                                                                                                                                                                                                                                         guano
                                                                                                                                                                                                                                                                                                                                                                                                                     guano—
analyses, (28) 523.
digestibility, (31) 766.
fertilizing value, (34) 219.
for arid soils, (36) 726.
importance as food, (32) 251.
industry in United States, (26) 155.
killed by cold wave in Florida, (37) 513.
law in New York, (28) 248.
                              control, county organization for, (39) 594.
extinguishing instruction in agricultural schools,
(31) 394.
                               insurance
   insurance—
farmers' mutual, (37) 391, 594; (40) 593.
in Denmark, (27) 794.
mutual, in Illinois, (36) 791.
mutual, in Nebraska, (26) 594.
pervention and fire fighting on the farm, (38) 492.
protection for grain fields, (39) 393.
retardents, tests, (36) 687.
Fireless cookers, see Cookers, fireless.
Fires—
                                                                                                                                                                                                                                                                                                                                                                                                                    laws—
handbook, (32) 150.
in New Jersey, (27) 856.
Pennsylvania, (27) 355; (34) 650.
United States and Canada, handbook, (30) 153.
Washington, (27) 254.
West Virginia, (28) 854
liver oil for pigs, (28) 171.
loss of weight during cooking, (26) 463.
losses in marketing and cooking, (28) 165.
louse, notes, (38) 661.
manure, export from India, (33) 327.
marketing in California, (39) 90.
   due to spontaneous combustion, (37) 788.
extinguishing with sawdust, (28) 788.
forest, see Forest fires.
Firewood—see also Wood, fuel.
machinery for cutting, (40) 588.
use on farms, (37) 92.
                                                                                                                                                                                                                                                                                                                                                                                                                    marketing in California, (39) 90.

meal—
acidity, (35) 770.
adulteration, detection, (34) 467.
analyses, (26) 267, 363, 770; (27) 570, 872;
(28) 666; (29) 367; (30) 67; (31) 467, 864;
(32) 259; (33) 170, 870; (34) 263, 467; (35)
128, 769; (36) 667, 765.
as feeding stuff, (29) 270; (31) 366, 563; (33)
169; (35) 769.
bacilli from, (33) 281.
composition, (31) 563, 864.
digestibility, (31) 766.
for cows, (38) 671.
for pigs, (33) 571; (35) 272; (36) 571; (38) 472.
palatability and nutritive value, (38) 66.
pathogenic bacterium in, (32) 178.
milt and roe, analyses, (31) 656.
milt as human food, (30) 61.
muscle, composition, (40) 171.
new distomes from, (33) 773.
nomenclature, (40) 160.
nutritive value, (26) 259; (40) 66.
oil, analyses, (28) 493.
oil for calves, (30) 671.
oil, hydrogenized, use in oleomargarin, (33) 368.
oil, menhaden, detection, (28) 412.
oil soap sprays, watting power and efficiency, (36) 455.
       Fireworm
                               black-head, see Eudemis vacciniana.
yellow-head, see Peronea minuta.
                            h—services, (29) 626; (31) 624; (35) 557.
and game laws of Massachusetts, (26) 59.
and game laws of Michigan, (26) 59.
artificial digestive experiments, (28) 66.
as affected by—
fertilizers, (29) 821.
polarized light, (31) 759.
water pollution, (29) 815; (30) 319.
as cattle food, (32) 862.
food, chemical study, (30) 366.
food resource, (38) 165.
source of oil and manure, (32) 219.
blanching for canning, (33) 66.
canned—
                                                            and cured, industry in United States, (31)
                              67.
inspection, (27) 565.
spoiling, (28) 68.
canning, (39) 317.
canning industry, (40) 864.
canning, salting, and smoking, (37) 716.
changes in during cold stosage, (27) 460.
cold storage of, (31) 64, 459, 659.
commercial stocks, 1918, (39) 570.
composition, (26) 463.
```

Fish—Continued.	Planaring Continued
oils, determination of hexabromid value, (40)	Flavoring—Continued. extracts—
205.	analyses, (35) 558.
oils, production in United States, (40) 614.	determination of essential oil in, (39) 505. examination, (36) 362.
packing for transport, (27) 461. phosphorus content, (27) 461.	treatise, (28) 863.
poison, action of digestive ferments on, (34) 459. poisoning in Virgin Islands, (40) 863.	Flax—analyses, (28) 477.
poisoning, studies, (34) 459.	and hemp fiber, microscopic differences, (26)
ponds, fertilizer experiments, (29) 731; (31) 29; (32) 217.	828.
ponds, management, (27) 374.	anthracnose, studies, (37) 47. as affected by lithium salts, (28) 526.
ponds, notes, (34) 569.	as nurse crop for alfalfa, (32) 430.
preservation, (29) 566, 659; (30) 861. preservation in the Tropics, (32) 63.	binder twine from, (27) 534. blight, notes, (37) 248.
preserved, of ancient Egyptians, (30) 559.	bran, analyses, (28) 464.
preserving for domestic use, (38) 468. production and protection in United States, (38)	breeding experiments, (29) 634; (30) 637; (35) 339,
663.	819. by-products, analyses, (29) 270.
products in United States, (35) 366.	by-products, digestibility, (29) 367.
purchasing and use, (38) 867. putrefaction of, (34) 163.	chaff, analyses, (38) 666. cost of production, (32) 594, 688; (35) 691.
rare, sold for food in east London, (30) 163.	critical period of growing season, (39) 811.
recipes, (38) 165, 468. refrigeration, (28) 563.	cross-breeding experiments, (34) 629; (36) 434.
respiratory exchange in. (33) 664.	culture, (26) 536; (30) 399; (31) 524; (33) 232, 632, 636; (39) 837; (40) 827.
roe as human food, (30) 61.	culture—
salt, recipes, (37) 670. sausage, notes, (31) 460, 759.	and handling, (36) 230. and harvesting, (32) 135; (36) 735.
scrap, analyses, (29) 318; (31) 663; (32) 169; (33) 71, 371; (34) 169; (35) 374, 867; (36) 65, 167, 268, 667; (37) 767; (38) 67; (39) 270; (40)	and improvement, (28) 442.
(33) 71, 371; (34) 109; (35) 374, 867; (36) 65, 167, 268, 667; (37) 767; (38) 67; (39) 270; (40)	experiments, (26) 38, 129, 233, 630; (27) 336, 638: (28) 633: (29) 427 431 630: (29) 132
571, 665.	430, 529, 530; (33) 31, 633, 830; (34) 137, 228,
scrap fertilizer industry—	229; (35) 827; (36) 32, 33, 132, 335; (37) 227,
in United States, (28) 625. of Atlantic coast, (30) 326.	635; (28) 633; (29) 637, 431, 630; (27) 536, 638; (28) 633; (29) 132, 430, 659, 530; (33) 31, 638, 830; (34) 137, 228, 229; (35) 827; (36) 32, 33, 132, 335; (37) 227, 228, 637, 734; (38) 132, 634, 825; (39) 227, 229, 434, 435, 632, 735, 634, 835; (40) 332, 438, 735.
of Pacine coast, (32) 519.	for seed in Argentina, (34) 434.
scrap— fertilizing value, (30) 835; (32) 219; (34) 28;	for seed in Argentina, (34) 434. in ancient Egypt, (37) 537. Argentina, (35) 136. Australia, (32) 399. Eritich Egypt, (37) 25
fertilizing value, (30) 835; (32) 219; (34) 28; (38) 517; (40) 724.	Australia, (32) 399.
ground, analyses, (26) 362. methods of analysis, (29) 318.	Dillion East Africa, (54) 55.
preparation and analyses, (32) 519. production and use, (33) 218, 219.	Hawaii, (32) 729. India, (28) 736. Ireland, (40) 827.
production and use, (33) 218, 219.	Ireland, (40) 827. Montene (28) 42
sea, feeding value, (27) 378. selection, (36) 762. shipping long distances, (35) 162. storage, (39) 165, 770.	Montana, (28) 42. North Africa, (39) 837.
shipping long distances, (35) 162.	North Dakota, (40) 736.
supplementing meat supply with, (31) 356.	northern Wisconsin, (28) 828. Oregon, (37) 233.
supplementing meat supply with, (31) 356. use in French army, (28) 659, 660. waste, analyses, (34) 28.	Oregon, (37) 233. Rhodesia, (27) 32, 637. South Delega, (78) 625
waste, analyses and feeding value, (39) 70.	courthorn Idoba (26) 997
waste, fertilizing value, (39) 429. water content as affected by cooking, (26) 462.	Outself (18ain), (60) 227. Utsh, (38) 230. Wyoming, (38) 33. on moorland, (30) 229. on new lands, (29) 634. treatise, (33) 138, 731. under dry farming, (26) 828; (28) 532; (30) 435; (36) 828, 529; (39) 131. Under brigston, (44) 528.
	w yoming, (36) 33. on moorland, (30) 229.
Fisheries— industry in Alaska, (31) 727.	on new lands, (29) 634.
State administration and control, (40) 688.	treatise, (33) 133, 731.
statistics in Alaska, (36) 862. Fishery—	435; (36) 528, 529; (39) 131.
problems, research on (40) 450	under irrigation, (34) 528. diseases—
products, preservation in the Tropics, (32) 63.	notes. (30) 648.
Fishing, review of literature, (27) 845; (30) 238; (33) 49.	studies, (28) 442; (35) 48. treatment, (32) 545.
Fistula of withers, handbook, (39) 190.	effect on soil fertility, (37) 229.
Fistulous withers, treatment, (26) 277; (30) 185; (31) 484; (36) 675.	effect on succeeding crops, (32) 224.
Flacherie-	enzyms, effect on glucosids, (28) 503. fall irrigation, (37) 822.
destruction, (27) 559.	false chinch bug on, (39) 760.
infection experiments, (27) 559.	feeding value, (36) 735. fertility constituents in, (30) 338.
Flagellates— from ulcers in a buffalo, (26) 784.	fertilizer experiments. (26) 233, 424; (27) 32, 435;
in soils, (35) 121. notes, (26) 246.	(29) 318, 625; (30) 636; (31) 133, 230, 332; (32) 136, 630; (34) 330; (38) 33, 634; (40) 735.
notes, (20) 240. parasitic in dog flea. (33) 862.	n nar
parasitic in dog flea, (33) 862. Flame tree, crown gall affecting, (28) 447.	manufacture, (37) 233. preparation, (33) 232. stryles (28) 446
Flask for determination of water in flour and meal, (30) 506.	secures, (60) 0x0.
Flask-shaking machine, description, (36) 413.	water absorption capacity, (37) 736.
Flasks, suction, check valve for, (34) 608.	Fusarium resistance, (40) 745. golden, analyses, (33) 759.
Flat peas for pigs, (28) 364. Flatfish that have died in water, detection, (31) 356.	green manuring experiments, (37) 734.
Flavin—see also Proflavin.	growing in Egypt, (40) 438. growth in acetylene gas, (27) 827.
antiseptic value, (39) 387; (40) 182. compounds, antiseptic value, (39) 680.	grub of New Zealand, (40) 265.
Flavone derivatives in plants, (36) 329; (37) 430.	hybrids, correlation studies. (29) 424; (30) 730.
Flavones of Rhus, (39) 431.	hybrids, Mendelian segregation in, (32) 521.
Flavoring— compounds, treatise, (33) 164-	grub of New Zealand, (40) 255. grubs of New Zealand, (40) 255. grubs of New Zealand, parasites, (39) 159. hybrids, correlation studies, (39) 424; (30) 730. hybrids, Mendalian segregation in, (32) 521. improvement in Russia, (29) 334. industry in Africa, (39) 224, 837.

```
Flaxseed—Continued.
water-soluble carbohydrates in, (32) 802.
yield as affected by depth of plowing, (30) 232.
Flax-Continued.
                      industry in Sweden, (40) 827
                    inheritance of wilt resistance in, (36) 845. irrigation, (31) 828.
                                                                                                                                                                                                                                                                                                            Flea beetle-
                                                                                                                                                                                                                                                                                                                              as beetle—
banded, (35) 54.
bronze, notes, (32) 556.
destruction by white fungus, (26) 454.
green, notes, (33) 746.
notes, (32) 550.
remedies, (33) 168.
wavy striped, notes, (32) 556.
yellow-necked, notes, (29) 456.
p beetle—
beet
                  irrigation experiments, (28) 827, (29) 32; (32) 430; (33) 430, 884; (39) 434. leaves, free hydrocyanic acid in, (27) 635. liming experiments, (38) 31. materials, composition and feeding value, (30) 270
                  370.
meal, analyses, (29) 367; (32) 465; (36) 65.
New Zealand, culture experiments, (30) 632.
of East Africa Protectorate, (3.2) 229.
on peat soils, fortilizer experiments, (39) 428.
pests and diseases in New Zealand, (38) 257.
planting and harvesting dates, (26) 532, 533.
pollination, (36) 527.
potash fertilizers for, (26) 526.
preparation, (40) 827.
production in Argentina, (27) 198.
rate of sowing tests, (27) 435.
retting—
                              370.
                                                                                                                                                                                                                                                                                                            Flea beetles-
                                                                                                                                                                                                                                                                                                                                 as garden pests, (39) 767.
                                                                                                                                                                                                                                                                                                           retting—
experiments, (30) 37.
Fribes' method, (30) 637.
review of literature, (38) 715.
                                                                                                                                                                                                                                                                                                            Flea larvae, morphology, (32) 452.
Flea-seed in South Australia, (37) 542.
                   studies, (30) 509.
root development with other crops, (26) 129.
root system, (31) 515; (36) 135, 223; (39) 230.
rotation experiments, (33) 429; (36) 736; (38) 129; (40) 331.
                                                                                                                                                                                                                                                                                                             Fleas
                                                                                                                                                                                                                                                                                                                                as—and their control, (38) 363.
bionomics of, (29) 786; (31) 353.
destruction with cyanid gas, (36) 456.
handbook and bibliography, (30) 554.
injurious to domestic animals, (26) 349.
injurious to man and domestic animals, (37) 784
new, of America, (36) 257.
notes, (33) 557; (34) 159.
of Peru, (27) 862.
                      screenings
                   screenings—
analyses, (27) 170; (33) 371.
ground, analyses, (29) 666.
toxicity toward cattle, (28) 477.
seeding experiments, (29) 224, 425; (36) 134; (38)
431; (39) 227, 228; (40) 433.
selection experiments, (33) 335.
shipments and prices in Minneapolis, (32) 894.
                                                                                                                                                                                                                                                                                                                                  on rats and other rodents in Upper Egypt, (33)
                shipments and prices in Minneapolis, (32) 894.
shives—
analyses, (35) 562; (37) 767; (38) 666.
composition and digestibility, (32) 666.
digestibility, (31) 766.
sowing on winterkilled wheat fields, (28) 829.
stem fiber and waste, determination, (32) 415.
straw, analyses, (28) 464.
straw, apper and fiber-board from, (34) 509.
succotash, analyses and feeding value, (34) 663.
toxicity, (30) 380.
varieties, (27) 32, 334, 736; (29) 222, 225, 425, 530, 630; (30) 434, 637, 731; (31) 133, 733, 329; (32) 334, 431, 527, 528, 630; (33) 34, 633; (34) 630; (35) 31, 526, 829; (36) 32, 33, 34, 132, 133, 437, 530, 635, 736; (38) 31, 230, 431, 634, 337, varieties for Montana dry lands, (35) 735.
variety and geographical source, effect on oil product, (38) 208.
variety tests, (39) 227, 228, 334, 336, 434, 436, 437, 735, 835; (40) 332, 730, 732, 735.
variety requirements, (32) 137.
water requirements, (32) 137.
water requirements in India, (27) 429.
wilt—
investigations, (38) 449
                                                                                                                                                                                                                                                                                                                                              749.
                                                                                                                                                                                                                                                                                                                                 rat, see Rat fleas.
                    shives-
                                                                                                                                                                                                                                                                                                                                relation to—
leishmaniasis, (28) 185; (36) 654.
plague, (33) 749.
plague-like disease of rodents, (34) 355.
remedies, (31) 58, 351, 353.
studies, (33) 563.
survival of bacteria in, (31) 353.
                                                                                                                                                                                                                                                                                                                                  transmission of—
leprosy by, (26) 758.
plague by, (27) 59, 754.
plague-like disease by, (26) 461.
                                                                                                                                                                                                                                                                                                             Flesh-
                                                                                                                                                                                                                                                                                                            fly, Georgian, notes, (30) 656.
meal, ammonification and nitrification under
laboratory conditions, (30) 218.
Flexor pedis perforans tendon, resection, (27) 576.
                                                                                                                                                                                                                                                                                                                                 and disease in the British army, (30) 254.
as carriers of infection, (28) 356; (34) 254.
as carriers of Lamblia spores, (30) 254.
                                                                                                                                                                                                                                                                                                                                    baits for, (33) 357.
                                                                                                                                                                                                                                                                                                                                  biting
                                                                                                                                                                                                                                                                                                                                  biting—
in the Punjab, (32) 184.
relation to swamp fever, (32) 754.
relation to trypanosomiasis, (37) 879.
relation to verruga, (32) 248.
black—see also Simulidae and Simulium spp.
                      wilt-
                    investigations, (38) 449.
relation to temperature, (39) 249.
studies, (36) 748.
yields, (30) 134.
                                                                                                                                                                                                                                                                                                                                Discr—see also Simulitide and Simulitum spp.
American, Synopsis, (31) 254.
lesions produced by, (33) 156.
relation to pollagra, (28) 858.
blood-sucking—
notes, (27) 53; (39) 661.
parasitic flagellates of, (26) 84.
relation to diseases, (29) 760.
blue bottle, distance of flight over water, (30) 159.
 Flaxseed-
                   exsed—
nod legume combinations, preparation, (38) 365.
as affected by freezing, (36) 136.
bushel weights, (37) 880
cake meal, analyses, (28) 464.
cleaning, (40) 40.
culture and analyses, (30) 637.
damaged, examination, (31) 658.
formation of hydrocyanic acid in, (27) 132.
germination as affected by green manures, (38)
331.
                                                                                                                                                                                                                                                                                                                                 chaetotaxy and pilotaxy of, (35) 660.
color preference of, (30) 757.
conservation of pathogenic bacteria by, (30)
                331. ground, analyses, (27) 774. ground, for pigs, (37) 268. hydrocyanic acid in, (35) 167. meal, analyses, (29) 467, 769; (36) 765. oil, chemistry of, (36) 206. oil feed, analyses, (39) 167. press cake, analyses, (40) 72. production, (26) 595, 792; (36) 736. protein, nutritive value, (39) 666. screenings, analyses, (27) 774; (28) 464. screenings, poisoning of live stock by, (26) 86. selection, (30) 687. treatment, (39) 238; (40) 443.
                                                                                                                                                                                                                                                                                                                                            552.
                                                                                                                                                                                                                                                                                                                                  control-
                                                                                                                                                                                                                                                                                                                                control—
in Egyptian campaign, (39) 563.
in military camps, (38) 60, 282.
in New Jersey, (32) 551.
on college farm, (34) 160.
paper on, (39) 157.
coprophagous, biology, (29) 760.
destruction, (34) 356.
destruction by bacterial cultures, (34) 254.
dissamination of—
                                                                                                                                                                                                                                                                                                                                  dissemination of
                                                                                                                                                                                                                                                                                                                                                       microorganisms by, (27) 58; (28) 756.
```

Flies—Continued.	Flood-Continued.
dissemination of—continued. parasitic worms by, (30) 658.	protection in Papago Indian Reservation, Arizona, (29) 889.
pear blight by, (33) 149. domestic, of New Jersey, (37) 665.	protection in Victoria, (30) 887.
domestic, of New Jersey, (37) 665.	Floods— and their prevention, (33) 885.
flesh, studies, (37) 665. flight range of, (30) 658, 756.	at Los Angeles, (32) 25.
frequenting privy vaults, (39) 766. green bottle, dissemination of anthrax by, (28)	extent and damage caused by, (35) 506.
678.	in Alabama, (29) 510. Cairo, Ill., district, (29) 510.
habits and parasites, (36) 256.	Cairo, Ill., district, (29) 510. California, (37) 486.
house, see House fly. hystriciine—	China, (35) 618. Colorado and New Mexico, (26) 614.
of Peru, (34) 65.	Colorado and New Mexico, (26) 614. Connecticut Valley and Vermont, (31) 214
with white maggots, (34) 65. infecting meat, studies, (39) 564.	Indiana, (35) 83. lower Mississippi, (35) 618. New England rivers, (32) 810.
injurious to man, (34) 251.	New England rivers, (32) 810.
larvae— and pupae in nest of gray-headed sparrow,	New York State, (31) 214. Ohio, (35) 83.
(32) 555.	Pascagoula and Pearl rivers, (29) 121.
destruction, (33) 455. destruction by ants, (28) 255.	Scioto Valley, Ohio, control, (36) 584. laws in Indiana, (35) 787.
destruction in horse manure, (31) 653; (36)	of March, 1913, recurrence, (31) 615.
156.	Nile, (34) 413. Ohio and lower Mississippi valleys in 1913,
relation to rables, (27) 560. larval, rôle in dissemination of ascarids, (30) 659.	(31) 214.
manure-breeding, control, (39) 467; (40) 356.	Ohio and Mississippi rivers, (30) 417. Ohio valley, (29) 121.
March, of Australia and Tasmania, (26) 456. morphological studies, (37) 358.	Rio Grande and Rio Pecos, (26) 27.
muscid, winter observations, (38) 262.	Sacramento and San Joaquin watersheds, (29) 415.
muscoid— new genera and species, (39) 467.	southern California, (38) 890.
notes, (29) 358; (34) 65; (36) 554.	spring of 1912, (27) 413. the Oder, (26) 317.
studies, (26) 860. nonlactose-fermenting bacilli in, (30) 757.	upper Missouri River, (26) 27.
of Yellowstone Valley, (33) 554. overwintering, (38) 766. by the first of South America (37)	papers on, (27) 816. relation to forests, (29) 642, 842; (31) 515; (32) 237.
overwintering, (38) 766. phorid, from west coast of South America, (37)	Studies, (30) 688.
357.	Floors, concrete, construction, (30) 487. Flora—see also Vegetation, Plants, etc.
relation to— bacillary enteritis, (38) 363.	fresh-water, notes, (28) 28.
disease, (33) 560.	of Colombia and Central America, (37) 819.
epidemic diarrhea, (28) 756. filariasis in horses, (35) 362.	Cuba, (33) 525. India, (33) 855. New Mexico, (33) 727. New York, (35) 146.
gastro-intestinal diseases, (36) 156.	New Mexico, (33) 727. New York, (35) 146.
mylasis in man and animals, (34) 359.	northern Sanara, (29) 620.
pellagra, (27) 156. poliomyelitis, (38) 262.	northwest coast of United States, treatise, (34) 336.
summer sores, (40) 586. Trypanosoma evansi, (27) 58.	Rocky Mountains and adjacent plains, (38)
typhoid fever, (28) 258. remedies, (29) 299; (30) 159; (31) 57, 58, 158, 351; (32) 753; (36) 853; (37) 53, 260, 464, 560, 665;	732. Salton region, (30) 223.
remedies, (29) 299; (30) 159; (31) 57, 58, 158, 561; (32) 753; (38) 853; (37) 53, 260, 464, 560, 665;	Salton Sink, (33) 525.
(38) 282.	Sitka, Alaska, (37) 526. southeastern Washington and adjacent
repellents, tests, (32) 59; (38) 679. sand, see Sand flies.	Idaho, (31) 731.
seasonal abundance in Montalia, (37) 704.	the Northwest, handbook, (30) 521; (32) 898. Vermont, (33) 330.
sense reactions, (40) 859. spallanzaniine, of Andes, (34) 65.	vicinity of New York, treatise, (33) 429.
structure of larvae, (26) 558.	Washington, D. C., and vicinity, (37) 435. Wyoming, (38) 255.
structure of larvae, (26) 555. studies, (35) 856; (38) 563. syrphus, parasitic on cabbage aphis, (26) 149. transmission of—	prairie, as affected by forestation, (33) 739. relation to surface and climate in California,
transmission of—	(32) 34.
anthrax by, (31) 776. diarrheal diseases by, (31) 654.	Floral— organs, cytological degeneration in epidermal
diarrheal diseases by, (31) 654. diseases by, (30) 658, 756; (31) 551; (36) 460. leprosy by, (26) 758; (31) 851.	cells, (39) 734.
traps for, (38) 60.	structures of Vitis, variation in, (26) 742. Floricultural—
traps for, (38) 60. treatise, (30) 552.	fairs and exhibitions in United States, (28) 796.
white, see White fly. wind-forced migration, (39) 861.	instruction in United States, (31) 897; (35) 591.
Flindersia australis, strength and elasticity tests,	Floriculture— courses in, (35) 499.
(27) 43. Floats, see Phosphate rock.	experiments, (39) 542. in vicinity of Dresden, (32) 232.
Flood—	manual, (34) 836.
at Boise, Idaho, (29) 812.	review of investigations, (36) 539. science in, (37) 240.
control for Pecatonica River, (37) 186. control in California, (35) 787; (36) 186.	textbook, (33) 899.
control in California, (35) 787; (36) 186. control, papers on, (36) 186. in Colorado River, (27) 616. Louisiana, (30) 417.	Florida— Everglades, drainage, (33) 585.
Louisiana, (30) 417.	National Forest, administration, (31) 744.
Louisiana, (30) 417. Michigan, (27) 616. Obto Volley in 613. (30) 18	red scale, notes, (28) 854; (35) 855; (34) 60.
Ohio Valley in 1913, (30) 18. Nile, of 1909, (26) 118.	financial statement, (27) 396; (29) 299, notes, (26) 395; (27) 696; (29) 396; (32) 797; notes, (26) 395; (27) 696; (29) 396; (32) 495
Nile, of 1909, (26) 118. Nile, of 1910, (28) 315. Nile, of 1911, (30) 511.	notes, (26) 395; (27) 696; (29) 396; (32) 797; (33) 399; (35) 397; (36) 98; (37) 196; (40) 495,
Nile, prediction, (28) 316.	600, 798.

```
Florida—Continued.
Station—Continued.
report, (27) 396; (29) 299; (31) 794; (33) 96; (35) 898; (37) 699; (39) 499.
University, notes, (27) 696; (29) 396; (33) 399; (35) 397; (36) 98; (40) 798.
Flour—see also Buckwheat, Rice, Wheat, etc.
absorption of moisture by, (37) 362.
acidity in, (26) 661, 866; (32) 855; (33) 64.
acidity in storage, (23) 498.
adapting ferments to, (28) 761.
addition of calcium chlorid to, (31) 860.
adulteration, (26) 710; (29) 61.
adulteration, detection, (28) 411.
amylolytic enzyms, activity, (30) 164.
analyses, (27) 461; (28) 262; 359, 660; (30) 235, 669; (31) 95; (32) 64; (33) 160, 161; (34) 164, 760; (35) 8.
analyses, interpretation, (37) 617.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Flour-Continued.
  Florida-Continued.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              factors affecting protein content, (33) 161.
feeding, analyses, (32) 465, 667; (34) 665; (36) 65,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        feeding, analyses, (32) 465, 667; (34) 665; (36) 65, 167.

fermentation losses in, (34) 660.
from different grains, compounding, (32) 559.

Egyptian wheats, (36) 159.

Hawalian products, (39) 208.

Italian hard wheat, analyses, (32) 252.

sugar beets, manufacture and use, (29) 161.

western Canada, baking qualities, (34) 365.

wheat of different test weights, (39) 871.
fumigation, (39) 558.
gluten content, (30) 164; (33) 659.
gluten content, (30) 164; (33) 659.
gluten content, diminishing, (31) 855; (32) 252.
gluten, examination, (20) 867.
graham, studies, (29) 160, 866.
hard winter wheat, for bread, (26) 67, 68.
hog, analyses, (31) 863.

Hungarian wheat, baking tests, (26) 562.
improvement in storage, (28) 660.
improvers, studies, (23) 65.
insects affecting, (39) 463; (40) 855.
judging, (29) 60; (31) 809; (38) 711, 712.
loss due to fermentation, (36) 464.
low-grade, analyses, (27) 570; (28) 465; (30) 169, 868; (32) 169; (34) 72; (36) 268; (39) 167; (40) 72.

methods of analysis, (26) 357; (27) 462, 498, 808, (28) 359; (32) 505.

Mexican, composition and quality, (32) 63.
mild and gristmill industry in United States, (30) 791.

mill industry in United States, (31) 65.
milling, (38) 538.
                                actions americang, (26) 356. in relation to bacteria, (31) 855. studies, (27) 166; (30) 555. baking strength, (34) 803. baking strength, (34) 803. baking tests, (27) 462; (29) 564; (31) 258; (32) 252, 761; (33) 160.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                milling
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          milling—
and baking tests, (34) 558.
orders in Great Britain, (36) 662.
treatise, (29) 263.
mills, fumigation, (27) 258.
mites, studies, (40) 855.
mixed and long-extraction, (39) 769.
mixtures, methods of analysis, (37) 10.
moisture content, determination, (39) 715.
moth, Mediterranean, see Mediterranean flour
moth.
moth remedies, (30) 861.
                                       barley, analyses, (38) 666.
                                       bcetle
                                                                        confused, remedies, (27) 258.
notes, (26) 453; (34) 754.
nust-red, notes, (30) 655.
                            notes, (28) 453; (34) 754

notes, (28) 453; (34) 754

lust-red, notes, (30) 655.

bleached—
analyses, (33) 162.
notes, (30) 559.
use, (32) 456.

bleaching, (26) 355; (31) 162, 658; (32) 855.

bleaching, (26) 355; (31) 162, 658; (32) 856.

bleaching, natural and artificial, (28) 861.

bread making value, (27) 267; (39) 469.

burned, milling and baking tests, (38) 567.

catalasa activity, (38) 712.

cercal, as feeds, analyses, (40) 72.

change in weight during storage, (30) 667.

chemical studies, (30) 506.

chemistry of, (26) 357.

color of, (31) 658.

color reaction for examination, (40) 411.

coloring matter of, (22) 861.

composition, (26) 358.

composition and bread-making value, relationship, (29) 765.

conservation in United States, (38) 792.

decline of gluten in, (32) 63.

degree of bolting in relation to nutritive value, (40) 66, 460, 556, 667.

detection of—
alum in, (27) 504.

foreign substances in, (27) 808.

ustilaginous spores in, (26) 408.

determination of—
acidity in, (33) 14; (40) 13.

cellulose in, (33) 314.

fineness, (38) 314.

fineness, (38) 314.

indigestible residue, (39) 501, 502.

pentosans in, (39) 205.

smut spores in, (36) 166.

strength and baking qualities, (34) 610.

digestibility as affected by aging, (26) 463.

digestibility as affected by aging, (26) 463.

digestion of, (26) 263.

distribution of nitrogen in, (36) 269.

effect of modifying gluten surrounding, (28) 359.

enzym, studies, (28) 862.

examination, (39) 205.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              moth, remedies, (39) 861.
nitrogen and phosphoric acid in, (26) 661; (27)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ou.
nutritive value, (26) 260; (35) 363.
nutritive value—
as affected by milling, (36) 464.
in relation to phosphorus content, (35) 162.
of Queensland, analyses, (40) 314.
offal of wheat, composition, (33) 564.
paste, use against red spiders, (28) 759.
paste, use in lime-sulphur mixtures, (29) 459.
phosphorus in, (26) 260; (27) 461.
poisonous, (38) 712.
production, problems in, (28) 564.
protein cleavage in, (35) 265.
protein content, (27) 807.
quality, determination, (37) 206.
quality of gliadin in, (27) 112.
red dog, analyses, (28) 568, 665; (27) 170, 171, 670, 774; (28) 464, 465, 689; (29) 367, 467, 769; (31) 73, 467, 564, 663; (32) 169, 862; (33) 568; (34) 168, 263, 371, 467; (35) 373, 562, 867; (36) 667; (27) 268, 471; (38) 67, 572, 665; (39) 167, 370; (40) 587, 1057 mixtures benedicted from (70) eer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nutritive value, (26) 260; (35) 368.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14, 4(0, 5). As Shrinkage tests, (35) 471. soft wheat, bread from, (27) 867. standards in Great Britain, (36) 662. storage experiments, (33) 161. strength of, (28) 358; (40) 761. "strong" and "weak," hydration capacity, (39)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "strong" and "weak," hydration capacity, (39)
468.
studies, (28) 738; (27) 763; (28) 65.
substitutes, (37) 895.
sulphates and lime in, (32) 855.
supply in United States, (38) 867.
sweepings, analyses, (32) 862.
testing, (28) 357; (31) 759.
testing laboratory, constant-temperature cabinet for, (36) 714.
three centuries of prices, (40) 792.
toxicity due to barium carbonate, (33) 64.
trade in Foochow District, (40) 863.
```

Flour—Continued.	Flowers—Continued.
unbolted, detection in bread, (34) 113.	house, handbook, (26) 744.
valuation, (29) 460. valuation on dry matter content, (36) 92.	identification, (31) 35. in California, treatise, (31) 837.
valuation, score card system, (33) 864.	inheritance of doubleness, (39) 123.
variation in—	insects affecting, (28) 248; (30) 53.
protein content, (26) 259.	Japanese, inheritance in, (33) 242.
weight during storage, (32) 763. waste, analyses, (39) 773.	lessons on, (31) 792. medicinal, notes, (30) 145.
white, ash constituents, (39) 365.	monographic studies, (37) 239.
white, relation to beribers, (27) 868.	nectar secretion, (37) 633.
whole wheat, nutritive value, (40) 66, 67, 460. whole wheat, recipes, (40) 67.	new or little known, at Ontario Agricultural College, (35) 345.
Flower—	new or noteworthy, tests, (37) 143.
bug, insidious, notes, (32) 654.	new or noteworthy, tests, (37) 143. night-blooming, self-warming in, (36) 226.
color—	01 North America, (33) 437.
and insects, relationship, (31) 57. formation, (32) 524.	sulphur, mixing with lime, (34) 51. the woods, treatise, (33) 541.
in Antirrhinum majus, studies, (31) 224.	western United States, guide, (33) 842; (38)
Mendelian factors for, (34) 335.	739
review of investigations, (34) 824.	Deloria in. (34) 823
studies, (31) 324. diseases, notes, (30) 746; (31) 746. garden calendar for Bermuda, (39) 846.	oxidases in, (29) 220. peloria in, (34) 823. pigmentation in, (29) 421, 434. polymorphism in, (29) 540.
garden calendar for Bermuda, (39) 846.	por mor prism m, (20) ozo.
garden contests for boys and girls, (28) 194.	pressing, (34) 237. relation to insects, (26) 392.
gardening— bibliography, (30) 238; (34) 238,	seed production, (31) 524.
bibliography, (30) 238; (34) 238, notes, (30) 645, 696; (31) 298; (39) 244, 846.	treatise, (30) 238, 445; (31) 143; (34) 535; (37)
treatise, (29) 239.	145, 746.
gardens— hibliography (32) 839	variations in coloring matter, (34) 710.
bibliography, (32) 839. for little girls, (38) 297. handbook, (27) 442.	varieties, (37) 836; (38) 641, 842. varieties at Wisley, (33) 536.
handbook, (27) 442.	wild, treatise, (35) 450; (37) 630.
school, in India, (36) 395. treatise, (33) 738; (35) 745.	Flue dust—
petals, premature fall, (27) 230.	analyses, (35) 127, 128; (38) 424. as source of potash, (37) 427; (39) 118, 121, 430,
pigments—	626.
formation, (35) 333. notes, (31) 728.	composition, (34) 623.
of Antirrhinum majus, (32) 202, 203, 220.	effect on vegetation, (26) 38.
review of literature, (34) 335.	fertilizing value, (39) 429. from iron works, analyses, (33) 821.
pots, concrete, construction, (27) 645.	from sawmills, analyses and use, (33) 819.
seed, production, (33) 226.	Flueggea obovata, analyses and digestibility, (27)
seeds, analyses, (26) 739. shows, notes, (35) 450.	871; (32) 167.
structure and color, investigation, (32) 522.	Fluids— determination of turbidity, (37) 14.
thrips—	determining refraction of, (33) 315.
affecting peaches, (33) 746; (40) 650. internal parasite of, (26) 858.	motion of, (33) 321.
notes, (26) 452; (28) 654; (33) 746; (35) 656, remedies, (26) 452; (27) 757; (29) 251. studies, (35) 852; (37) 659.	revolving, dynamics, (38) 210. Flukes affecting sheep in Algeria, (31) 86.
remedies, (26) 452; (27) 757; (29) 251.	Flume, Venturi, description and tests, (37) 282.
Flowering plants—see also Plants, ornamental.	Flumes—
inheritance of germinal peculiarities, (40) 131.	frictional resistance in, (30) 885. metal, for irrigation canals, (30) 588.
Flowers—	metal, preservatives for (36) 585.
Alpine, treatise, (26) 139. as affected by—	semicircular steel, discharge capacity, (31) 89.
illuminating gas, (37) 726.	use in lumbering operations, (31) 485. wooden, design and construction, (36) 586.
tarring roads, (27) 333.	Fluorescein, action of, (28) 880.
ultraviolet rays, (26) 431. biology and coloration, (28) 226.	Fluoric acid, preservation of fruit juices with, (26)
biology and coloration, (28) 226. breeding experiments, (35) 444; (38) 641.	68.
certificated by Royal Horticultural Society, (31)	Fluorids— as wood preservatives, (27) 148; (30) 239.
340. color and markings, (28) 227.	detection, (26) 311; (27) 206.
color and structure in relation to sunlight, (34)	Fluorin—
237.	detection and distribution in animal and vege
coloring matters of, (32) 309. cultivated, injury by bees, (38) 264.	table tissues, (28) 506. determination, (28) 311; (32) 710.
culture, (29) 840; (31) 635.	determination in presence of phosphorus, (38)
ATT I TOTAL	313.
experiments, (82) 438; (35) 444; (38) 641. in Alabama, (35) 141. in Alaska, (28) 743. in California treation (32) 441	effect on— corn, (33) 522.
in Alaska. (29) 743.	hemp, (33) 432.
in Camorina, meanso, (65) 121.	microorganisms, (32) 308.
indoors, (32) 839.	vegetation, (33) 522; (34) 624. Fluorspar—
cut, deterioration, (28) 129. cut, industry in Italy, (39) 244.	effect on solubility of basic slag, (35) 204.
cut, preservation, (31) 837. defertilization by insects, (39) 734.	slag, fertilizing value, (39) 520.
defertilization by insects, (39) 734.	Fluosilicates—
double, breeding, (30) 330. double, inheritance of, (29) 341.	detection, (26) 311. manufacture and use, (33) 425.
effect on formation of sugar, (28) 225.	Flycatchers, feeding habits, (28) 56.
fertilization by bees, (30) 454.	Flytrap, description, (27) 757.
forcing during winter, (33) 521. formation of anthocyanin in, (31) 427.	Flytraps, notes, (35) 468. Foals—
French commerce in, (31) 596.	care and management, (29) 873.
greenhouse culture, (38) 39.	draft, feeding experiments, (31) 870.
greenhouse, red spider on, (39) 65. growth as affected by electric light, (28) 228.	infectious disease, (39) 686. Foaming, inhibition, (39) 503.

Fodder—	Food—Continued.
crops, see Forage crops.	analysis—continued.
inorganic, preparation, (34) 72. insects affecting, (34) 651.	methods, (27) 206; (29) 412, 861; (30) 201; (31) 806; (32) 312; (36) 414.
Fodders-	
amylolytic activity, (32) 503.	textbook, (33) 206; (37) 503. treatise, (29) 506; (34) 506, 610. and Drugs Act, (31) 396. Drugs Act and decisions, (32) 254.
analyses, (32) 465.	and Drugs Act. (31) 396.
ether and chloroform extracts of, (28) 69. ether extract of, (27) 500; (28) 108.	Drugs Act and decisions, (32) 254.
of South India, analyses, (38) 368.	health, textbook, (36) 497. household management, textbook, (31) 298.
Fog-	and nutrition—
along California coast, (38) 511.	chemistry of, treatise, (38) 661,
annual hours of, (35) 115. as source of water supply, (35) 619.	handbook, (30) 63.
at United States lighthouses, (38) 511.	papers on, (40) 864. and the war, textbooks, (40) 795, 899.
beach, and fracto-cumulus, (34) 118.	as body fuel, (30) 563.
classification, (35) 115. effect on redwood, (38) 522.	as factor in sociologic problems, (30) 166.
forecasting, (35) 808.	bacteriological examination, (32) 311; (34) 713. bacteriological examination, treatise, (38) 11.
in Manchester, England, (34) 414.	bacteriology of, (29) 563.
prevention, (31) 213. production by the sun, (29) 721.	horic acid in. (36) 466.
relation to—	borne infections, (39) 368, 488. budgets, (40) 173, 462. buying, (38) 366.
atmospheric humidity, (29) 120. grape downy mildew, (28) 448.	buying, (38) 366.
grape downy mildew, (28) 448.	canteens and catering for munition workers in
spread of plant diseases, (38) 47. wind direction, (35) 619.	England, (39) 568.
signal machinery, acoustic efficiency, (38) 510.	care of in the home, (31) 299, 359. chart, description, (38) 64.
signals, reflection, (26) 214.	charts, (29) 766; (31) 260, 557; (40) 68, 559, 865.
Foliage illumination as affected by air movements,	chemistry—
(33) 826.	bacteriology, and technology, textbook, (32) 558.
Formes—	manual, (29) 598.
applanatus, studies, (40) 160. australis, notes, (38) 548; (39) 752.	progress in, (20) 405; (27) 310; (28) 800; (29)
australis, studies, (40) 48.	412, 506; (30) 314; (32) 109; (33) 258, 805; (34) 658
formentarius on apples, (32) 51.	treatise, (32) 854.
geotropus, notes, (31) 349. ignianus—	clinic, notes, (30) 167. codex of Netherlands, (27) 207.
in black knot cankers, (32) 52.	codex of Netherlands, (27) 207. coloring substances, separation and identifica-
on alder, (40) 844.	tion, (36) 714.
pomaceus, fruiting forms, (32) 341. sporophores of, (33) 552. juniperinus in British East Africa, (34) 546.	colors, chemical and physical properties, (26)
juniperinus in British East Africa, (34) 546.	506. colors effect on digestion, (26) 68.
lignosus, notes, (38) 52, 53. lucidus, notes, (28) 149; (29) 446; (31) 56; (34) 50; (36) 348; (38) 354; (40) 48. lucidus on tea roots, (37) 52, 252. officinalis, studies, (40) 160.	combination, errors in, (36) 663.
50; (36) 348; (38) 354; (40) 48.	combinations in menus, (28) 762. congress at Liege, (32) 662, 760. conservation, (28) 563; (38) 94, 167, 266, 662, 770, 795; (39) 195; (40) 173, 559, 894.
lucidus on tea roots, (37) 52, 252.	congress at Liege, (32) 662, 760.
officinalis, studies, (40) 160.	795; (39) 195; (40) 173, 559, 894,
pinicola, notes, (31) 646. pinicola, treatment, (38) 855.	conservation, menus, (40) 559.
putearius n.sp., description, (31) 247.	conservation, teaching, (40) 197. constituents, inorganic, behavior in intestinal
rimosus, notes, (31) 751.	tract, (28) 665.
roseus, studies, (40) 350. semitostus—	constituents, value of, (31) 263.
description, (30) 850.	consumption, variations in different seasons,
host plants of, (28) 350.	(31) 661. containers—
in tropical America, (34) 442.	absorption by, (32) 763. hygiene of, (35) 765.
notes, (27) 451, 854; (28) 153, 241; (29) 547, 749; (31) 242; (32) 549; (33) 449, 741; (34) 57, 744; (35) 251; (36) 746, 846, 851, 852; (37)	hygiene of, (35) 765.
57, 744; (35) 251; (36) 746, 846, 851, 852; (37)	paper, bacteriology, (32) 856. contamination—
349, 839; (39) 452. treatment, (29) 552.	and protection, (31) 68. in restaurants, (35) 664.
sp. on tea roots, (39) 57.	in restaurants, (35) 664. with shellac, (26) 710.
spp., descriptions, (30) 151.	Control Act, Federal, (38) 399; (39) 872.
spp., new hosts for, (33) 550. spp., notes, (27) 253, 653; (31) 845. spp., on forest trees, (37) 756; (40) 349.	control—
spp., on forest trees, (37) 756; (40) 349.	in Canada, (39) 688.
spp., toxicity of preservatives on, (33) 651.	in Canada, (39) 688. France, (39) 569. Great Britain, (39) 569.
Fomitiporia—	United States, (39) 569. work, organizing for, (28) 863.
tsugina, notes, (39) 153. weirii n.sp., description, (31) 247.	work, organizing for, (28) 863.
Fontaria gracilis, notes, (26) 353.	cooked, agencies for sale of, (39) 769. cooked and uncooked, effects, (27) 461.
Food—aee also Diet.	customs of the Armenians, (39) 164.
accessories—	customs of the Iroquois, (39) 67. definitions and standards, (34) 661.
importance of, (30) 567. notes, (29) 463; (37) 468.	desire for. (37) 166.
treatise. (29) 265.	digest of data, (37) 469, 571.
administration in New York, (39) 688, 872. adulteration, (26) 564; (27) 206, 497; (28) 259, 762;	dissemination of typhoid lever by, (31) 08.
(31) 462.	distribution in cities, (33) 694. economics at Minnesota College, (37) 264.
adulteration—	economy
detection, (28) 157, 312; (31) 557.	during war, (33) 864.
detection and prevention, (26) 564, 608, treatise, (26) 65, 355; (40) 459.	in, (37) 180, 571. lessons in, (40) 693. of table d'hote meals, (39) 67. treatise, (40) 361, 559, 796.
alum in, (31) 556.	of table d'hote meals, (39) 67.
analysis— handbook, (30) 710.	treatise, (40) 361, 559, 796.
international conference, (26) 804.	elements, component parts of, (35) 368. energy, conservation, (39) 768.
* * *	

Total Continued	The state of the s
Food—Continued.	Food—Continued. inspection—continued.
extracts, composition, (36) extracts, concentrated, cold storage, (27) 461.	in Pennsylvania, (27) 767; (29) 867; (30) 763; (31) 258, 760; (32) 763; (33) 67; (35) 470;
factories, inspection, (20) 868; (31) 359.	(31) 258, 760; (32) 763; (33) 67; (35) 470;
fat, passage into milk fat, (35) 775. fat-producing, use against tuberculosis, (33) 278.	(37) 570. Philadelphia, (36) 63, 64.
fats, effect on body fat of carp, (27) 66.	Philippines, (31) 259.
fats, effect on liver, (27) 66.	Philippines, (31) 259. Prussia, (31) 857. Rhode Island, (31) 258; (33) 67; (36) 762;
flavors, importance of, (32) 764. for diabetics, (40) 284.	(40) 559.
growing children, (33) 364.	Salony, (32) 689. South Carolina, (31) 259.
notels, sanitary control, (36) 561.	South Carolina, (31) 259.
growing children, (33) 364. hotels, sanitary control, (36) 561. polar explorers, (32) 537. United States Navy, (33) 753. working old backer (32) 260	South Dakota, (27) 64; (28) 661; (31) 359; (33) 67; (35) 471.
Working class nouserrords, (21) 205.	Tennessee, (27) 463; (28) 459; (32) 357;
general discussion with recipes, (38) 867.	(36) 662. Tares (20) 61
household economy, (39) 267, 367, 567.	Utah, (33) 164.
heated, nutritive value, (37) 467. household economy, (39) 267, 367, 567. household tests for, (31) 462, 557. hydrolyzed, effect on digestive tract, (29) 662. hydrolyzed, effect or digestive tract, (29) 662.	Virginia, (28) 566; (29) 567, 766; (30) 258;
imports and exports of various countries, (32)	(31) 462; (32) 661; (36) 63. Washington, (29) 266
455.	Wisconsin, (29) 61; (35) 471; (38) 867.
imports into United Kingdom, (26) 688. in state institutions of Illinois, (28) 167.	(36) 682. Texas, (29) 61. Utah, (33) 164. Virginia, (28) 566; (29) 567, 766; (30) 258; (31) 402; (32) 561; (36) 63. Washington, (29) 266. Wisconsin, (29) 61; (35) 471; (38) 867. Wyoming, (36) 363. scientific standards for, (30) 258.
in the home and market, treatise, (31) 68.	scientific standards for, (30) 258. inspectors'—
in war time, book, (38) 662.	examinations in England, book, (33) 261.
industries, textbook, (32) 658.	handbook, (33) 67.
industry, control, (36) 663. infection by pathogenic bacteria, (35) 264.	instruction, cards for, (32) 495. intake, effect on metabolism, (26) 160.
ingestion—	iodin content, (35) 555, 761.
and energy transformations, (40) 270.	laboratories—
effect on gaseous exchange and energy metabolism, (26) 565.	arrangement, (28) 863. of Austria-Hungary, report, (28) 414.
effect on metabolism, (30) 168, 365.	of Austria-Hungary, report, (28) 414. laboratory course in, (32) 494.
inspection—	laboratory manual, (26) 396; (27) 94.
and analysis, treatise, (29) 204. decisions, (26) 762; (27) 269, 566, 665, 868;	law in— Connecticut (27) 787: (31) 250: (35) 387 55
decisions, (26) 762; (27) 269, 566, 665, 868; (28) 662; (29) 568.	Connecticut, (27) 767; (31) 259; (35) 367, 55 Florida, (26) 157; (31) 259; (33) 164.
encyclopedia, (28) 259. in Alabama, (33) 66.	Germany, (30) 559.
Belgium, (27) 14.	Great Britain and Ireland, (28) 459. Illinois, (29) 61.
Belgium, (27) 14. Boston, (31) 659.	Indiana, (26) 868.
	Innois, (29) 51. Indiana, (26) 588. Iowa, (26) 261. Kansas, (28) 662. Louisiana, (29) 568. Michigan, (26) 660; (29) 61; (37) 63. Minnesota, (30) 877. Nebraska, (26) 568; (31) 67. Nevada, (30) 105. New Hampshire, (28) 862; (40) 462.
Canada, (28) 259; (33) 165. Connecticut, (26) 659; (28) 357; (30) 664; (33) 363; (34) 458; (35) 558; (37) 863;	Kansas, (23) 002. Louisiana, (29) 566.
(33) 363; (34) 458; (35) 558; (37) 863;	Michigan, (26) 660; (29) 61; (37) 63.
(39) 366. Dresden (32) 162	Minnesota, (30) 877.
Dresden, (32) 162. Florida, (26) 69, 660; (27) 463; (29) 567, 766; (31) 358; (33) 66, 164; (34) 762; (36) 467,	Negada, (30) 165
	New Hampshire, (28) 862; (40) 462.
864. France, (35) 765.	North Dakota, (33) 662. Ohio, (33) 261.
Georgia, (26) 660; (31) 358; (32) 763.	Oregon. (35) 471.
Germany, (26) 261. Great Britain, (35) 663.	Oregon, (35) 471. Pennsylvania, (27) 767; (30) 763. Rhode Island, (37) 570.
Holland, (30) 258.	Rnode Island, (37) 570. South Dakota, (29) 566: (36) 63.
Tdaho. (20) 866	South Dakota, (29) 566; (36) 63. Tennessee, (32) 357.
Illinois, (28) 762; (33) 66, 67; (36) 467. Indiana, (28) 65; (31) 67; (32) 254, 357; (34) 861; (37) 63.	Texas, (26) 868. United States, (36) 663.
(34) 861; (37) 63.	United States, (30) 663. United States, results of, (28) 357.
10Wa, (32) 65; (33) 104; (36) 762.	Wisconsin, (30) 165; (40) 462.
Kentucky, (26) 69; (31) 358, 359; (34) 761; (38) 867.	Wyoming, (27) 767; (31) 259; (35) 663.
Louisiana, (32) 357; (35) 663; (40) 461. Maine, (26) 868; (27) 665; (32) 856; (36) 467. Maryland, (37) 468. Massachusetts, (28) 565; (31) 67; (33) 260;	laws— and regulations in Kansas, (32) 254.
Maine, (26) 868; (27) 665; (32) 856; (36) 467.	and regulations in United States, (33) 662.
Massachusetts, (28) 565; (31) 67; (33) 260;	in American cities and towns, (26) 359.
(35) 470; (37) 165.	in California, (37) 63. in Canada, (26) 762.
(35) 470; (37) 165. Michigan, (26) 660; (27) 767; (29) 463; (33) 363; (35) 367. Minnesoto (29) 462; (35) 368; (37) 166	manual, (32) 65.
Minnesota, (29) 463; (35) 368; (37) 166.	manual, (32) 65. treatise, (29) 266.
Missouri, (26) 564; (29) 362; (31) 67, 462;	likes and dislikes of various peoples, (40) 656. marketing in New York, (38) 293.
(33) 363; (35) 367. Minesotta, (29) 463; (35) 368; (37) 166. Missouri, (26) 564; (29) 362; (31) 67, 462; (33) 164; (37) 63. Montana, (33) 67. Nevada, (29) 266; (33) 661.	materials—
Nevada, (29) 266; (33) 661.	and condiments, manual, (30) 763.
New Hampshire, (28) 862; (31) 760; (40) 461.	exposed, danger from, (26) 464. Florida, menus and recipes, (40) 560.
New Jersey, (28) 862; (32) 357; (35) 164.	use of antiseptics in, (26) 564.
New Jersey, (28) 862; (32) 357; (35) 164. North Carolina, (26) 69; (29) 266; (31)	Ministry of Great Britain, work of, (40) 865.
659; (33) 164; (34) 661.	mixed, effect on digestion of each, (32) 780. mixtures, effect on metabolism, (28) 867.
North Dakota, (26) 69, 461, 462; (27) 64, 165, 364, 463; (28) 259, 660, 762, 862; (29) 661, 865; (30) 665, 666, 667, 668; (31) 657;	mixtures, fat-free, tests, (28) 863.
661, 865; (30) 665, 668, 667, 668; (31) 657;	molds, relation to cockroaches, (26) 347.
(32) 162, 456, 661, 763; (33) 67, 164, 461, 753; (34) 67, 256, 366, 861; (35) 267, 470,	nitrogenous, metabolism, (32) 359. of ancient Egyptians, (30) 559.
765; (36) 262, 362, 762; (37) 63, 468, 570,	Belgian Kongo natives, (31) 557.
863; (38) 167, 867.	German laborers, (28) 66.
Ohio, (26) 69; (27) 64; (29) 266; (33) 67, 164, 661.	infants, methods of analysis, (31) 114. infants, use of starch in, (28) 359.
Oregon, (35) 470.	Labrador Eskimo, (37) 264.

Food-Continued.	Food—Continued.
of natives of Mailu, British New Guinea, (36) 303.	production—continued. increasing, (37) 594; (38) 298.
poor families in England and Scotland, (29)	papers on, (40) 894.
567. Syrians, (27) 665.	products—
oils and fats, (39) 366.	analyses, (30) 763; (32) 65, 162, 357. artificial colors in, (29) 661.
packages, labeling, (35) 558.	canned, inspection, (27) 565.
pustes, analyses and use, (27) 664. plant of the Aztecs, (40) 728.	cold storage, (27) 362.
plants of ancient America, (38) 167.	cold storage, (27) 362. coloring, (28) 506. cost of distribution, (29) 492.
plants of New Mexico, (29) 860. poisoning—	detecting gums in, (40) 410.
bacilly growth in meat, (32) 559	determination of starch in, (27) 807. distribution, (29) 894. examination, (26) 69, 462, 660; (27) 165; (28) 565, 566, 882.
bacteria, notes, (29) 64. digest of data, (30) 167. due to cream cakes, (31) 555.	examination, (26) 69, 462, 660; (27) 165; (28)
due to cream cakes, (31) 555.	565, 566, 862. formic acid in, (28) 863.
due to creamed cabbage, (31) 855.	Hawaiian, use, (28) 660.
epidemic, investigations, (34) 563. from Gaertner-group organisms, (40) 362.	Hawaiian, use, (28) 660. inspection, (40) 461, 559. inspection in Argentine (28) 762
in Alaska, (31) 360.	
in Great Britain, (35) 663.	inspection, regulations, (40) 92.
in Alaska, (31) 360. in German Army, (31) 857. in Great Britain, (35) 663. microbial, notes, (20) 372.	inspection law, (38) 366. inspection, regulations, (40) 92. laboratory course in, (35) 93. methods of analysis, (28) 510. plckling experiments, (28) 564. refrigeration, (27) 460; (28) 563.
outbreaks, Gaerther-Caused, (59) 466.	pickling experiments, (28) 564.
relation to fowl typhoid bacillus, (32) 478. studies, (28) 677.	refrigeration, (27) 460; (28) 563. reports of storage holdings, (40) 68.
poncy, national, (39) 190.	source, chemistry, and use, treatise, (32) 353
prenatal, summary of data, (31) 463. preparation, (28) 566; (30) 463; (32) 661; (37) 670;	stored, insects affecting, (37) 848; (39) 161, 463, 761.
(38) 663.	903, 701. Syrian, notes, (32) 455.
preparation— and preservation, treatise, (26) 65.	thickeners used in, (34) 167.
and service, treatise, (32) 65.	toxic materials in, (35) 577.
and service, treatise, (32) 65. and use, (38) 662. in hotels, (32) 357.	Syrian, notes, (32) 455. thickeners used in, (34) 167. toxic materials in, (35) 577. transportation, (32) 76, 686. use of coal-tar colors in, (26) 609. variation in weight and measure (32) 356-
laboratory guide. (40) 96.	The same and the same and the same of (our) occi,
laboratory guide, (40) 96. storage, and distribution, (32) 255.	(36) 561. weight and volume of packages, (27) 565;
preservation, (26) 355, 372; (27) 269; (29) 312; (35) 471; (40) 18.	(28) 358.
preservation—	proprietary, analyses, (31) 760. protection and contamination, (30) 862; (34) 790.
and adulteration, (35) 765. and care, (32) 659.	protection and contamination, (30) 862; (34) 790. purchase of a family, weekly, (40) 659.
home and farm, (39) 614. in the home, (28) 694; (30) 165.	purchase, preparation, and service on vessels of U. S. Navy, (31) 166. purchasing, (35) 471.
in the home, (28) 694; (30) 165.	purchasing, (35) 471.
industry, (40) 808. treatise, (29) 264.	quantities, ellects on human life, (40) 561.
with nascent ozone, (29) 566.	recipes, (34) 794. reforms, modern, treatise, (32) 66.
price indexes, (40) 269. prices, (26) 261; (28) 388.	regulations in Spain, (26) 69.
prices—	relation to—
and movement in 1916, (37) 492. as affected by cold storage, (28) 871.	health, (40) 866. infection, (31) 464.
during the war, (40) 765. in Australia, (29) 362; (35) 471. Bern, (32) 162. England, (38) 90. France, (33) 694.	penagra, (31) 858.
in Australia, (29) 362; (35) 471.	requirements—
England, (38) 90.	and labor, relation, (31) 862. and the menu, (40) 560.
France, (33) 694.	appetite, and hunger, treatise, (31) 859.
India, (28) 259; (30) 896.	daily, (31) 861. for sustenance and work, (30) 169.
Great Britain, (35) 471. India, (28) 259; (30) 896. London, (30) 106. New Jersey, (35) 860. New York City, (28) 461.	of a working-class family, (40) 660.
New York City. (28) 461.	children, (29) 464; (31) 261. infants, (38) 267.
Newton, Massachusetts, (35) 860. 1912, (29) 190. Prussia, (31) 68.	man, (28) 260; (35) 99.
1912, (29) 190. Prossia, (31) 68.	men in active service, (27) 65. old men, (26) 262.
United States, (30) 259, 364; (31) 558; (33)	the body, (36) 763. resorption, function of psalterium in, (26) 573.
461. Washington State, (35) 765; (38) 568.	resorption, function of psalterium in, (26) 573.
retail, digest of data, (32) 763.	review of investigations, (34) 762. review of literature, (33) 714.
since outbreak of European war, (36) 263.	sampling for inspection purposes, (30) 13.
primer for the home, (40) 559. principles of, (32) 659.	sanitary, notes, (27) 665. sanitation—
problem and agricultural situation, (39) 494.	on railway trains, (30) 863.
problem in war time, (36) 263. Production Act, Federal, (37) 301; (39) 872.	treatise, (33) 258. saying and sharing, book on, (40) 659.
production—	selection, (37) 364, 668, 864.
and conservation by boys and girls' clubs, (38) 795.	selection— and preparation, labor-saving devices in,
for 1918, (38) 89.	(32) 661.
for 1918, (38) 89. in Brazil, (40) 392. Great Britain, (35) 558, 664, 694; (38) 102,	and purchasing, (29) 868.
192.	and use, (37) 469. preparation, and cooking, (35) 269.
Ireland, (36) 594.	preparation, and cooking, (35) 289. treatise, (36) 762.
Portugal, (38) 99.	served in students' dining room, figures and facts on, (39) 568.
Mauritius, (40) 590. Portugal, (38) 99. Scotland, (40) 590.	shops, inspection in Argentina, (26) 762, shops, low-priced, in Christiana and Vienna,
Switzerland, (40) 790. United States. (38) 101, 266.	shops, low-priced, in Christiana and Vienna, (32) 856.

Food-Continued.	Foods-
situation—	accessory, effect on gastric secretion, (26) 468.
in Canada, (40) 68. central Europe, (39) 191, 569.	acid and base-forming elements in, balance, (26)
England. (39) 569.	alkalinity of ash determination (40) 204
Germany, (40) 561, 660, 866.	aluminized, effect on dogs, (27) 268 analyses, (27) 64, 463, 767; (28) 762, 811; (29) 865; (30) 165, 258; (31) 67, 166, 358, 359, 509, 557; (32) 456, 661, 763; (33) 66, 67, 164, 165; (34) 67; (35) 558; (37) 63; (39) 669.
Porto Rico, (39) 190. review, (40) 561.	(30) 165, 258; (31) 67, 166, 358, 359, 509, 557; (32)
etandards in Australia (31) 462.	456, 661, 763; (33) 66, 67, 164, 165; (34) 67; (35)
standards, notes, (28) 357. statistics, handbook, (40) 765. statistics, index, (40) 462.	558; (37) 63; (39) 669.
statistics, index. (40) 462.	and diet, textbook, (29) 500.
sunstances—	and their relative nourishing value, (39) 768. antineuritic value as affected by heat and alka-
isolated, dietary value, (37) 264. isolated, experiments with, (31) 69. purified, feeding experiments with, (33) 465.	lis, (40) 565. aromatic substances of, (27) 268.
nurified, feeding experiments with, (31) 465.	artificial and predigested, use, (28) 359.
unknown, notes, (31) 362.	artificial and predigested, use, (28) 359. artificial coloring, (27) 809; (28) 510. as affected by saccharin, (26) 257.
supplies—	as affected by saccharin, (26) 257.
conservation, bibliography, (31) 535. in railway stations and trains, (32) 456.	ash, alkalinity and phosphoric content, (36) 204. ash analysis, (29) 861.
of large cities in Germany, (30) 364.	ash constituents, (39) 365.
present and future, (32) 162. statistics, (31) 165.	Asiatic, calcium and magnesium in, (29) 64.
supply—	bibliography, (29) 360. camp, of Southwest Africa, (27) 269.
and availability, factors, (40) 361, and prices in New South Wales, (29) 862.	canned, see Canned foods.
and prices in New South Wales, (29) 802. and prices in war time, (38) 663.	cereal and vegetable, in United States, (38) 866. changes in during cold storage, (27) 460; (31) 659.
hibliography (36) 762.	choice of, (35) 765.
during European war, (33) 788.	classification, (29) 362.
during European war, (33) 788. economic aspect, (35) 268. future, of United States, (31) 295.	classification, (29) 362. cold storage, (27) 362; (39) 472. colloid chemistry, (27) 310. composition, (31) 760.
in various countries, (38) 494.	composition, (31) 760.
in war time, (38) 670; (39) 66; (40) 462, 659.	composition and— cost, (38) 366.
of Belgium. (37) 166.	cost in Spain. (34) 255.
in various countries, (38) 494. in war time, (38) 670; (39) 66; (40) 462, 659. increasing, (32) 45; (37) 290, 390, 890. of Belgium, (37) 166. Boston, (36) 593.	energy content, (31) 260. energy value, (34) 561. nutritive value, (29) 463.
California, (37) 697. Ceylon, (31) 760.	energy value, (31) 561.
England, treatise, (36) 290.	content of purin bases, (40) 205.
families of limited means, (40) 361.	cooperative buying, (29) 868; (31) 261.
England, treatise, (36) 290. families of limited means, (40) 361. France, (37) France, Government control, (37) 469.	cost— and nutritive value, (28) 762; (30) 364.
Germany, (34) 791; (35) 295; (36) 263; (37)	at Garland School of Home Making, (31)
Germany, (34) 791; (35) 295; (36) 263; (37) 166; (38) 293.	659.
Germany during the war, (33) 462. Germany, treatise, (29) 162. Great Britain, (36) 263, 392, 663; (37) 264, 890; (38) 266, 694; (40) 392, 462, 659. Great Britain In time of war, (34) 89.	chart, (40) 68. in New York, (33) 565.
Great Britain, (36) 263, 392, 663; (37) 264,	in various countries, (27) 269.
890; (38) 266, 694; (40) 392, 462, 659.	treatise, (40) 68.
Great Britain in time of war, (34) 89. Great Britain, treatise, (29) 162.	court decisions on, (28) 459; (35) 860. creatin- and creatinun-free, studies, (31) 760.
Great Britain, treatise, (29) 162. Jamaica, (38) 769.	crumbing, analyses, (31) 358.
large cities, (27) 363.	decomposition, (27) 566. decomposition, organisms concerned in, (28)
man, relation to plants and animals, (40)	563.
New England, (37) 890.	denaturalized, nutritive value, (25) 66.
New York, (37) 166. Portugal, (37) 890.	detection of— anthrax hacteria in (27) 478.
Door famules, (38) 769,	anthrax bacteria in, (27) 478. benzolc acid in, (27) 715; (28) 411. poisons in, (31) 207. saccharin in, (26) 506. saponin in, (27) 505. determination of
Russia, (39) 569. United States, (37) 263, 289, 491; (38) 896. United States Navy, (34) 167.	poisons in, (31) 207.
United States, (37) 263, 289, 491; (38) 896.	saccharin in, (26) 506.
warring European nations, (35) 497.	determination of—
world after the war, (39) 689. regulation, (37) 571.	arsenic in, (27) 613. phosphoric acid in, (28) 20. diabetic, analyses, (29) 660. digestibility, (26) 263. digestibility as affected by— cooking, (28) 66; (32) 760. preparation, (26) 263. digestion and observation, (28)
	diabetic, analyses, (29) 660.
relation to cont Storage, (40) 439. relation to population, (34) 594. shortage of, (31) 554. under war conditions, (36) 290. survey in United States, (38) 366. surveys, (39) 267, 366, 472, 669, 770, 872; (40) 68, 173, 260, 361, 462, 659, 765, 865. tables, booklet, (38) 469. tables for use in institutions, (40) 559. temperature at ingestion, (31) 462.	digestibility, (26) 263.
Shortage of, (31) 554.	digestibility as anected by—
survey in United States, (38) 306.	preparation, (26) 263.
surveys, (39) 267, 366, 472, 669, 770, 872; (40) 68,	
173, 209, 301, 402, 009, 700, 800.	digestion and resorption. (30) 201. dipterous larvae in, (26) 558.
tables for use in institutions, (40) 559.	Dominican, analyses, (40) 173.
tomperature in impositor, (b) tour	drying, (40) 414, 864.
temperature, effect on gaseous metabolism in man. (28) 569.	drying and canning, (38) 94. drying in Hawaii, (39) 208.
terms, notes, (38) 366.	dynamic action, (40) 866.
topics, (40) 559. training camps at agricultural fairs, (37) 400.	effect on— amylase content of saliva, (29) 164.
utensils, enameled, danger from, (31) 260.	composition of urine, (31) 761.
utilization in cereal clet, (39) 364.	elimination of uric acid, (37) 167.
valuation, (38) 64. valuation of dietary components, (36) 61.	heat production in man, (34) 68. metabolism, (33) 753.
values—	oxidation rate, (40) 364, 365, 766.
education in, (32) 255.	secretion of digestive ferments, (32) 256.
per acre of staple farm products, (38) 292. studies, (29)	solubility of uric acid, (27) 464. stomach development of birds, (32) 265.
teaching, (40) 96.	the growing organism, (30) 365.
teaching, (40) 96. treatise, (36) 663. waste, reducing, (29) 463, 868.	the growing organism, (30) 365. examination, (26) 69, 157, 355, 608; (29) 567; (31) 462; (34) 762.
wastes, causes and remedies, (40) 865	examination and judgment, progress in, (26) 408.

Foods—Continued.	Foot-and-mouth disease—Continued.
exposed, dangers from, (30) 665.	diagnosis, (26) 582; (40) 283.
extra, energy content, (40) 269. factors affecting increased cost, (32) 255.	differentiation from stomatitis, (39) 390.
fresh enzymie action, (30) 463.	dissemination, (27) 254. effect on milk, (30) 573; (32) 479; (33) 577. effect on milk and butter, (32) 76.
gastric response to, (40) 269.	effect on milk and butter, (32) 76.
greening, (27) 865; (28) 662.	eradication and treatment, (33) 580. etiology, (26) 681; (27) 378.
gastric response to, (40) 269. green, vitamins in, (40) 564. greening, (27) 868; (28) 662. handbook, (28) 163. heat of combustics (69) 873.	historical discussion, (26) 284. immunization, (26) 376, 578, 676; (28) 284; (29) 379; (30) 280; (33) 84; (35) 881, 882; (36) 879; (37) 689; (39) 788. in cows, effect on milk, (27) 577.
heat of combustion, (26) 872. Emportance of mineral matter in, (29) 366.	379: (30) 280: (33) 84: (35) 881, 882; (36) 879:
increase in cost of, (26) 359.	(37) 689; (39) 788.
indian, phosphorus content, (27) 461.	in cows, effect on milk, (27) 577. dogs, (33) 180.
insects affecting, (28) 248. left-over, utilization, (38) 770. lessons on, (26) 493; (32) 597. malted and farinaceous, analyses, (28) 359.	horses, (27) 379. man, (34) 383; (35) 75.
lessons on, (26) 493; (32) 597.	man, (34) 383; (35) 75. National Dairy Show cattle, (32) 877.
methyl alcohol in, (40) 204.	sucklings, (26) 582,
microanalytical methods of examining, (26) 110.	notes, (27) 81, 475; (29) 582; (32) 273, 579, 580,
microbiology of, (26) 372, microfiora of, (26) 355, microscopical examination, (30) 709.	notes, (27) 81, 475; (29) 582; (32) 273, 579, 580, 679, 778; (33) 84, 98, 179; (39) 387. outbreak in 1914, (34) 777.
microscopical examination, (30) 709.	outbreak in Somerset, England, (37) 878.
mineral constituents of, (29) 809. miscellaneous, (39) 267.	outbreaks in Pennsylvania, (26) 682.
monetary value, (31) 262.	pathogenesis, (28) 678. pathology, (28) 779. portable bath for, (28) 181.
nitrogen-free extracts in, (32) 21.	portable bath for, (28) 181.
nutritive ratio, (29) 362. nutritive value as affected by preparation, (30)	prevalence in— Denmark, (33) 676.
364.	Dutch East Indies, (32) 475.
oryzanin in, (28) 168. osmotic pressure, (28) 262.	England, (32) 271. Europe and South America, (32) 373.
oven temperatures for, (31) 359.	Germany, (28) 583; (30) 578; (34) 781. Great Britain, (27) 680; (31) 177; (34) 382;
perishable, commerce in, (27) 65.	Great Britain, (27) 680; (31) 177; (34) 382;
physiology of, (37) 166. preserved handhook, (31) 856.	(36) 378. Iowa, (38) 78.
preserved, rôle of salt and sugar in. (28) 361.	Ireland, (29) 677; (31) 480; (34) 186.
prevention of polyneuritis by, (28) 760. purin content, (26) 355.	Mauritius, (40) 680. Netherlands, (27) 379: (38) 79.
purity of, (26) 69.	Prussia, (27) 181.
ready-to-serve, analyses and cost, (33) 753. relation to dental decay, (29) 364.	Prussia, (27) 181. Sweden, (38) 784. United States, (32) 580, 877; (34) 383; (37)
relation to polyneuritis, (28) 567.	274.
saccharin in, (31) 557.	Virginia, (37) 479.
science of, (26) 66. specific dynamic action, (30) 365; (32) 359, 562;	Washington, (37) 477. secondary infection, (33) 180.
(33) 755.	studies, (26) 781; (31) 282, 878; (32) 475, 876; (33) 281; (34) 273, 575, 677, 879; (35) 681; (36) 578.
standards for, in Australia, (30) 862. sterilized, pulp and paper containers for, (30)	transmission to man by milk, (32) 374.
462.	treatise, (35) 280.
storage, (26) 261; (39) 472, 770. stored, insects affecting, (30) 53; (34) 651; (40)	treatment, (26) 682, 782; (27) 81, 379, 478; (31) 879; (35) 180.
259.	virulence of blood in, (36) 382; (37) 689.
studies, (27) 598.	virus carriers of, (33) 179.
summer, saving for winter, (39) 718. supplemental dietary relationships, (37) 166.	virus, destruction in manure, (29) 283. Foot—
supplemental decary relationships, (37) 166. textbook, (26) 261; (32) 394, 558; (33) 364; (37) 894; (39) 567, 899.	diseases in horses, treatment, (29) 783.
tissue-forming. (39) 472.	evil in horses and mules, (27) 576. lesions, treatment with sugar, (37) 82.
tissue-forming, (39) 472. to vicity of substances found in, (28) 661, 863. treatise, (26) 355; (27) 207, 270, 365, 567, 868; (29) 412; (32) 162, 353, 659, 854; (36) 63; (40) 459.	rot in sheep, (33) 774.
treatise, (26) 355; (27) 207, 270, 365, 567, 868; (20) 412: (32) 162, 353, 659, 854: (36) 63: (40) 459	Forage crop— diseases in Texas, (26) 645.
tropical vegetable, notes, (31) 855. uncooked, tubercle bacilli in, (26) 880.	diseases, notes, (31) 539, 841; (40) 747.
uncooked, tubercle bacilli in, (26) 880. uniform laws, (28) 762.	mixtures— digestibility (28) 778
use during war, (34) 561. use in Surinam, (28) 761.	for silage, (28) 666.
use in Surinam, (28) 761.	digestibility, (38) 778. for silage, (26) 666. tests, (27) 234, 736; (28) 532; (34) 735; (37) 733, 734.
use of saccharin in, (26) 868; (27) 665. vegetable—	smuts, notes, (35) 348.
analyses, (29) 659.	Forage crops—
course in, (26) 597; (34) 899. digestibility, (28) 462; (31) 161.	analyses, (30) 565; (31) 863; (33) 171. breeding, (31) 228.
for the diabetic, (39) 571.	breeding experiments, (31) 830; (38) 526.
microscopy of, (35) 503. nutritive value, (31) 161.	composition at different stages, (39) 836. cost of production, (26) 830; (32) 171.
of German Africa, (29) 59.	culture, (27) 32, 899; (32) 430; (33) 33, 98, 698;
vitamin-free, nitrogen balance with, (36) 159. vitamins in, (31) 558.	(34) 630; (35) 33; (39) 834. culture—
war, manual, (37) 715.	experiments, (26) 632, 830; (27) 438, 638; (28)
water content, (40) 204.	experiments, (26) 632, 830; (27) 438, 638; (28) 735; (29) 224, 631; (30) 228, 828; (32) 532; (22) 532, 532, 532, 533, 533, 533, 533, 533,
water content as affected by cooking, (26) 462. wild, of Great Britain, (40) 360.	(33) 227, 333, 526, 667; (34) 34, 228, 736; (35) 826, 829; (36) 32, 133; (37) 329, 331, 435, 826; (38) 31, 433, 526, 632, 735, 828;
world's production of, (85) 497.	435, 826; (38) 31, 433, 526, 632, 735, 828;
Foot-and-mouth disease— causative agent, (26) 376, 682; (28) 376; (36) 278.	in India. (39) 229, 230.
control, (34) 781.	in Wyoming (36) 33: (39) 220
control in— Great Britain, (36) 275, 676; (37) 779.	under dry farming, (28) 533. determination of yield, (37) 439.
Maryland. (36) 777.	development as affected by water, (31) 524.
Pennsylvania, (37) 577. United States, (35) 74; (36) 675.	fertilizer experiments, (26) 424, 631; (27) 736; (31) 421; (34) 22; (38) 433

_	
Forage crops—Continued.	Forage—Continued.
field tests, accuracy in, (31) 827.	poisoning, (39) 184, 386, 586, 587, 787, 788, 886.
field tests in Philippines, (40) 228.	poisoning— by wild onion (40) 577
for Colorado plains, (34) 630. cotton region, (28) 40.	by wild onion, (40) 577. due to Bacillus botulinus, (39) 387.
cut-over lands, (39) 230.	due to Claviceps paspali. (34) 676.
cut-over lands, (39) 230. dry lands, (40) 429. Guam, (40) 327.	Gue to Bacilius botulinus, (39) 387. due to Claviceps paspali, (34) 676. in California, (40) 778. notes, (30) 685; (39) 387, 891, 892. of horses, (28) 499, 587; (31) 87; (36) 280. horses and mules, (33) 880; (34) 661. horses, cattle, and mules, (28) 378. studies, (28) 888; (35) 76; (36) 580, 581; (37) 179, 689; (38) 883, 384; (39) 680. production on lawns and parks, (36) 439. rations for growing horses, (27) 572. use of wild vegetation for, (40) 665. yields, error in determination, (32) 38.
Guam, (40) 327.	notes, (30) 685; (39) 387, 891, 892.
Oklahoma, (31) 829. pigs, (27) 571; (28) 468; (29) 670; (32) 170; (33) 227, 266; (34) 172; (36) 866, 867; (39) 178, 777. pigs in cotton belt, (31) 169.	of horses, (29) 499, 587; (31) 87; (36) 280.
pigs, (27) 571; (28) 468; (29) 670; (32) 170; (33)	horses and mules, (33) 880; (34) 681.
221, 200, (34) 172, (30) 300, 301, (39) 173, 717.	norses, cattle, and miles, (28) 378.
pigs in Pacific Northwest, (31) 470.	Studies, (28) 886; (35) 76; (36) 580, 581;
pigs under southern conditions, (39) 479.	production on lawns and parks (36) 439
western Kansas, (40) 330.	rations for growing horses, (27) 572.
handbook, (29) 530.	use of wild vegetation for, (40) 665.
improvement, (34) 34.	yields, error in determination, (32) 38.
in Barbados, (40) 434. Bombay Presidency, (37) 826.	Forcipomyia n. spp., descriptions, (31) 455.
Brozii (40) 625	forda— formicaria morphology and biology (28) 655
India, (34) 262; (40) 230, 332, 523, 625.	formicaria, morphology and biology, (28) 655. occidentalis, notes, (29) 252.
Nedraska, (40) 521.	spp., notes, (40) 649.
New South Wales, (40) 524.	Forest—
Nigeria, (40) 230.	administration—see also Forestry.
Philippines, (26) 361; (40) 231. Punjab, (27) 669. Queensland, (40) 230. Rhodesia, (40) 230.	in Ajmer-Merwara, (27) 245.
Punjab, (27) 509.	Andamans, (27) 445; (30) 645.
Rhodesia (40) 230	Baden, (26, 49; (29) 239; (30) 743.
South Australia, (40) 524.	Baluchistan, (27) 44; (29) 44; (30) 844. Bayaria, (32) 144.
Tahiti, (28) 266.	British Columbia, (32) 747.
Union of South Africa, (34) 241.	Ceylon, (26) 643.
Union of South Africa, (34) 241. introduction, (32) 793. introduction into Philippines, (27) 537.	Ceylon, (26) 643. Dutch East Indies, (32) 441.
introduction into Philippines, (27) 537.	German East Africa, (27) 245. India, (26) 340; (27) 147, 543, 647; (28) 343, 344, 643; (29) 149, 239, 342, 444, 643; (30) 347, 645; (31) 240, 537, 641; (32) 237,
irrigation experiments, (39) 229. laboratory manual, (30) 696; (34) 598.	10013, (26) 340; (27) 147, 543, 647; (28) 343,
midsummer (39) 532	(20) 247 645- (21) 240, 527 641- (22) 227
native, of Australia, (40) 524. notes, (28) 274.	340, 640.
notes, (28) 274.	Oregon, (32) 747.
on reciaimed swamp. (40) 231.	Oregon, (32) 747. Prussia, (28) 744. Punjab, (27) 245.
production, (39) 737.	Punjab, (27) 245.
production in New York, (39) 532.	Queensland, (30) 347; (31) 744.
residual effects on swine, (33) 266. root systems, (39) 230.	Punjab, (21) 240. Queensland, (30) 347; (31) 744. Saxony, (26) 744; (27) 245, 845; (32) 237. South Australia, (26) 643; (28) 643; (30) 447; (32) 747
rotation experiments, (26) 631.	(30) 447; (32) 747.
seed production in, (26) 436.	various colonies, (32) 47.
seed selection, (36) 638.	various colonies, (32) 47. and farm, manual, (26) 391.
seeding and harvesting dates, (37) 135.	arboretums near Brussels, (35) 146.
sewage for, (26) 716.	area of New England, changes, (39) 144.
temporary, notes, (26) 130. tests, (38) 827.	assessment and survey in New South Wales, (34) 743.
treatise. (28) 632.	associations of Gulf Coast, (38) 145.
utilization in Germany, (27) 669. varieties, (27) 438; (28) 828; (29) 222, 830; (34) 736; (37) 533; (38) 31, 333, 431, 433, 632.	book for boy scouts, (35) 897.
Varieties, (27) 438; (28) 828; (29) 222, 830; (34)	botany of India, (33) 855; (38) 332.
variety tests, (39) 128, 227, 334, 433, 738; (40)	botany, review of literature, (26) 338.
731, 733.	boundaries in Kodiak region, Alaska, (31) 537. catalogue of Mexico, (27) 147.
winter, (38) 735.	climax, of Isle Royale, Lake Superior, (28) 440,
winter, (38) 735. ylelds, (29) 32.	643, 842.
	conditions in—
devices for curing, (30) 191. drying artificially, (27) 277. grasses of India, (39) 231, 234. green, preservation, (28) 464. green, production during entire year, (35) 135. moisture content and shrinkage, (34) 827.	Baden, (26) 643. Chili, (30) 447.
grasses of India, (39) 231, 234.	Europe, (33) 442.
green, preservation, (28) 464.	France, (31) 341.
green, production during entire year, (35) 135.	Europe, (33) 442. France, (31) 341. Harz Mountains, (28) 842.
moisture content and shrinkage, (34) 827.	Hawaii, (31) 640. Indiana, (27) 542.
110162, (50) 131.	Indiana, (27) 542.
plants— and their culture, textbook, (32) 827.	Louisiana, (31) 240. Mississippi, (32) 840.
drought-resisting, analyses, (33) 169.	northwestern Nebraska, (27) 346.
frost injuries, (32) 532.	Nova Scotia, (28) 343.
indigenous to Australia, (26) 830.	Ohio, (29) 746. Rocky Mountain forest reserve, (28) 842.
mountain, of central France, (30) 733.	Rocky Mountain forest reserve, (28) 842.
of Brazil, (36) 529.	the Ozarks, (27) 346. Trent watershed, Ontario, (31) 445.
German East Africa, (28) 364. German Southwest Africa, (27) 871;	western North Carolina, (26) 842.
(32) 167.	western United States, (29) 666.
Hawaii, (32) 731.	Württemberg, (26) 49.
Java, (30) 525; (31) 431.	conservation—
Mexico, analyses, (28) 464. Queensland, analyses, (28) 463.	for the South, (40) 841.
Russia, notes, (28) 364.	in southern pine region, (35) 146. relation to forestry education, (40) 393.
Samara. (37) 168.	COACL—
Sao Paulo, (27) 871. South Africa, analyses, (32) 166.	effect on soil temperature, (31) 415.
South Airica, analyses, (32) 166.	relation to avalanches, (26) 241.
Spain, analyses, (33) 466. Wallowa National Forest, (37) 818.	relation to soil formation, (29) 643. Crater National, description, (26) 240.
specting on ranges (30) 35	debredations and utilization, (36) 297.
varieties, (33) 227. poisoning, see also Cattle, Live stock, Range poisoning, and Plants poisonous.	devastation, effects, (39) 144.
poisoning, see also Cattle, Live stock, Range	devastation, effects, (39) 144. disease surveys, (39) 357. diseases, notes, (31) 343, 746.
poisoning, and Plants poisonous.	diseases, notes, (31) 343, 746.

Throat Continued	Towart Continued
distribution in San Juan Islands, (29) 643.	Forest—Continued. insects—continued.
ecological studies in northern Ontario, (29) 342.	periodic events, (39) 317.
ecology— history of, (35) 811.	treatise, (27) 554. investigations in Dehra Dun, (34) 743.
in southern Appalachians, (37) 45.	lands, State ownership, (38) 349.
notes, (34) 441. review of investigations, (31) 537.	lands, use in common, (33) 893. law, British, (39) 450.
economics, public knowledge of, (31) 340.	law in—
entomology in United States, (27) 858. erosion, relation to ground litter, (30) 743.	America, (37) 836. Argentina, (37) 747.
experiment station—	Massachusetts, (39) 450.
at Cloquet, report, (38) 845. at Meguro, Tokyo, (33) 346.	Nebraska, (37) 649. New York, (28) 248; (37) 244.
experiment stations, administration, (31) 341.	laws in—
experiments on heath land, (35) 242. ploration in Patagonia, (38) 246.	Algeria, (35) 42. America prior to March 4, 1789, (35) 42.
fire—	California, (26) 339.
control forces, organization, (32) 748. detection, map and panarama for, (40) 640.	Canada, (39) 547. China, (36) 347.
law in Oregon, (28) 439; (39) 849. legislation in United States, (34) 441.	Maine, (35) 346. New Hampshire, (35) 42; (36) 744; (37) 547;
protection in Maine, (40) 45.	New Hampshire, (35) 42; (36) 744; (37) 547; (40) 543.
reports, (39) 352, 451, 547.	North Carolina, (34) 642.
aeroplane patrols for, (35) 147; (40) 641.	Ohio, (29) 746. Pennsylvania, (32) 47: (34) 152, 650.
aeroplane patrols for, (35) 147; (40) 641. apparatus for fighting, (36) 448.	Pennsylvania, (32) 47; (34) 152, 650. Vermont, (29) 642. Virginia, (39) 144.
appraising damage to immature timber, (40) 843.	Virginia, (39) 144. West Virginia, (26) 854.
control, (27) 444; (30) 447; (37) 348, 650, 747.	leaves, composition and quantities, (35) 346.
control, (27) 444; (30) 447; (37) 348, 650, 747. control in Michigan, (29) 289. control in Vermont, (29) 643.	litter, effect of removing, (27) 845. longicorn beetles in Australia, (36) 360.
cooperative control, (30) 239.	lookout stations, map and panorama for, (40)
fires, effect on— development of Douglas fir stands, (33) 739.	640. management in relation to disease control,
mature timber, (31) 538	(40) 252.
standing hardwood timber, (29) 44. trees, (27) 348.	map of Brazil, (30) 238. map of British Columbia, (31) 240.
tires	mapping, instruments for, (34) 641.
Eric outlook system, (28) 744. handbook. (39) 352.	measurements— exercises in. (33) 298.
in Canada, (35) 148; (39) 451, 547.	exercises in, (33) 298. phototheodolite for, (32) 340.
handbook, (39) 352. in Canada, (35) 148; (39) 451, 547. Connecticut, (38) 246. Louisiana, (39) 648	reading and replotting curves, in, (33) 739. nurseries—
Massachusetts, (27) 444. New Jersey, (35) 542; (39) 547. New York, (26) 744.	fertilizer experiments, (29) 444; (30) 743;
New York, (26) 744.	(32) 47. in Wisconsin, (36) 744.
North Carolina, (26) 142; (30) 239; (33)	seed-bed practices in, (31) 640. starting, (27) 148.
0regon, (38) 544.	starting, (27) 148. nursery—
North Carolina, (26) 142; (30) 239; (33) 144; (34) 642; (40) 248. Oregon, (38) 544. Pennsylvania, (36) 44; (39) 352. Texas, (36) 44; (38) 145.	planting in Hawaii, (33) 442.
the 110ptcs, (21) 540.	soils, fungus flora. (40) 852. stock, distribution, (26) 543.
United States in 1915, (36) 448; (38) 317.	parks, notes, (29) 746.
Vermont, (34) 837; (36) 539. Washington, (34) 837; (36) 645. insurance, (36) 448; (37) 888.	pathology— in forest regulation, (35) 43.
insurance, (36) 448; (37) 888.	in forest regulation, (35) 43. problems in United States, (38) 355.
insurance in Germany, (27) 94. insurance in Norway, (30) 792.	physiography, treatise, (26) 338. plantation margins, notes, (37) 837.
light burning as a protection against, (34) 441.	plantations—
location by use of clinometer, (33) 739.	at Axton, New York, (38) 348. effect on prairie flora, (33) 739.
notes, (28) 147; (29) 546. prevention, (26) 142, 339; (35) 346, 648.	establishing, (35) 43.
prevention and control, (32) 840.	in Massachusetts, (33) 645. planting—
prevention and control, (32) 840. protection against, (26) 241: (31) 240, 445, 744, 839; (34) 238.	experimental, in Hawaii, (31) 640.
relation to lightning, (28) 50; (37) 512. relation to pine root disease, (27) 854. state laws concerning, (29) 239. fiora of Bengal, treatise, (26) 49. fiora of New South Wales, (30) 446; (39) 145. fungi, altitudinal range, (39) 357. grass, new species, (33) 527. growth, effect on temperature and humidity of air. (31) 415.	in Arizona and New Mexico, (32) 748. Connecticut, (29) 546.
relation to pine root disease, (27) 854.	Connecticut, (29) 546. eastern United States, (32) 541.
flora of Bengal, treatise. (26) 49.	New York, (34) 152; (35) 451. northeastern and lake States, (26) 543.
flora of New South Wales, (30) 446; (39) 145.	Vermont, (33) 342.
grass, new species, (33) 527.	Wisconsin, (35) 242. methods, (33) 738.
growth, effect on temperature and humidity of air, (31) 415.	pamphlet, (40) 542. plantings at high altitudes, climatic factors, (39)
growth, rôle of light in, (37) 45.	810.
humus, use in agriculture, (29) 622. improvement systems, cost, (35) 451.	plants, evaporation and transpiration in, (26) 821.
industry conference at San Francisco, 1915.	plat studies, description, (27) 348.
(35) 148. industry, organization of finance in, (40) 743.	policy of France, evolution, (33) 541.
insects—	 policy, State, (40) 743. practices, effect on soil moisture and humus,
imported in United States, (37) 559. in British Columbia, (32) 551: (37) 459.	Preserve of New York, (34) 347.
Central Europe, textbook, (32) 151.	production, continuous, on private land, (36)
in British Columbia, (32) 551; (37) 459. Central Europe, textbook, (32) 151. India, (36) 355; (40) 259, 260. India, treatise, (32) 351.	744. products—
5 weden, (30) 201.	exports, (28) 90.
notes, (40) 163.	foreign trade in, (34) 194.

Forest—Continued.	Forest—Continued.
products—continued.	surveys—continued
imports. (28) 89.	in the Cotteswolds and the Forest of Dean,
imports and exports, (26) 294.	(30) 239.
imports and exports, (26) 294. in Canada, (35) 347. industries in Canada, (26) 242, 444, 445, 544;	methods, (27) 646. taxation—
	bibliography, (39) 247.
industry in United States, (30) 845. international trade in, (28) 790. of British West Africa, handbook, (26) 189. Canada, (29) 843; (30) 46, 744; (32) 841; (34) 48, 348; (37) 245. Canada, statistics, (38) 146, 147.	in New Jersey, (34) 642.
international trade in, (28) 790.	in United States, (38) 543.
of British West Africa, handbook, (26) 189.	in Washington, (31) 745; (35) 746.
(34) 48, 348; (37) 245	investigations, (27) 646. taxation law in—
Canada, statistics, (38) 146, 147.	Connecticut, (31) 537; (39) 450.
	Massachusetts, (33) 242.
India, guide, (27) 541. Quebec, (37) 148.	Massachusetts, (33) 242. Vermont, (33) 343.
review of investigations, (35) 347.	tent caterpular—see also Tent caterpulars.
statistics, (40) 154.	injurious to cranberries, (33) 352.
utilization in Massachusetts, (40) 45.	notes, (28) 155, 158; (30) 657; (33) 253; (34) 752; (38) 358.
protection—	remedies, (33) 59.
against animals, (35) 851.	tracts, mapping, (37) 651.
costs and values, (35) 43.	trees, see Trees.
handbook, (26) 339. in California, (34) 538.	in central Rocky Mountains, (30) 743.
in Canada, (31) 445.	meteorological factors in. (34) 640.
notes, (26) 643.	of Germany, (27) 42. seed vitality as factor in determining, (39)
papers on, (35) 148. textbook, (35) 648.	seed vitality as factor in determining, (39)
treatise, (31) 143.	145.
trend and practice of, (34) 642.	symposium on, (31) 639. valuation, textbook, (32) 840. valuation, traitise, (30) 146; (35) 240. vegetation as affected by calcium salts, (32) 728
provisions of New York State constitution, (35)	valuation, treatise, (30) 146; (35) 240.
42.	vegetation as affected by calcium salts, (32) 728
ranger course for Southern Appalachians, (37) 199.	workers in Sweden, (37) 890. working plan, (31) 341.
rangers, handbook for, (36) 446.	working plans—
ranges in Wurttemberg, (26) 643.	history and development, (34) 641.
ranges in Wurttemberg, (26) 643. reconnaissance in Philippines and Borneo, (40)	preparation, (32) 46. treatise, (37) 243.
841.	treatise, (37) 243.
reconnaissance surveys, cost accounts for, (30)	yields, relation to climate and soils, (37) 450. zoology, review of literature, (26) 338.
reproduction, natural, (38) 145.	Forestation—
research—	and the partially disabled, (39) 648.
after-the-war, (40) 841.	as a correction of avalanches, (29) 842.
in America, correlation, (37) 44. in Europe, (40) 45.	by seeding in Black Hills, (26) 842.
Institute, Dehra Dun, report, (26) 444; (28)	effect on rainfall, (31) 415. general principles, (28) 439. in dry lands of Chile, (31) 240.
344; (30) 645; (36) 539; (38) 543.	in dry lands of Chile, (31) 240.
program, unified, (40) 743.	England and Wales, (31) 744.
value, (40) 151.	Great Britain, (40) 248. New Zealand, (26) 542; (27) 245.
resources of— Manitoba, (31) 445.	New Zealand, (26) 542; (27) 245. Norway, (38) 544.
Manitoba, (31) 445. Montana, (36) 894. New York, (27) 845. Wisconsin, (28) 141.	southern Hungary, (27) 245.
New York, (27) 845.	Switzerland, (39) 50. the French Vosges, (26) 241.
Wisconsin, (26) 141.	the French Vosges, (26) 241.
rotations, hewn-tie v. saw-timber, (35) 746. schools, intermediate in Austria, (28) 193.	of sand dunes, (26) 543; (38) 348. sand hills of Nebraska and Kansas, (29) 43.
seed beds, charcoal for, (32) 748.	school lands in Nebraska, (34) 347.
seed beds, charcoal for, (32) 748. seed drill, description, (27) 44.	waste lands, (32) 237.
seeding and planting, manual, (35) 543.	studies, (38) 845.
seedlings-	Forester's diploma of English Arboricultural Society, (28) 795.
as affected by shade, (31) 838. board of transplanting, (26) 443.	Forester's training, (37) 243.
normal growing stock in. (32) 144.	Forestiera acuminata, culture for wild ducks, (33)
normal growing stock in, (32) 144. seeds, effects of environment, (28) 543.	251.
seeds, preservation experiments, (26) 51.	Forestry—see also Forest administration. American, Australian study of, (39) 450.
Service, see United States Department of Agri-	and community development, (39) 144.
culture, Forest Service. sites, classifying, (39) 50.	and reconstruction, (40) 743.
sites, classifying, (39) 50. sites, determination, (38) 846.	arithmetic for Vermont schools, (33) 495.
societies in elementary schools of France, (31) 97.	as a pusition (27) 845
species of western Morocco, (26) 643. stands as affected by light and heat, (32) 144.	as a business investment, (35) 452. as a vocation, (27) 845. at National Conservation Congress, (31) 340.
stands, mixed, growth behavior, (32) 144.	at Syracuse University, (23) 496. bibliography, (26) 442, 542; (27) 648; (29) 345; (30) 238; (31) 239; (33) 541.
statistics in Austria, (29) 444.	bibliography, (26) 442, 542; (27) 648; (29) 345; (30)
Statistics of Alsace Lorraine, (30) 45.	238; (31) 239; (33) 541. bureau of Philippines, report, (26) 444.
students, examination in Bavaria, (28) 193.	continuation course at Heidelberg, (32) 896.
succession— and growth in sphagnum bogs, (37) 837.	controlling soil erosion by, (31) 317.
in central Rocky Mountains, (37) 451.	cooperation in. (34) 238.
studies, (34) 537.	cost accounting system, (32) 748. department of Sweden, report, (26) 340.
supervisors, technical education for, (38) 495.	development. (27) 845
survey in—	development, (27) 845. education, (40) 393.
New Brunswick Crown Lands, (40) 841.	education—
Nova Scotia, (29) 342. Redding, Connecticut, (38) 247.	in Austria, (27) 695.
Redding, Connecticut, (38) 247. Sumatra, (34) 239.	in United States, (33) 493; (36) 96. institutions in Sweden, (36)
surveying, textbook, (26) 644.	needs, (27) 596.
surveys-	elementary, lectures on, (33) 49.
Abney hand level and chain in, (33) 843.	elementary, treatise, (40) 151.

Wanted Continued	Torontum Continued
Forestry—Continued. European, notes, (28) 744.	in Pennsylvania. (28) 147; (33) 541; (37) 45;
farm, in Virginia, (39) 546.	Forestry—Continued. in Pennsylvania, (28) 147; (33) 541; (37) 45; (38) 44; (40) 744.
European, notes, (28) 744. farm, in Virginia, (39) 546. farm, notes, (28) 843; (38) 543. field parties, first aid manual, (38) 645. figure in coolings in (21) 640	Philippines, (28) 439; (30) 447; (33) 843; (34) 306; (36) 44; (37) 836; (38) 45, 246; (39) 643; (40) 152.
financial problems in, (31) 640. for high schools, textbook. (33) 298.	(40) 152.
for high schools, textbook, (33) 298.	Portugal, (29) 643.
general principles, (28) 439. geologic-agronomical maps in, (28) 619. handbook, (27) 41; (28) 644; (31) 640. importance of light in, (26) 745.	Prussia, (26) 744; (28) 643; (29) 746; (34) 348. Quebec, (34) 239; (39) 451.
handbook, (27) 41; (28) 644; (31) 640.	Queensland, (33) 51; (34) 239; (36) 346; (38) 145. Rhode Island, (35) 451.
in agriculture, (27) 393.	Rhodesia, (39) 144.
in agriculture, (27) 393. Algeria, (37) 244, 650.	Rhodesia, (39) 144. Russia, (33) 237; (36) 346. Russia, relation to "black storms," (38) 145.
America, (30) 743; (38) 643. Assam, (35) 146.	Russia, steppe region, (34) 536.
Australia, (28) 239; (39) 50, 450; (40) 45. Australia and New Zealand, (37) 244.	Saxony, (29) 746; (32) 47; (34) 743. Sierra Leone, (26) 643.
Australia and New Zealand, (37) 244. Austria, (27) 391; (30) 743.	Sierra Leone, (26) 643. South Africa, (36) 346; (37) 244.
Baluchistan, (38) 846.	South America, (36) 143; (38) 246.
British Columbia, (31) 240; (37) 650. British Empire (33) 145	South Australia, (34) 743; (36) 645; (38) 751; (40) 448.
British Columbia, (31) 240; (37) 650. British Empire, (33) 145. California, (30) 599; (33) 144; (36) 744; (40)	southern Appalachians, (33) 738. southern Nigeria, (26) 542.
744.	southern Nigeria, (26) 542.
Canada, (26) 744; (28) 543; (30) 44, 45; (33) 442, 738, 843; (34) 238, 641; (35) 43, 147, 347; (37) 45, 244, 650; (38) 246, 349; (39) 144, 451 Chaux and Faye de la Montrond, France,	Sudan, (32) 238. Sumatra, (35) 843. Sweden, (26) 744; (30) 645; (35) 146, 242; (39) 352, 547.
(37) 45, 244, 650; (38) 246, 349; (39) 144, 451	Sweden, (26) 744; (30) 645; (35) 146, 242;
(30) 340.	Switzerland, (33) 644; (35) 543; (37) 650.
China, (37) 348.	Tennessee, (26) 812.
colleges and experiment stations, (26) 15. Colorado, (38) 643.	the South. (37) 450.
Connecticut, (29) 546; (31) 341; (35) 42.	Switzerland, (33) 644; (35) 543; (37) 650. Tennessee, (26) 812. Texas, (37) 348, 747. the South, (37) 450. Trinidad, (29) 643.
Colorado, (38) 643. Connecticut, (29) 546; (31) 341; (35) 42. Dehra Dun, (30) 645. Denmark, (29) 693. Deth Fort Police, (20) 607, (24) 220, 742.	Timis (21) 409
Dutch East Indies, (50) 031, (54) 258, 145.	Tunis, Algeria, and Corsica, (37) 650. Uganda, (32) 238; (40) 343. Union of South África, (40) 448. United Kingdom, (39) 245. United State (20) 262 (21) 240 (24) 48, 1537
England, (34) 743. England and Wales, (31) 744.	Uganda, (32) 238; (40) 343. Union of South Africa. (40) 448.
Europe, breeding and selection work in, (34)	United Kingdom, (39) 245.
536. geography (27) 393	U III leu Diales, (80) 200, (81) 840, (84) 40, 182,
geography, (27) 393. Georgia, (36) 790.	(36) 744. Vermont, (26) 744; (28) 643; (32) 237; (34) 837; (36) 539.
Georgia, (36) 790. Germany, (30) 239, 399. Great Britain, (36) 143; (38) 544. Great Britain, (36) 143; (38) 544. Great Britain, government aid to, (28) 595. Great Britain, handbook, (27) 646. Hawaii, (29) 239; (33) 442; (34) 837; (35) 843; (37) 146, 652; (38) 644; (39) 451. Hokushu, Japan, (38) 447. India, (33) 145, 344, 443, 541, 644, 843; (34) 46, 239, 441, 837, 839; (35) 242, 543, 843; (36) 346, 448, 843; (37) 45, 146, 244, 345, 547, 650, 747, 838; (38) 144, 247, 543, 845, 846; (39) 245, 547, 648, 848, 849; (40) 343, 640. Indiana, (33) 144; (35) 42; (37) 44; (40) 45. Ireland, (33) 645; (35) 843. Italy, (30) 844; (40) 841. Japan, (34) 348; (35) 346.	837; (36) 539.
Great Britain, government aid to, (28) 595.	Virginia, (35) 748, 842; (39) 144, 546. Washington, (36) 645. West Virginia, (37) 747. Wisconsin, (28) 643; (31) 444; (36) 744. Institute at Florence, Italy, (32) 794.
Great Britain, handbook, (27) 646.	West Virginia, (37) 747.
(37) 146, 452; (38) 644; (39) 451.	Institute at Florence, Italy, (32) 794.
Hokushu, Japan, (38) 447.	
239, 441, 837, 838; (35) 242, 543, 843; (36) 346,	(31) 392; (32) 290; (35) 895.
448, 843; (37) 45, 146, 244, 348, 547, 650, 747,	Austria and Denmark, (36) 895.
648, 848, 849; (40) 343, 840, 840; (89) 240, 547,	England and Wales. (26) 799.
Indiana, (33) 144; (35) 42; (37) 44; (40) 45.	in Austria, (26) 689, 690; (28) 392; (30) 194; (31) 392; (32) 290; (35) 895. Austria and Denmark, (36) 895. Austria and Germany, (32) 892. England and Wales, (26) 799. Europe, (26) 690. Italy, (30) 194. Latin America, (38) 199. Prussla. (30) 793.
Ireland, (33) 645; (35) 843. Italy, (30) 844: (40) 841.	Italy, (30) 194. Letin America, (38) 199.
Japan, (34) 348; (35) 346. Java, (34) 348.	Prussin, (30) 793. public schools, (30) 394; (39) 92. rurd schools, (28) 193. schools, (31) 792. South Australia, (20) 799. United States, (34) 308. University of Nanking, (32) 699.
Java, (04) 040.	public schools. (30) 394; (39) 92.
Kentucky, (38) 543 Korea, (38) 349.	schools, (31) 792.
Latin America, (34) 306; (38) 246.	South Australia, (26) 799.
Maine, (28) 743; (37) 243; (40) 45.	University of Nanking, (32) 699.
Acrea, (38) 349. Latin America, (34) 306; (38) 246. Louisiana, (28) 146; (39) 450. Maine, (28) 743; (37) 243; (40) 45. Maryland, (35) 648; (38) 144; (39) 50. Massachusetts, (27) 444; (28) 643; (30) 743; (32) 95; (33) 144; (35) 42; (36) 843; (39) 750; (40) 744. Michigan, (27) 248	morai and lengious waiming in, (21) 000.
(32) 95; (33) 144; (35) 42; (36) 843; (39) 750;	standardization, (28) 394. investigations—
(40) 744. Michigan (37) 348	at Colesborne, (28) 440.
Minnesota, (29) 239; (32) 839.	quadrat method in, (33) 645. landscape, lessons on, (36) 897.
Montana, (35) 542; (38) 645; (40) 542.	landscape, lessons on, (36) 897. laws, (39) 144, 450, 547, 849. laws, handbook, (32) 150.
nature study, (26) 193, 392.	laws in Pennsylvania. (27) 355; (32) 47.
Netherlands Indies, (40) 45.	laws in Pennsylvania, (27) 355; (32) 47. legislation, new, notes, (28) 643. lessons in (26) 597; (27) 897.
(40) 744. Michigan, (37) 348. Minnesota, (29) 238; (32) 839. Montana, (35) 542; (36) 645; (40) 542. mountain communities, (36) 242. nature study, (26) 193, 392; Netherlands Indies, (40) 45. New Brunswick, (38) 543; (39) 144. New England, treatise, (27) 646. New Hampshire, (35) 347; (36) 744; (40) 543. New Jersey, (27) 647: (37) 547, 656.	literature, classification, (27) 147.
New Hampshire, (35) 347; (36) 744; (40) 543.	manual, (32) 46; (38) 751.
New Jersey, (27) 647; (37) 547, 650. New South Wales, (26) 141; (28) 51, 439;	manual for northeastern United States, (39) 50.
(34) 838; (35) 346; (40) 640.	meteorological observations in (31) 614. municipal, in New York, (32) 840. museum at Kew, (40) 248. papers on, (32) 238.
New York, (26)744; (27) 845; (33) 843; (40) 343. New Zesland, (27) 647; (36) 44, 448; (28) 247;	museum at Kew, (40) 248.
New England, Teanse, (27) 640. New Hampshire, (35) 347; (36) 744; (40) 543. New Jersey, (27) 647; (37) 547, 650. New South Wales, (38) 141; (28) 51, 439; (34) 838; (35) 346; (40) 640. New York, (26) 744; (27) 845; (33) 843; (40) 343. New Zealand, (27) 647; (36) 44, 448; (38) 247; (39) 144; (40) 152. New Youndland, (35) 649. North Carolina, (38) 543. Nyasaland, (34) 743. Ohio, (26) 744; (32) 440.	photogrammetry in, (26) 141. place among natural sciences, (32) 237, 810.
Newfoundland, (35) 649.	place among natural sciences, (32) 237, 810.
Nyasaland, (34) 743.	present-day problems, (40) 151. primers, (27) 598. primeiples of, (26) 842. private, (40) 744.
Ohio, (26) 744; (32) 440.	principles of, (26) 842.
Ontario, (35) 242; (37) 244. Oregon, (28) 439; (32) 237; (35) 542; (38) 544. Pacific Northwest, handbook, (26) 49.	private, (40) 744. problems, Canadian, (40) 743.
Pacific Northwest, handbook, (26) 49.	problems, Canadian, (40) 743. publications in U. S. Department of Agricul -
Patagonia, (37) 747.	ture, (28) 147.

0020202	200
Forestry—Continued. pursuits, monograph, (40) 898. ranger schools, notes, (28) 394. review of literature, (26) 338; (27) 845; (30) 44, 238; (33) 49. school at Selmeczbanya, Hungary, (28) 794. schools in Bavaria, (35) 695. scientific, for Latin America, (40) 248. site classification in, (35) 43. soil aeration in, (36) 44, 844; (39) 648. tables for determining profits, (32) 748. teaching by pictures, (26) 193. terms, (31) 840; (36) 744. textbook, (27) 95; (28) 193; (32) 692; (36) 596. theory of errors in, (30) 599. treatise, (26) 140, 338, 542; (27) 42, 444; (30) 44, 742; (31) 49; (35) 240, 346, 841; (36) 242. yearbook, (34) 494. yield tables, (27) 347. Forests— Alpine, management in Bavaria, (29) 842. as affected by— light burning, (34) 441. origin of seed, (29) 841; (30) 239; (31) 838. as check for avalanches, (26) 241. as windbreaks, (29) 842. brush disposal in, (34) 441. climatic formations in Cape Breton Island, (40) 152. close utilization, (36) 539. community, development, (40) 744. composite type, management, (29) 43. coniferous— of eastern North America, (31) 839. reproduction, (39) 750. reproduction in northern New England, (37) 651. thinning experiments, (31) 537. conservation— and reconstruction, (40) 743. by private land holders, (28) 842. in British Columbia, (30) 45. in Eastern States, (28) 842. in United States, (26) 842.	Forests—Continued. National—Continued. management, (36) 346. manual, (26) 241, 340. nursery practice in, (37) 348. of Arkansas, (27) 443. Eastern United States, (37) 348. Pacific Northwest, working plans, (26) 51. southern Appalachians, influences, (40) 341. United States, (34) 46. planting policy in, (40) 743. range reconnoissance on, (33) 843. recreation uses, (40) 542. reforestation, (33) 645. roads ini, (40) 90. sales policy, (29) 444. statistical report, (40) 447. stumpage appraisals, (37) 538. summer homes in, (38) 744. telephone construction in, (34) 191. timber surveys, (38) 349. trail construction in, (34) 190. use, (33) 242, 541; (39) 750. volume tables, (37) 450. water supply from, (40) 743. work of Forest Service on, (39) 648. working plans, (31) 341; (34) 441. yield regulation data for, (31) 639. natural regeneration in, (29) 842. Nematus injury in, (35) 55. nitrification of soils, (40) 415. of Alabama, (29) 746; (35) 745; (36) 843. Alaska, (34) 640. Alsace-Lorraine, (26) 744; (40) 248. Atlantic plain, relation to humidity of Central States, (29) 642; (31) 716. Bellinger River, New South Wales, (30) 743. British Guiana, (28) 348. Care of Good Hone, (28) 239.
composite type, management, (29) 48. coniferous— of eastern North America, (31) 839. reproduction, (39) 750. reproduction in northern New England, (37) 651. thinning experiments, (31) 537. conservation, (36) 644.	Nematus injury in, (35) 53. nitrification of soils, (40) 418. northern hardwood, (34) 152. of Alabama, (29) 746; (35) 748; (36) 843. Alaska, (34) 640. Alsace-Lorraine, (26) 744; (40) 248. Atlantic plain, relation to humidity of Central States, (29) 642; (31) 716. Bellinger River, New South Wales, (30) 743. British Columbia, (34) 641. British Guiana, (23) 343. Cape of Good Hope, (28) 239. Chile, (33) 144. Colorado, (37) 209. Crater National Park, (35) 748. East Africa, (40) 152. Eritrea, (26) 643. Fronce, effect of the war on, (40) 152. Guindos hacienda in Chile, (35) 842. Isthmus of Panama, (38) 344. Java, (34) 239. Java and Madura, (37) 346. Kongo, (38) 247, 248. Madagascar, (31) 839. Maryland, Anne Arundel Co., (34) 440. Maryland, Anne Arundel Co., (36) 447. Messachusetts, Plymouth Co., (39) 450. Massachusetts, Plymouth Co., (36) 447. Mess Verde National Park, (35) 648. Mexico, (35) 242. Montana, winterkilling and smelter injury in, (26) 826. Mount Rainier National Park, (35) 451.
water, (27) 121, growth studies, (35) 841. Hawaiian, notes, (28) 842. high mountain, management, (31) 49. hygienic influence, (29) 842. injury from coal smoke, (33) 629. insects affecting, (26) 535; (27) 452; (28) 159, 352, (30) 657; (32) 448; (34) 251; (35) 356, 851. irrigation with sewage water, (33) 343. light measurements in, (30) 45. miniature model, (30) 196. National, (39) 648, 750. National— appraising stumpage on, (32) 340. as hunting grounds, (40) 743. conservation of game in, (38) 555. grazing resources, (31) 767; (36) 242. handbook for campers, (34) 46. landscape engineering in, (40) 248. laws applicable to, (34) 837.	northern Manitoba, ecological features, (38) 732. northern Russia, (28) 239. Oregon, conservation, (26) 240. Pennsylvania, (36) 843. Philippines, (28) 343; (36) 644; (39) 145.

Forests-Continued.	Formaldehyde-Continued.
private, management in New York, (35) 452.	effect on—continued.
public, state v. national control, (29) 491.	germination of seeds, (26) 131, 820.
rain, in Jamaica, (32) 748.	germination of seeds, (26) 131, 820. germination of wheat, (26) 846; (28) 242; (30)
regeneration in Austria, (30) 447.	242, 837.
regeneration in north Sweden, (31) 537. relation to—	living plants, (29) 827. plants, (26) 731.
atmospheric and soil moisture, (36) 843;	potatoes, (30) 539, 540.
(37) 716.	protein hydrolysis, (38) 201.
conservation of snow, (27) 617; (28) 414, 514;	soil organisms, (31) 27; (38) 420.
(36) 17, 143. European war (38) 643	gas, liberation from water solutions, (33) 12, 111. gas, use against flies, (30) 757.
floods, (31) 515; (32) 237.	house disinfection with, (32) 683.
European war, (38) 643. floods, (31) 515; (32) 237. ground water, (29) 240.	in Adamkiewicz reaction, (40) 507.
nalistorms, (31) 22.	in sap of green plants, (29) 132. method of generating, (39) 649.
rainfall, (36) 346; (38) 510.	method of generating, (39) 649.
run-off and stream flow, (28) 643. soil erosion, (37) 520.	nature and use, (26) 580. oxidation to formic acid, (35) 713.
soil formation, (28) 421.	preserved milk for calves, (32) 669.
soils, (38) 542.	rôle in plant growth, (28) 38.
stream flow (26) 51; (33) 885; (36) 346. water supply, (28) 842.	solution, effect on potatoes, (27) 748.
reproduction as affected by fires, (27) 348.	sterilization of soils by, (32) 816. sulphurous acid, detection, (32) 507.
second-growth, improvement, (39) 246.	synthesis by sunlight, (30) 129.
selection—	use against—
regulating yield in, (28) 744. strip method of felling, (27) 444; (35) 346. system, (29) 240; (30) 844.	bloat in cattle, (33) 389. Fusarium in cereals. (33) 546.
system, (29) 240; (30) 844.	mastitis, (37) 277; (38) 286.
system, formula for normal growing stock	mastitis, (37) 277; (38) 286. potato diseases, (26) 547.
in, (33) 738.	potato wart disease, (33) 440.
site determination and classification, (37) 450.	wheat stinking smut, (33) 744.
smelter injury, (29) 851. soil types for, (34) 640.	Formalin, see Formaldehyde.
State administration, (40) 688.	Formalinized blood corpuscles, use in complement
State, in Pennsylvania, (35) 452.	use in seed treatment, (39) 851. Formalin, see Formaldehyde. Formalinized blood corpuscles, use in complement fixation test, (30) 779. Formanid, assimilation by plants, (26) 32.
strip thinnings, (26) 51. subdivision of, (33) 442	Formic acid—
sun energy in, (30) 45. taxation, (27) 646; (38) 146.	as food preservative. (30) 364.
taxation, (27) 646; (38) 146.	as fruit sirup preservative, (29) 463. content of vinegar, (27) 808; (29) 798. detection, (27) 498; (32) 508, 507.
thinning experiments, (28) 744. Tintern crown, management, (33) 645.	content of vinegar, (27) 808; (29) 798.
tolerance studies, (40) 152.	detection in—
topographic survey methods, (35) 841.	food products, (28) 806; (29) 799.
treatise, (28) 544. tropical, timbers of, (39) 245.	fruit products, (28) 204.
tropical, utilization, (36) 145.	meat, (29) 716.
utilization with portable mills, (34) 642.	sirups, (29) 717. vinegar, (26) 208.
windfall damage in, (34) 640.	determination, (26) 510; (31) 509; (32) 115; (33)
windfall in, (33) 843. yield tax, basis for, (38) 46.	804.
yields, determination, (27) 647; (31) 538.	determination in— foods (26) 312; (28) 863.
Forficula auricularia—	foods (26) 312; (28) 863. preservatives, (32) 299.
feeding habits, (32) 246. in Rhode Island, (32) 247.	effect on plants, (37) 224. in honey, (26) 25; (27) 714; (28) 166. in silage, (28) 608, 609.
life history, (36) 857.	in silage, (28) 608, 609
life history and remedies, (38) 56.	or formates, determination, (38) 313.
notes, (39) 464; (40) 753. Forget-me-not, culture in Alaska, (29) 743.	toxicity to plants, (39) 224.
Forging and smithing, handbook, (36) 287.	Formic aldohyde as soil disinfectant, (31) 621. Formica—
Forhin—	fusca cinerea, injurious to tobacco, (30) 759.
analyses, (28) 154.	montanus, notes. (28) 755.
tests, (30) 448. Forleule, outbreak in northern Bohemia, (31) 756.	Formicencyrtus thoreauini n.g. and n.sp., de
Formaldehyde—	scription, (35) 761. Formleidae—
analyses, (33) 735.	of Guam, (31) 62. of Italy, (38) 364. of South Africa, (35) 365.
as blood preservative, (29) 676.	of Italy, (38) 364.
fly poison, (37) 53. food preservative, (30) 364.	of South Africa, (35) 365. studies, (29) 860.
milk preservative, (30) 74; (31) 674.	type species. (26) 352.
oxidation product of chlorophyll, (31) 222.	Formol. titration, (29) 408.
serum preservative, (33) 280.	Formyl group, occurrence in lignin, (27) 310.
source of carbon for plants, (35) 821. treatment for seed grain, (28) 846.	Forsythia— suspensa, leaf variation in, (27) 741.
destruction of flies by, (26) 861.	viridissima, selerosis of, (36) 251.
detection, (32) 506. detection in—	Fortunella n.g. and n.spp., descriptions, (32) 838,
illuminated green plants, (35) 821.	Fossil ruminant from Rock Creek, Texas, (34) 284. Foul brood—
milk, (28) 809; (30) 414; (40) 413.	control. (39) 264, 869.
plant leaves, (29) 308.	control, (39) 264, 869. control in Kansas, (37) 357.
determination, (26) 510; (30) 115; (31) 109; (35)	control in Texas, (36) 758.
616. determination in fumigants, (31) 414.	etiology, (27) 563. European, control, (39) 661.
disinfection with, (26) 174.	European, in South Africa, (40) 648.
effect on—	in Cuba. (27) 364.
action of maltase, (28) 504. animal organism, (34) 459.	in South Airica, (40) 648.
bacterial toxins, (26) 782.	notes, (26) 151, 759; (28) 352, 450, 456; (30) 161.
formation of botulinus toxins, (30) 479.	759; (31) 553; (32) 853; (37) 255.
germination of cereals, (29) 151, 346. germination of dodder, (27) 28.	estology, (27) 563. European, control, (39) 661. European, in South Africa, (40) 648. in Cuba, (27) 364. in South Africa, (40) 648. law in Texns, (34) 454, 657; (39) 860. notes, (26) 151, 759; (23) 352, 450, 456; (30) 161, 759; (31) 553; (32) 853; (37) 255. recognition and treatment, (38) 264. treatment, (38) 263; (39) 889.

Foundations, masonry, preventing dampness in,	Fowls—Continued.
(28) 786.	fat deposition in testes, (28) 470.
Fouquieria spiendens— density of cell sap, (32) 35.	fecundity in, (32) 76, (34) 870. fecundity in, inheritance, (28) 576, 577; (33) 471;
water content of leaves, (26) 627.	(39) 781.
Fowl—	formation of silky and woolly feathers in, (28)
cestode, life cycle, (40) 359. cholera. (40) 183.	577.
cholera—	germ cells as affected by poisons, (37) 370. germ cells, experimental modification, (39) 177.
and fowl typhoid, (40) 685.	gonadectomy and secondary sex characters,
bacillus affecting man. (39) 186.	(38) 170
bacterium, opsonic power of serums against, (27) 285.	gonocytes and ovaries, studies, (29) 874.
immune serum. action, (32) 379.	growing, as affected by calcium salts, (39) 177. healthy and sick, blood cells of, (31) 586.
immune serum, protective substances of,	histology and physiology of pineal gland, (29)
(30) 186.	168.
immunization, (26) 676; (37) 78, 83, 183. notes, (26) 373; (35) 878.	immunization against spirochetosis, (29) 588. impaction of crop, (30) 381.
pathological anatomy, (26) 486.	inbreeding experiments, (35) 564; (36) 870.
serum therapy of, (26) 578. studies, (27) 583; (31) 485, 781; (33) 676;	inheritance—
(35) 80; (39) 183, 892.	in, (35) 867. of fecundity in, (28) 576, 577; (33) 471; (39)
treatment, (30) 286; (36) 79.	781.
diphtheria, relation to fowl pox, (28) 483.	plumage characters in, (29) 466.
disease in Brazil, (36) 782. diseases, cholera-like, studies, (26) 185.	plumage color in, (26) 670.
diseases, notes, (37) 483.	spangling in, (38) 275. insect parasites of, (29) 253.
midge, notes, (36) 359. mite, tropical, in Australia, (37) 360.	Killing loss in, (34) 179.
mite, tropical, in Australia, (37) 360.	labor requirements, (36) 790.
nematode, transmission, (30) 485; (36) 183; (38) 83.	long-tailed Japanese, description, (27) 472. lutear cells and hen-feathering in, (40) 665.
pest, immunization, (36) 879.	mating habits, (40) 671.
pest, notes, (28) 288.	mating habits, (40) 671. microfilaria of, (26) 588.
pest, transmission by Argas persicus, (26) 890. pest, virus of, (28) 785.	molting, (37) 774.
plague—	morphology of blood, (28) 777. nematodes affecting, (31) 184.
in ducks, (36) 782.	new cestode parasites of, (33) 775.
in Prussia, (27) 181. notes, (26) 373.	Orpington, handbook, (26) 270.
virus, cultivation, (29) 180.	Orpington, secondary sexual characters in, (26) 774.
putrefaction of, (34) 163.	ovarian infection of, (35) 683.
tick, see Argas miniatus.	ovaries, studies, (40) 664.
typhoid— begilling studies (32) 477 478	ovariotomized, development, (35) 171.
bacillus, studies, (32) 477, 478.	paralysis in, (28) 185. pedigreeing, (38) 577.
causative agents, (40) 685. studies, (35) 283; (37) 82; (38) 788.	pellagrous symptoms in, (26) 486.
testing for, (39) 792.	permeability of ovarian egg membranes, (26)
Fowls—see also Chickens, Hens, Poultry, etc. acorns for, (35) 172.	pigmentation, (39) 74, 781, 877.
activating resting ovary in, (33) 472.	pigmentation and egg production, (38) 276.
alcoholized, (39) 177.	pigmentation in feathers of, (38) 171.
alcoholized, progeny, (40) 470. anatomy, (37) 772; (40) 483.	plumage patterns in, (33) 75.
and pheasants, hybridization experiments, (29)	Plymouth Rock, barred color in, (29) 372. Plymouth Rock, inheritance of color pattern
575.	and pigmentation in, (37) 370.
bare-necked and crested, studies, (28) 673.	protozoan organisms in rectal and cecal con- tents of, (26) 684.
blue Andalusian, pigmentation, (39) 877. bone repair in, (38) 385. breeding experiments, (26) 669; (32) 767; (37)	relation between gonads and some, (37) 868.
breeding experiments, (26) 669; (32) 767; (37)	relation to tuberculosis in pigs, (29) 479; (34)
309, 309; (39) 370, 731.	277.
breeding for egg production, (29) 472; (32) 172; _(38) 172; (39) 781.	reproduction in, (26) 670; (31) 170; (32) 670; (33) 74, 96, 471, 472; (34) 668; (36) 73; (37)
Campine—	(33) 74, 96, 471, 472; (34) 668; (36) 73; (37) 371; (38) 372.
and Brackel, characteristics, (27) 72.	resistance against anthrax, (27) 378.
notes, (30) 271. treatise, (33) 273.	resistance to puss-forming organisms, (39) 393. retention of amino acids by, (33) 172.
chromosomes of, studies, (40) 276.	Rhode Island Red—
correlation of weight and egg production, (27)	broodiness in, (37) 869. monograph, (26) 270.
276. cost of feeding, (37) 871.	monograph, (26) 270. notes, (29) 574.
crooked-breasted, (27) 573; (32) 772.	rotation of blood plasma and serum in, (29)
crossbreeding experiments, (32) 868.	881.
crossing experiments, (32) 172. crossing with pheasants, (27) 573.	rumpless, occurrence and origin, (26) 573.
crossing with pheasants, (27) 578.	rumpless, sterility in, (26) 878. secondary sex characters in, (33) 573; (34) 870;
domestic, castration, (33) 573.	(40) 871.
domestic, origin, (26) 609; (31) 871.	selecting and mating for egg production, (37)
eating of alfalfa caterpillar by, (32) 58. ectoparasites of, (28) 888.	71. selection for egg production, (33) 271.
effect of age on fecundity, (38) 372.	serum proteins of, (32) 861.
effect of castration on erectile organs, (38) 170.	sex differences in blood, (37) 773.
egg characteristics of, (31) 569.	sex sequence, (39) 781. sex studies, (39) 177.
egg-laying cycles, (37) 869. egg-laying cycles as basis for selection, (38) 172.	Sex-Inkage III. (27) 275.
egg production and yellow pigment in, correla-	shank color, histological basis, (32) 263.
tion, (33) 172.	spring molt, (37) 96.
eggshell color, (39) 781. energy metabolism of, (33) 472.	sterility in, (33) 74. summer sickness of, (34) 178.
factors affecting sex ratio, (37) 868.	telegony in, (32) 263.
fat content of tubercles, (28) 785.	testing genetically, (38) 775.

Fowls-Continued.	Fritillaria, rusts of, (38) 548.
toxicology experiments, (40) 587.	Frivaldzkia distincta, studies, (39) 659.
variation in, (39) 781. vitality as affected by lead, (32) 861.	Frog meat, detection in turtle meat, (26) 111. Frog tongue, notes, (40) 283.
wattle disease of, (31) 782.	Frogbit, culture for wild ducks, (33) 251.
White Leghorn—	Froghopper—
barred plumage pattern in, (29) 471; (30)	egg parasite, notes, (30) 251. _ nymphs, parasite of, (30) 457.
	Froghoppers—
barring factor in, (34) 177. pigmentation in, (32) 671; (33) 273.	life history, (36) 458. notes, (27) 859; (30) 250, 251, 754.
white-faced black Spanish, notes, (26) 772.	110tes, (27) 859; (30) 250, 251, 754.
xenia in, (33) 471. Fox diseases, notes, (34) 734.	studies, (28) 556.
Fox farming in Canada, (28) 673.	Frogs— as affected by temperature, (34) 751; (35) 851.
Foxes—	common leopard, feeding habits, (31) 349.
black and silver, care and management, (31) 770.	eating of alfalfa weevil by, (31) 655. immunity against anthrax bacillus, (29) 378.
blue, of St. Paul and Otter Islands, Alaska (28)	in Pennsylvania, (31) 648.
570.	metabolism experiments, (30) 563.
care and feeding in captivity, (36) 275. domestication, (27) 174.	morphology of blood, (28) 777.
raising in—	of Long Island, (32) 448.
captivity, (38) 577.	parasites found in, (28) 257.
eastern Canada and United States, (29) 673.	Frontina— archippivora, notes, (27) 656; (29) 356.
Prince Edward Island, (29) 774.	spectabilis n. sp., description, (34) 855.
relation to anthrax, (30) 780. silver, raising, (34) 180; (37) 156. susceptibility to infectious bulbar paralysis,	Frost-
susceptibility to infectious bulbar paralysis,	as affected by forests, (27) 816.
(33) 179, Forgloves—	at San Diego, (27) 115.
breeding experiments, (27) 741; (37) 649.	belts of Nevada, (27) 240. chance of, (36) 418.
inheritance in, (36) 729.	conditions in cranderry marsnes of wisconsin,
Foxtail—	(26) 514.
bacterial disease. studies, (40) 643. feeding value (38) 168.	conversion table, (27) 616. cracks on trees, studies, (28) 330.
meadow, root systems of, (35) 639.	dates in Illinois, (39) 319.
millet, notes, (26) 362.	effect on—
Fracchiaea depressa n.sp. on Hevea, (39) 452.	barley, (27) 560.
Fractionating apparatus, description, (39) 414. Fracto-cumulus and beach fog, (34) 118.	corn, (30) 138. cyanogenetic compounds of sorghum, (37)
Francoa elegans n.g. and n.sp. on roses in Italy,	109.
(38) 463.	forage plants, (32) 532.
Frankliniella— floridana n. sp., description, (40) 353	germination of seeds, (35) 632. grafted vines, (31) 47.
floridana n.sp., description. (40) 353. insularis in Trinidad, (40) 649. melanommatus n.sp., description, (31) 59.	parthenogenic blossoms, (26) 540.
melanommatus n.sp., description, (31) 59.	plants, (31) 34.
morrum n.sp. on apricot, (40) 853.	seed germination, (29) 421.
robusta, notes, (31) 59; (32) 848. tritici, see Wheat thrips.	soils, (29) 212. vegetation, (27) 523.
tritici projectus n.var., studies, (37) 561, 659.	fall, (35) 808.
Franklinothrips—	fighting, (27) 414, 816; (28) 639; (29) 121, 147. forecasting, (35) 505; (36) 17; (38) 209; (39) 46;
spp. in Trinidad, (40) 649. tenuicornis n.sp., description, (34) 62.	(40) 117.
Franseria—	forecasting-
deltoldea, root system, (27) 329.	for cranberry growers, (27) 539.
dumosa, root systems, (30) 827. Freemartin, Hunter's, notes, (33) 668.	in North Pacific States, (29) 120.
Freemartins—	glazed, formation, (32) 25. in California, (29) 121.
development, (39) 575.	East Indies, (35) 719.
notes, (40) 873.	Kentucky, (38) 208.
studies, (40) 466. theories concerning, (35) 169.	East Indies, (35) 719. Kentucky, (38) 208. Maryland and Delaware, (30) 814; (31) 614. New York, (27) 719.
Freezes of November, 1911, (26) 614.	
Freezing-	United States, (34) 414; (38) 415; (40) 209. valleys and on slopes, (36) 718.
effect on— composition of milk, (27) 473.	western Colorado, (29) 510
composition of oranges and lemons, (34) 365.	western Colorado, (29) 510. injury, mechanism, (40) 26. injury to cereals, studies, (31) 541, 542. injury to fruits, notes, (29) 147; (31) 130. injury to plants and fruits, (40) 741.
Cysticercus bovis, (32) 880.	injury to cereals, studies, (31) 541, 542.
herbaceous plants, (33) 428. nitrate formation in soils, (30) 23.	injury to fruits, notes, (29) 147; (31) 130.
plants, (27) 523; (31) 34, 130.	leaf injury or loss due to. (35) 243.
soils, (26) 618.	leaf injury or loss due to, (35) 243. penetration of soils by, (26) 619. point, investigations, (35) 318.
surface area of soils, (32) 318.	point, investigations, (35) 318.
trees and shrubs, (28) 824. germicidal effect, (34) 382.	prevention, (27) 240. prevention in orchards, (38) 641.
point of saps, depression, (31) 221.	protection—
protection of plants against, (28) 330, 630.	against, (27) 421; (29) 616; (32) 811; (34) 319.
Freight rates— on agricultural products, (34) 392.	341, 509; (35) 15. heater and vaporizer for, (27) 414, 439.
on inland waterways. (32) 391.	in United States. (35) 318.
Frenatae, key and bibliography, (26) 859. Frequency distributions, constants in (36) 167.	in United States, (35) 318. of almonds from, (27) 345.
Frequency distributions, constants in (36) 167.	citrus groves from, (32) 541.
Freshet in Williamette River, (27) 316. Freshets in Savannah River, (31) 213.	fruits from, (27) 509.
Frijoles, studies, (28) 639.	lemons from, (27) 439. mamme capriligs from, (27) 616.
Frit fly—	orchards from, (28) 136.
attacking corn, (34) 454.	truck crops from, (26) 214.
injurious to summer-sown crops, (34) 360, 449. notes, (27) 552, 560; (33) 554, 657; (38) 257, 460.	papers on, (32) 614. processed fabrics in, (33) 48.
summery of information (40) SSD	studios (27) 318 RIG

Frost—Continued.	Fruit-Continued.
relation to— atmospheric humidity, (33) 806.	bud formation—continued.
temperature inversions, (34) 715.	relation to water supply, (35) 142, studies. (33) 44, 735, 837, 838; (39) 346, bud sports in, (34) 740.
topography, (28) 414; (36) 17. rings on pears, (28) 214, 244.	bud sports in, (34) 740. bud weevil, notes, (36) 58.
spring, in eastern United States, (38) 717.	buds
studies, (27) 816; (28) 415; (29) 510, 511. warnings, (35) 808.	analyses, (31) 836.
zones in United States, (39) 139	emasculating, (27) 537. freezing, (37) 344.
Frosted scale, notes, (26) 149.	resistance to frost, (30) 839.
Frostfish, analyses, (28) 459.	setting, (29) 339. winter injuries, (29) 41.
Fructose— antiscorbutic potency, (40) 464.	bug, harlequin, notes, (40) 753.
bromination as affected by catalyzers, (40) 613.	bug, Rutherglen, notes, (40) 753. butters, preparation, (38) 317.
determination, (26) 709. determination in presence of aldoses, (40) 507,	by-product, manufacture, (34) 207.
613.	canker, cause, (26) 448. canker, studies, (36) 250.
specific rotation of, (29) 715. a-5-Fructose pentacetate, notes, (34) 408.	canned—
Fruit—	analyses, (35) 558. and preserved, industry in United States.
acclimatization and breeding in Alaska, (40)	(31) 67.
446. acclimatization tests, (39) 241.	culture volumeter for organisms from, (39)
acid content, (32) 110; (37) 714.	examination, (28) 400.
acids of, identification, (40) 13.	inspection, (27) 565.
acreage and values in California, (40) 538. acreage in Washington, (40) 340.	market standards, (39) 717. poisoning from, (37) 670.
American, foreign markets for, (31) 44.	production and distribution, (40) 461.
American, markets for, (30) 295. analyses, (26) 45.	production and distribution, (40) 461. "springing" of tins, (40) 208. swelling of tins, (40) 764.
and ituit products, methods of analysis, (33) 258,	canning, (32) 253, 680; (33) 697, 805; (34) 714; (36) 509; (38) 12, 94, 208, 867; (39) 208, 317, 614.
and seeds, treatise, (27) 729. animals injurious to, (26) 452.	509; (38) 12, 94, 208, 867; (39) 208, 317, 614.
anonaceous in California, (27) 242.	and preserving, (28) 209, 660, 694; (33) 318;
anonaceous in California, (27) 242. anonaceous, propagation, (27) 537. aphidid pests of, (31) 250.	and preserving, (28) 209, 660, 694; (33) 318; (35) 419; (36) 113; (38) 114, 715.
arsenic in, (27) 269.	drying, and storing, (39) 418. in the home, (35) 558.
as a food essential, (38) 298.	in the home, (35) 558. industry in New Jersey, (32) 65.
as affected by— fertilizers, (28) 144.	on the larm, (33) 18. treatise, (36) 717.
ngn exclusion, (39) 541.	car-lot distribution, (40) 489.
low temperature, (27) 461. rainfall in Norway, (40) 810.	on the farm, (33) 18. treatise, (36) 717. car-lot distribution, (40) 489. car-lot shipments in 1916, (39) 748. certificated by Royal Horticultural Society,
ash analyses, (29) 861.	(81) 840.
associations, accounting system for, (33) 191, 192. at Agronomic Experiment Station, Santiago de	cheese, preparation, (31) 315. chlorosis, treatment, (26) 749; (27) 651; (28) 447;
las Vegas, Cuba, (34) 437. at Belle Fourche experiment farm, (33) 837.	(30) 749.
at Belle Fourche experiment farm, (33) 837. at Horticultural Gardens, Lucknow, (37) 646.	oitrus, see Citrus fruits. cold storage, (27) 441; (28) 591; (29) 745; (30) 640;
auction sales, (40) 489.	(36) 649.
auction sales, (40) 489. auctions in New York, (34) 490. bark beetle, notes, (32) 550.	coloring matters of, (32) 297, 309. composition as affected by irrigation, (29) 236.
bark beetle, studies, (31) 852.	conservation, (36) 615, 743, 744.
bark spot, brown, studies, (40) 449.	conservation by stoning and pulping, (36) 717.
basket, handling, (37) 647. baskets and containers, standards for, (35) 598.	containers and loading rules, (39) 843. cooking, (28) 693.
belt of Michigan, (39) 320.	cooperative companies in Nova Scotia, (33) 639.
black rot. studies. (36) 250.	cost of production, (33) 694. critical months, (39) 811.
blanching, (29) 867.	crown gall, notes, (40) 53.
belt of Michigan, (39) 320. belt of Michigan, (39) 320. bibliography, (27) 144. black rot, studies, (36) 250. blanching, (29) 867. blooming dates, (31) 533; (32) 535; (33) 639; (35) 644; (30) 337; (39) 745; (40) 44. blooming dates and yields, (30) 442. blossom bedilist notes (40) 749.	culture, (26) 741; (27) 438; (28) 437; (29) 745, 840; (32) 751; (36) 743, 744, 897; (38) 298; (39) 240.
blooming dates and yields, (30) 442.	culture—
blossom bacillus, notes, (40) 749. blossom bacterial—	booklet, (38) 446. clubs in Kentucky, (26) 496.
blight, (40) 844.	clubs in Kentucky, (20) 496. experiments, (26) 740; (27) 343, 438, 638, 842; (28) 142; (29) 235, 540; (30) 441, 442; (31) 441; (32) 337, 437, 539; (33) 236, 338, 735; (34) 231, 635; (36) 39; (37) 241, 646, 748, 744, (32)
disease, investigations, (33) 148.	(28) 142; (29) 235, 540; (30) 441, 442; (31)
disease, notes, (32) 148. blossoms—	(34) 231, 635; (36) 39; (37) 241, 646, 743, 744,
frost injury, (40) 741.	\$32; (35) 441, 641; (39) 139, 444, 445, 644, 843; (40) 444, 741.
parthenogenesis among, (26) 540. pollination and setting, (28) 237.	for home use, (40) 742.
bottling and preserving, (31) 315.	handbook, (26) 45.
breeding experiments, (27) 343; (29) 235; (32) 338, 437, 539, 834; (33) 735; (36) 39; (37) 647,	Argentina, (35) 837.
832, 833; (38) 641; (39) 644.	Arizona, (32) 232.
brown rot, investigations, (38) 852.	California, (32) 28; (35) 142.
breeding experiments, (27) 343; (29) 235; (32) 338, 437, 539, 834; (33) 735; (36) 39; (37) 647, 832, 833; (38) 641; (39) 644; brown rot, investigations, (38) 852. brown rot, notes, (39) 652, 752. bud development, (31) 335; (35) 837; (37) 744; (39)	Canada, (32) 743.
100) (720.	handbook, (26) 45. in Alaska, investigations, (40) 446. Argentina, (35) 837. Arizona, (32) 232. Brazil, (36) 743; (38) 142. California, (32) 28; (35) 142. Canada, (32) 743. Ceylon, (39) 845. Chile, (37) 544. Dutch East Indies, (30) 697. East Africa Protectorate, (32) 141.
bud formation, (29) 437; (37) 343, 646. bud formation—	Dutch East Indies, (30) 697.
and development, (28) 639.	East Africa Protectorate, (32) 141.
as affected by nitrogen, (29) 539. as affected by root injections, (27) 538.	England, (35) 74I. France, (32) 338.
in interior valleys, (36) 139.	Germany, (30) 442.

52831-26†---17

The de Continued	Fruit—Continued.
Fruit—Continued. culture—continued.	dusting, (38) 358.
in Great Plains area, (35) 446.	dusting calendar, (39) 149.
Guam, (30) 41.	dusting experiments, (39) 855; (40) 246. effect on composition of urine, (31) 761.
Guam, (30) 41. Guiana, (31) 391. India, (27) 537.	essences, manufacture, (26) 117.
	ethers, character and uses, (30) 258.
Lucknow, (34) 232. New South Wales, (31) 636.	ethers, natural and artificial, differentiation, (26) 506.
Paraguay, (30) 41. Philippines, (32) 745. Queensland, (38) 540. sand hills of Nebraska, (35) 835.	evaporated, examination, (30) 664; (36) 466.
Ouepreland (38) 540	evaporation, (37) 715. evaporation and drying, (38) 316.
sand hills of Nebraska, (35) 835.	evaporation in the name, (39) 510.
South Carolina, (34) 233. south Mississippi, (30) 639. southern New Jersey, (35) 643.	
southern New Jersey, (35) 643.	Experiment Station, Shillong, report, (37) 242.
Spain, (31) 836; (33) 238. Texas, (30) 533.	exports from Barbados, (28) 828.
the garden. (40) 444.	extracted, sale, (28) 661.
the garden, (40) 444. Tunis and Algeria, (31)533.	factors affecting regional distribution, (31) 439.
instruction in high schools, (33) 398.	exhibits, preparation, (32) 141. Experiment Station, Shillong, report, (37) 242. exports from Barbados, (28) 828. exports from South Australia, (29) 837. extracted, sale, (28) 661. factors affecting regional distribution, (31) 439. fall v. spring planting, (26) 238. farm cost accounting, (39) 844; (40) 192. farms of Ontario, labor stuation on, (39) 594
manual, (32) 337. on grass land, (26) 639.	
phenology and chimatology in, (20) 013; (29)	fertilizer experiments, (27) 842; (28) 235, 236, 820;
culture, relation to—	(29) 235, 639; (38) 540. fertilizers for, (34) 436.
low temperature, (34) 737.	fleshy, localization of acid and sugars in, (35)
temperature variations, (34) 613. tenancy, (26) 687.	226.
culture-	flies— African, notes, (27) 457.
school at Klosterneuburg, report, (29) 414.	as affected by oil of citronella, (28) 455.
textbook, (31) 394; (32) 394. treatise, (26) 741; (29) 837; (33) 438, 537, 639; (34) 533; (37) 41, 544; (38) 344.	chemical reactions of, (35) 362.
(34) 533; (37) 41, 544; (38) 344.	control, (40) 169, 356. control in Hawan, (29) 53. danger of introduction, (39) 467.
under glass, (28) 838. disease in New Zealand, (35) 456.	danger of introduction, (39) 467. destructive to mangoes, (27) 359.
disease resistance in, (29) 41.	effect on quality of coffee, (32) 746.
diseased, plaster cast of, (31) 748. diseases and pests—	Ethiopian, (39) 362, 467. hereditary tumor in, (40) 860.
control, (35) 743; (37) 832.	in Africa, (31) 455.
in Georgia, (35) 461. in Switzerland, (40) 249.	in Africa, (31) 455. Brazil, (34) 856. Colorris, (40) 56, 140
ases—	California, (40) 56, 169. Fiji, (30) 552. New South Wales, (31) 63.
development in transportation, (33) 741.	
in Italy, (38) 351. New York, (40) 249, 251.	Puss, (32) 847. natural enemies, (31) 455; (32) 454. notes, (26) 349; (27) 857; (29) 158, 560, 652. remedies, (29) 657; (31) 756. fty Meditarrapan, (20) 157.
Ontario, (36) 147. Sweden, (33) 846.	notes, (26) 349; (27) 857; (29) 158, 560, 652.
Tasmania, (39) 850.	remedies, (29) 657; (31) 756. fly. Mediterranean, (39) 155.
Wirtiemberg, (29) 845.	fly, Mediterranean, (39) 155. fly, Mediterranean—
manual, (37) 151 notes, (27) 344, 747, 848; (28) 238; (30) 148, 348, 746; (31) 539, 644, 841; (32) 344; (35) 148; (40) 158, 748.	as affected by cold storage, (34) 554; (35) 362. as menace to Florida, (38) 262. breeding in bananas, (29) 54.
348, 746; (31) 539, 644, 841; (32) 344; (35)	breeding in bananas, (29) 54.
notes and treatment. (28) 748.	cold storage of, (32) 450. control, (34) 360. control in Hawaii, (27) 259, 457; (30) 852;
notes and treatment, (28) 748. prevalence in Texas, (26) 645.	control in Hawaii, (27) 259, 457; (30) 852;
relation to transportation, (39) 849. studies. (32) 750.	(31) 757; (34) 758.
studies, (32) 750. treatise, (27) 438. treatment, (26) 741; (27) 845; (28) 238; (29)	development in lemons, (35) 259. dissemination by bananas, (34) 655.
treatment, (26) 741; (27) 845; (28) 238; (29) 45, 146, 551.	in environs of Paris, (35) 259. in Hawaii, (38) 658; (40) 62.
dishes, preparation, (32) 560.	in Madagascar, (35) 259.
distributing system, organization, (29) 543. district, Roswell, night temperature studies in,	
(40) 117.	life history. (32) 756.
domesticating and improving, (32) 45.	investigations, (32) 56, 055. Ilfo history, (32) 756. notes, (26) 758; (27) 155, 359, 759, 862; (28) 62; (20) 234, 263; (30) 301, 845; (34) 856; (37) 505; (40) 259, 648.
dried— analyses, (30) 861.	62; (29) 234, 253; (30) 361, 845; (34) 856; (37) 565; (40) 259 648
antiscorbutic value. (39) 771.	narasites of, (32) 733; (35) 760; (37) 850.
boric acid in, (36) 466. cooking, (38) 12.	relative attractiveness of oils for, (32) 153. remedies, (29) 656.
examination, (28) 357.	studies, (29) 257.
insect-free package for, (33) 353. insects affecting, (33) 353; (38) 317.	fly— of Argentina, (40) 757, 758.
manufacture. (32) 117.	parasites in Huwaii, (31) 456; (32) 557, 757; (34) 59, 556; (36) 60; (38) 767; (40) 459. parasites of, (37) 847; (38) 659.
microbiology, (34) 460. preparation, (37) 509.	(34) 59, 556; (36) 60; (38) 767; (40) 459.
preparation and use, (29) 462.	1 614 1811, 110465, (28) 001.
shrinkage, (27) 566.	Queensland, notes, (26) 150.
South American markets, (38) 347. use, (40) 67.	for identification, directions for sending, (32) 338.
drying, (33) 318; (36) 319; (37) 114, 509, 715; (38)	for Malay Peninsula, (39) 645.
use, (40) 67. drying, (38) 318; (36) 319; (37) 114, 509, 715; (38) 114, 507, 716; (39) 208, 418, 510, 541, 615, 717; (40) 61f	for pressing, monograph, (28) 437. forecasting bloom, (33) 236; (38) 639.
arying—	forecasting bloom, (33) 236; (38) 639. forms of sugar in, (29) 40.
and serving in the home, (40) 17. apparatus for, (37) 806.	French commerce in, (31) 596. frost injury to, (26) 749; (30) 541; (31) 130; (32)
apparatus for, (37) 808. in the home, (38) 12. industry in Chile, (27) 813.	42.
utilization of breweries for, (40) 615.	frosted, separation, (27) 145. fungi, enzymatic activity, (27) 249.

Fruit-Continued.	Fruit-Continued.
egarden, varieties, (28) 533.	juices—continued.
germination of polien, (29) 451.	examination, (26, 660.
germination of pollen, (29) 437. grafting experiments, (26) 233. greenhouse culture, (38) 39.	fermentation, (35) 616. manufacture, (29) 798.
growers' associations—	methods of analysis, (32) 109.
in Ontario, (27) 39.	notes, (29) 116.
in Wisconsin, (28) 593. growers—	osmotic pressure, (28) 262. pasteurization and hiorization, (37) 805.
cooperation among, (28) 796.	preparation (31) 315; (33) 316.
in North Carolina, list, (31) 894.	Dreservation with fluoric acid. (26) 68
growing— graphic summary of seasonal work, (39) 495.	studies, (29) 711; (39) 167; (40) 763. June drop, (38) 541. keeping in the cellar, (28) 694.
ın Gelderland, (40) 245.	keeping in the cellar. (28) 694.
New Mevico, (40) 18. New York, influence of low temperature	keeping quality as affected by fertilizers, (27) 644; (29) 640.
New York, influence of low temperature	644; (29) 640.
on, (40) 148. Utah Valley, (40) 388.	keeping quality in storage, (29) 135. kilns, testing, (35) 367.
on nome grounds, (59) 545.	lateral shoot-forming tendency, (29) 436.
on Truckee-Carson project, (28) 839. relation to climate, (28) 27.	leaf spot, studies, (36) 250.
relation to calmate, (25) 27.	lecanium, European— notes, (28) 556; (29) 251.
schools in Germany, (31) 599.	studies, (37) 662.
treatise. (31) 140.	lepidopteran post in Italy, (40) 551, 653.
growth as affected by meteorology, (29) 510. gummosis, bacterial, (39) 150, 151.	localization of acids and sugars in, (36) 110.
hall injury to, (35) 734.	loss of astringency during ripening, (26) 327. low-grade, utilization, (35) 717.
hail wounds on, (28) 826. handbook, (27) 344.	manurial requirements, (29) 745.
handbook, (27) 344.	manuring, treatise, (30) 443.
handling and storage, (32) 141. hardiness in, (32) 834.	marketing, (27) 539; (28) 593; (31) 894, 898; (32) 287; (33) 692; (35) 892, 893; (36) 392; (38) 344.
hardy, breeding, (40) 148, 742.	marketing-
hardy, breeding in America, (35) 743.	cooperatively, (26) 92; (29) 340, 392, 543; (30)
harvesting and marketing, (31) 898. Hawaiian, use, (28) 660.	591. experiments, (28) 235.
heteromorphic, germination, (28) 631.	in British Columbia, (31) 690.
nousehold utilization without sugar, (40) 864.	California, (39) 90.
hybridization experiments, (30) 329. identification, (31) 35.	New York, (35) 446. Ohio, (28) 894.
imports into United States, (26) 237.	Queensland, (32) 793.
improvement, (31) 236.	western Canada, (36) 493.
improvement by bud selections, (28) 541; (32) 439.	treatise, (36) 443. markings, relation to bud variation, (29) 147.
improving old varieties. (35) 342.	maturation, (28) 525.
improving old varieties, (35) 342. in Ontario, treatise, (31) 336.	medicinal notes (20) 115
indehiscent, opening during germination, (28)	methods of analysis, (32) 109.
38. industry in—	mycology of (26) 355.
Argentina, (31) 44, 47. Australia. (33) 238. Berkeley County, West Virginia, (33) 839. Canada, (28) 437; (30) 442; (33) 93. German East Africa, (27) 40.	methods of analysis, (32) 109. modeling, notes, (26) 442. mycology of, (26) 355. new, (37) 142.
Australia. (33) 238.	TEM-
Canada. (28) 437: (30) 442: (33) 93	at Minnesota Fruit Breeding Farm, (34) 637. descriptions (27) 537; (29) 436, 838; (30) 640;
German East Africa, (27) 40.	descriptions, (27) 537; (29) 436, 838; (30) 640; (31) 337; (33) 238, 337; (33) 36. or noteworthy, (37) 343. or noteworthy in Philippines, (34) 639.
Hungary, (33) 838. Naples, (26) 237. New Jersey, (36) 689. New York, (35) 836. Porto Rico, Cuba and Florida (25) 542	or noteworthy, (37) 343.
Napies, (26) 237. Now Torson (36) 680	or noteworthy in Philippines, (34) 639.
New York, (35) 836.	varieties from seedlings, (30) 143. varieties, production, (36) 237.
	normal and abnormal, juices of, (28) 821. oak fungus disease of, (32) 241.
South America, (31) 439.	
South America, (31) 439. Spain, (35) 342. Utah, (33) 638.	of Agra and Oudh, (31) 235. California, treatise, (31) 836. Chile, (38) 336. Germany, (33) 838. Guam, (28) 142. Hawaii, composition, (32) 761. Hawaii, treatise, (26) 741 Jamaica, notes, (29) 145. Meyric, (40) 246, 242
Usar, (35) 638. influence of stock on, (37) 647. influence of stock on, (37) 647. insects affecting, (26) 146, 150; (27) 54, 356, 452, 453, 552; (28) 238, 248; (29) 45, 252, 852; (30) 53, 240, 637; (31) 63, 453, 849; (32) 448; (33) 153, 252, 209, 746; (34) 251, 651; (35) 353, 461, 743; (36) 549, 853, 856; (38) 257, 459, 460, 653, 843; (40) 158, 161, 162, 256, 352	Chile, (38) 336.
insects offecting (26) 146 150: (27) 54 356 452	Grmany, (33) 838.
453, 552; (28) 238, 248; (29) 45, 252, 852; (30) 53,	Hawaii, composition, (32) 761.
240, 637; (31) 63, 453, 849; (32) 448; (33) 153,	Hawaii, treatise, (26) 741
252, 209, 746; (34) 251, 051; (35) 355, 461, 745; (36) 540, 853, 856, 739, 257, 450, 460, 653, 843,	Mexico, (40) 246, 342.
(40) 158, 161, 163, 256, 352.	Mindanao, (28) 236.
inspection—	Philippines, (27) 537; (30) 145, 363; (37) 143,
in Queensland, (27) 39. law inArkansas, (30) 534.	648. Trinidad and Tobago, (39) 449.
service, Federal, (40) 344.	Uruguay. (32) 744.
introduction into Philippines, (27) 537.	oily, formation of fats, (26) 801; (29) 201; (31) 312.
irrigated, keeping quality, (32) 743.	oily or glassy, notes, (27) 651. orchard—
irrigation, (28) 484. irrigation—	acclimatization, (34) 231.
experiments, (31) 732.	aphids affecting, (37) 358.
insufficient or excessive, (39) 241.	blooming dates, (34) 144. breeding, (36) 444.
jams, analyses, (28) 862. jar caps, studies, (32) 856.	breeding experiments, (33) 637.
jellies, examination, (32) 162.	bridge grafting, (34) 833. chlorosis of, (32) 641.
jellics, manufacture, (37) 15.	chlorosis of, (32) 641.
juices— analyses, (33) 240.	cost of raising, (36) 640. culture, (32) 45.
coloring matter in, (26) 608.	orchard, culture-
conservation, (36) 717.	experiments, (26) 45, 237; (28) 827; (38) 43,
effect on metabolism, (28) 66.	539, 534, 637; (34) 833; (36) 137; (38) 641.

Fruit-Continued.	Fruit-Continued.
orchard, culture—continued.	preserving and processing, (30) 316.
in Alaska, (32) 743.	preserving without sugar, (39) 717.
Assam, (33) 238. British Columbia, (29) 639.	prices in Bern, (32) 162.
California, (27) 439.	processing for exhibition, (36) 319. product factories in Utah, possibilities for, (33)
South Australia, (34) 341; (35) 835; (38)	638.
540. under irrigation, (25) 839.	product plants, establishing, (39) 894. production, extension work in, (40) 834.
orchard—	production in New York, (27) 598.
diseases of, (30) 147, 240.	products-
dry-land culture, (32) 338. enemies of, (29) 640; (32) 753.	adulteration, (29) 865.
fertilizer experiments, (28) 741; (34) 833.	methods of analysis, (26) 99; (29) 865.
fungus diseases of, (28) 243.	of Uruguay, (32) 744. preparation and judging, (30) 259.
hybridizing, (31) 636.	standards for, (28) 862.
inoculation experiments with brown rot fungus, (33) 247.	standards for, (28) 862. propagation, (26) 237; (34) 533; (38) 345. propagation through bud selection, (35) 446.
insects and diseases of, (38) 257.	propagation, treatise, (36) 140.
irrigation, (31) 782.	protection against—
irrigation in sandy soil, (33) 287. lessons on. (26) 392.	frost, (27) 509; (37) 744.
lessons on, (26) 392. manuring, (31) 636. planting, (28) 236.	frost, (27) 509; (37) 744. fruit fly, (32) 742. pruning, (26) 238; (32) 835; (33) 838; (34) 533, 833;
planting, (28) 236.	(37) 242, 344; (39) 241, 445.
plat experiments, (38) 743. pruning, (30) 739; (32) 234; (33) 339	pruning experiments, (26) 45; (35) 38; (39) 38.
pruning and manuring, (28) 640.	pruning-wound dressing for, (32) 835.
pruning and manuring, (28) 640. sap studies, (32) 139. spraying, (31) 141; (32) 834.	pulping, (39) 717. purin content, (40) 205.
spraying, (31) 141, (32) 634. spraying experiments, (33) 339, 340.	quarantine law in Missouri, (26) 854.
summer pruning, (33) 338. tree fillings and wound diessings for, (32)	recipes, (37) 870.
tree fillings and wound diessings for, (32)	reducing and nonreducing sugars in, (29) 503. regulating bearing habit, (40) 148.
637. varieties. (29) 237: (30) 41: (31) 828: (33) 43.	relation to typhoid fever, (28) 258.
varieties, (29) 237; (30) 41; (31) 828; (33) 43, 430; (34) 231; (36) 137, 140, 237; (38) 641.	resistance to—
orchard, varieties for—	frost, (31) 130. fungi, (27) 648.
Great Britain, (31) 337. Illinois, (28) 437.	insects and fungi. (35) 342.
New Jersey, (33) 439. orchard, wood decay of, (32) 238.	insects and fungi, (35) 342. respiration in gases, (29) 135, 538.
orchard, wood decay of, (32) 238. ornamental, economic use, (32) 339.	ripe and unripe, pectins of, (40) 202.
oxidase occurring in, (26) 310.	ripening— dates, (33) 639.
packages, notes, (30) 443. packing, (26) 237; (32) 302.	in relation to humidity, (36) 741.
packing—	processes, (26) 139, 310.
and sale in Michigan, (33) 438.	studies, (27) 466; (31) 311. root development, (29) 437.
and transportation in India, (36) 140.	root rot, notes, (40) 748.
law in California, (35) 342. marketing, and exporting, (33) 838.	root rot, studies, (35) 547; (38) 852. root systems, (35) 837.
papers on. (27) 598.	role investigations (96) 740
parasites, remedies, (27) 438. parthenocarpy in, (31) 535; (34) 226.	russeting, (27) 440. rust and Coryneum, treatment, (35) 351. rust, notes. (33) 549.
persistence of style on, (36) 523.	rust, notes, (33) 549.
phenological data, (33) \$25. physico-chemical constants of, (31) 427.	rust, notes, (33) 549. "salmon fly" injury, (39) 257. sampling device for, (37) 711.
picking and handling, (34) 437.	sampling device for, (37) 711. scab, treatment, (33) 237.
picking maturity, (37) 543.	scale, European—
pit, studies, (32) 644. planting along highways, (26) 189.	as affected by hydrocyanic acid gas, (33) 855.
poisoning by factory smoke, (27) 831.	notes, (29) 251.
pollen, germination, (35) 731. pollination, (27) 439; (28) 237; (30) 237; (34) 233,	remedies, (26) 561. scale, Japanese, remedies, (29) 854.
341; (35) 743; (39) 445; (40) 148, 638.	seedless-
pollination-	and malformed, notes (19) 147. studies, (31) 35.
and fertilization, (33) 140. by bees, (38) 264.	seedlings, index of hardiness, (40) 740.
experiments, (29) 235.	seeds, hydrocyanic acid content, (27) 11.
pome-	self-fertility and self-sterility of, (33) 236. self-sterility in, (34) 341.
and stone, diseases of, (33) 444. factors in fruit-setting, (40) 41.	setting by cultivated plants, (27) 329.
hypochnose, (40) 48.	shipping, (39) 843, 849.
New rust of, (31) 150.	shipping experiments, (36) 640. shipping organizations, accounting system for,
hypochnose, (40) 48. new rust of, (31) 150. pollination, (29) 541; (33) 838; (36) 140. precooling, (27) 441; (29) 436. precooling and refrigeration, (31) 44.	(38) 793.
precouring and ren agaration, (ar) 41.	shot-hole, notes, (40) 748. silver leaf disease—
premature dropping, (29) 339. preparations, suspicious, inspection, (26) 482.	cause, (38) 50.
preservation, (30) 443, 665; (32) 509; (35) 14; (38)	investigations, (26) 244, 449; (28) 348; (29)
616. preservation—	847; (30) 451. notes, (26) 749; (29) 45; (33) 649, 741; (40)
and inspection, (35) 367.	748.
by freezing, (39) 344.	treatment, (28) 849. sirup, preservation with formic acid, (29) 463.
by pressure, (32) 416. of natural colors in, (28) 237.	small—
treatise, (29) 116.	acclimatization, (34) 231.
preserved-	as affected by lime, (29) 40.
dextrose content, (27) 766. examination, (30) 862.	breeding experiments, (28) 542. cover crops for, (34) 294.
handbook, (28) 258. inspection in Canada, (26) 157.	culture, (29) 148; (31) 142, 441; (35) 36; (37)

Fruit—Continued. small, culture—	Fruit—Continued. transportation and storage investigations, (30)
and preservation, (38) 842. experiments, (26) 237; (28) 827; (32) 141; (33) 43; (36) 137; (35) 641; (39) 444, 445.	739.
43; (36) 137; (38) 641; (39) 444, 445.	treatise, (27) 439. tree bark beetle—
in Alaska, (29) 743; (32) 743. Assam, (33) 238.	fungus-growing, investigations, (29) 858.
British Columbia (29) 639: (34) 438	notes, (30) 161, 657; (31) 249; (36) 258, remedies, (40) 547.
Missachusetts, (26) 541. New York, (26) 239; (35) 836. Oregon, (39) 241.	tree— bark diseases, studies, (39) 150.
Oregon, (39) 241.	black spot canker, notes, (27) 448.
Utah, (33) 638. small—	borer, notes, (28) 356; (34) 361.
diseases, (27) 349; (29) 242; (30) 147; (40) 158. drying, (37) 715.	boiers, protection against, (40) 445. canker, notes, (33) 853; (39) 150, 855.
drying, (37) 715. enemies, (27) 756; (32) 753.	canker, treatment, (29) 348.
for home and commercial planting, (33) 537.	chlorosis, notes, (31) 745; (40) 748, chlorosis, treatment, (27) 48.
for home and market, (39) 242.	crown gall, notes, (29) 348, crown rot, studies, (28) 347; (39) 150.
insects affecting, (28) 352; (30) 240; (34) 651;	diebach, studies, (39) 149.
industry in California, (29) 639. insects affecting, (28) 352; (30) 240; (34) 651; (39) 861; (40) 158, 256. irrigation, (36) 89, and and (22) 987.	fire blight, treatment, (39) 551. flower and branch blight, treatment, (28)
	747.
manuring, (31) 636. marketing by parcel post, (39) 543. mold on, (36) 195. pruning, (32) 234; (33) 339. spraying experiments, (27) 143.	foliage, studies, (26) 407. gurinosis, notes, (34) 846; (35) 849.
mold on, (36) 195.	tree leaf roller—see also Archips argyrospila.
spraying experiments, (27) 143.	notes, (20) 758; (28) 450; (30) 157, 249, 361; (32) 651; (55) 253; (38) 355; (40) 161, 162,
standard containers for, (38) 40.	263.
temperatures when picked, (40) 100. treatise, (37) 544, 648. varieties, (28) 436; (29) 145, 237; (31) 828; (33) 43, 430; (34) 231; (35) 742; (36) 137, 140, 237; (38) 641; (39) 139. varieties for Great Britain, (31) 337. varieties for Ullinds, (28) 437; (29) 241.	pupal instar, (34) 357. remedies, (28) 856; (31) 850; (34) 63, 552, 755; (35) 551; (37) 56; (40) 162.
varieties, (28) 436; (29) 145, 237; (31) 828; (33) 43 430; (34) 231; (35) 742; (36) 137	(35) 551; (37) 56; (40) 162.
140, 237; (38) 641; (39) 139.	studies, (27) 160, (28) 754.
varieties for Great Britain, (31) 337.	leaf Syneta, notes; (32) 651; (36) 58.
varieties for Ohio, (37) 241.	leaves, insects affecting, (34) 549. Nectria, notes, (38) 548.
variety tests, (39) 444. wild, desiccation, (32) 117.	stem disease, notes, (26) 446. sun scald, studies, (36) 544.
wild, preservation, (26) 117,	twig disease, notes, (29) 49.
sod v. tillage, (26) 45. soils of Pennsylvania, (28) 143.	withertip, notes, (27) 152. wounds, asphaltum as a dressing for, (34)
South American markets, (37) 345.	154.
spray calendar, (39) 345. sprayed, arsenic on, (38) 54.	trees, arsenical injury, (36) 849, trees as affected by—
spraying, (32) 834; (39) 149, 250, 345, 548, 855.	cement dust, (27) 152; (31) 150.
spraying— experiments, (27) 842; (29) 235.	ement dust, (27) 152; (31) 150. dynamiting, (34) 125. grass, (29) 339; (33) 339.
formulas, (39) 762. with nitrate of soda, (36) 535.	tin bands or girdles, (35) 446.
spring v. full planting, (33) 439. standard barrel for, (32) 499.	asphaltum treatment, (40) 445.
standard barrel for, (32) 499. standard containers for, (38) 40.	bearing only in alternate years, (33) 236. dying in New Zealand, (38) 452.
stations, experimental, in Ontario, (27) 39.	failure to bear, (38) 298.
sterilization for the home, (36) 17. stocks for, (32) 234.	fall v. spring planting, (35) 837; (38) 41, 640. fertilizing when planted, (33) 237.
stocks, notes, (35) 342. stocks, tests, (40) 444.	manuring, (28) 741.
stocks, tests, (40) 444. stone—	oak fungus and wood decay of, (37) 51. planting in dry lands of Chile, (31) 240.
bacterial disease of, (34) 248.	red spider affecting, (27) 265.
culture in southern Utah, (30) 442. diseases in Rhone valley, (38) 50.	regulation of sale, (28) 836. ringing experiments, (32, 636.
diseases of, (36) 750.	ripening of growing parts, (35) 542. root hardiness, (36) 840.
gummosis, (30) 749. gummosis and brown rot of, (38) 454.	size for planting, (33) 338.
pruning, (32) 837.	size for planting, (33) 338. taying, Christ-Junge method, (36) 443.
resistant stocks for, (35) 645. ripe rot of, (37) 151.	top grafting, (31) 740; (34) 437. variability of yield, (38) 743.
spray calendar for, (26) 539. spraying mixtures for, (35) 143.	variability of yield, (38, 743. winter injury, (27) 538; (30) 344, 352; (40) 348, 834, 835.
wild species as hosts of Coccomyces, (39)	winterkilling, (35) 234. withering of blooms, (30) 47.
456. storage, (26) 441; (40) 150, 864.	withering of blooms, (30) 47. wood decay in, (34) 53.
storage—	tropical and subtropical—
cellar, description, (27) 644. cellars, (38) 292.	in California, (31) 47. manual, (34) 438. treatise, (27) 645.
growth and spread of fungi in, (26) 749; (28)	treatise, (27) 645.
53. in relation to humidity, (36) 741.	tropical— cold storage, (32) 439, 745.
on the farm, (32) 486. ventilation, (29) 538; (31) 533.	culture and improvement, (36) 742. culture in Philippines, (34) 635.
storehouses, construction and management, (32)	in Philippines, (35) 648.
338.	in the Visayas, (26) 336. preparation and use, (27) 567.
subtropical, studies, (40) 763. subtropical, varietal standardization, (38) 537.	recipes, (28) 863.
suitability for jelly making, (35) 418. sunscald, notes, (27) 440.	shield budding, (32) 142. tests, (38) 842.
survey of Mesa County, Colorado, (37) 241.	vegetative propagation, (36) 641.
thinning, (37) 895.	uniform score card for, (29) 40.

use in Surinam (28) 761	dosage tables for, (26) 561.
use in Surin im, (28) 761. use in the diet, (38) 166	leakage gage description (27) 163
use in the dict rry, (29, 862 varieties, (27) 438, 842, (29) 235, 540; (30) 441, 640;	leakage meter, calibration, (34) 751.
varieties, (27) 438, 842, (29) 235, 510; (30) 441, 640;	notes, (29) 640; (33) 59; (38) 458.
(32) 337, 437; (33) 335; (34) 231, 635, (36) 39; (37) 241, 543, 532; (38) 112, 413, 641, 842.	leakage meter, calibration, (34) 751, notes, (29) 640; (33) 59; (38) 458, of citrus trees, (39) 463, of households, (34) 653, stylides (40) 756
varieties for—	Statics, (40) 102.
Atkansas, (30) 533	tents, leakage, (26) 256, 561.
Butish ('olumbia, (34) 437.	Funigator for insects, construction, (27) 564. Fungi—
Idaho. (33) 44	action in soils, (38) 118.
Illinois, (34) 42; (39) 241.	American, treatise, (27) 329.
Georgia, (34) 436. Idaho, (33) 44 Illinois, (34) 42; (39) 241. Maine, (37) 41.	ammonia accumulation by, (35) 513.
Minnesota, (33) 140; (37) 241; (40) 148, 740, 742.	ammonification by, (36) 221. and bacteria, relative importance in soils. (36)
Nebrosko (40) 340	434.
New Jersey, (34) 144. Ontario, (28) 839. Ontario and Quebec, (32) 539. Pacific Northwest, (29) 745.	and hosts, chemical relations, (32) 822.
Ontario, (28) 839.	and windfall timber, relations, (39) 847.
Ontalio and Quebec, (32) 339.	acquatic, deposition of iron on, (26) 825. as affected by—
United Kingdom, (31) 838.	aluminum, (34) 526.
Utah, (29) 147. West Virginia, (34) 637	cold, (34) 538.
West Virginia, (34) 637	illuminating gas, (39) 632.
western Washington, (33) 44; (34) 796. varieties, new, for South Dakota, (39) 346.	metallic salts, (23) 527. Roentgen and ultraviolet rays, (38) 855.
variety—	tobacco smoke and methyl iodid vapor, (39)
adaptability, (29) 147.	527.
collections, (40) 834.	assimilation—
tests, (39) 444; (40) 444. washing in canning factories, (37) 416.	investigations, (28) 824. of nitrogen by, (29) 824; (30) 629. behavior with organic acids, (26) 203.
waste, vinegar from, (38) 414.	behavior with organic acids, (26) 203.
water content as affected by cooking, (26) 462.	biological studies, (34) 49.
white-marked tussock moth on, (39) 561.	causing discoloration in paper, (37) 630.
wholesale distribution, (33) 692. wild, culture, (27) 242.	cellulose destroying, (34) 136. chemistry of, (26) 746.
wild, of Paraguay, (30) 41.	chemotropic reactions in, (36) 845.
wild, of Paraguay, (30) 41. wine, diminution of acidity in, (29) 117.	Chinese, studies, (27) 848.
wines, acids of, (37) 310.	Chondriosomes in, (32) 822; (35) 635.
wines, micro-organisms in, (29) 209. worms, green, see Green fruit worm and Xylina	classification, treatise, (27) 149. conduction of lithium, (39) 122.
spp.	conservation, (36) 615. cultivated by termites, (40) 453. damping off, treatment, (33) 98. destructive to bees, (28) 662. development in relation to food supply, (32) 428.
worms in Nova Scotia, (35) 853.	cultivated by termites, (40) 453.
Fucellis of North America, (40) 263.	damping on, treatment, (33) 98.
Fuchsias, carbon dioxid for, (31) 532. Fucio acids, studies, (40) 804.	development in relation to food supply. (32) 428
Fucidin, description, (29) 566.	development on fatty hydrocarbons, (29) 133.
Fucosan, properties of, (29) 566.	differentiation in host tissues, (39) 247.
Fucus—	edible—
palmatus, analyses, (26) 324. vesiculosus, analyses, (37) 814.	arsenic in, (27) 269. culture and use, (35) 470. digestibility, (28) 865.
vesiculosus, enzyms of, (30) 728; (35) 25.	digestibility, (29) 865.
Fuel—	
analyses, (29) 119. briquetting investigations of Bureau of Mines,	notes (26) 227: (28) 861
(31) 386.	nitrogenous constituents of, (28) 501. notes, (26) 237; (28) 861. nutritive value, (37) 669. of South Africa, (29) 461. effect on organic acids, (27) 528.
for internal combusion engines (20) 600	of South Africa, (29) 461.
for oil engines, (39) 792. for oil, gas, and steam engines, cost, (30) 88. oil as wood preservative, (32) 841. oil, larvicidal value, (37) 665. oil, tests, (28) 539; (28) 486. prices in Washington State, (38) 568. Saving in house heating (34) 789.	effect on organic acids, (27) 526.
oil as wood preservative (32) 841	endoconidia production in, (35) 247. entomogenous—
oil, larvicidal value, (37) 665.	in Barbados, (38) 157.
oil, tests, (26) 539; (28) 486.	in St. Vincent, (36) 153.
saving in house heating, (34) 789.	investigations, (27) 565.
Fuels—	notes, (33) 58. of Porto Rico, (33) 459.
briquet tests, (31) 386.	of Trinidad, (31) 145.
for cooking, costs, (40) 658.	review of literature. (28) 753.
household, tests for, (31) 93, 462. mixed, possibilities of, (31) 386.	utilization, (32) 63. enzym production and extraction, (39) 247.
Fulgoridae, hymenopterous parasites of, (34) 557.	exotic, descriptions, (27) 445.
rulica atra as a game bird. (31) 555.	filamentous—
Fulligo septica, notes, (30) 247.	destruction of cellulose by, (28) 627.
Fuller's earth, use in chemical separations, (38) 411. Fumago—	importance in soils, (26) 825. fission, biology, (35) 25.
citri, notes, (34) 446.	fixation of—
0less, notes, (27) 857	atmospheric nitrogen by, (26) 123.
Fumeric acid in fresh beef, (31) 759.	nitrogen by, (27) 225.
apparatus for absorption, (30) 505.	food value and toxicity, (32) 760. growth—
effect on soils and vegetation, (27) 229.	and spread in storage fruit. (26) 749; (28) 53.
effect on vegetation, (38) 429.	in heated soils, (26) 815; (27) 620. in plant decoctions, (37) 728; (38) 524.
Fumigants, effect on baking quality of flour, (26) 357.	in plant decoctions, (37) 728; (38) 524. on culture media and trees, (40) 203.
Fumigating—	heat development of, (31) 323.
machines for hydrocyanic acid gas, (33) 556.	hemolytic power, (30) 878.
room, gas-tight door for, (31) 60.	higher, composition, (26) 802.
Fumigation—	
addratus, description and tests, (28) 893.	humidity relations, (37) 549.
apparatus, description and tests, (28) 893. as affected by temperature and moisture, (29) 762.	humidity relations, (37) 549. hydrocyanic acid— and benzoic aldehyde producing, (36) 734.

Fungi—Continued. imperfect, notes, (30) 351. imperfect, on cereals, (30) 846.	Fungi—Continued. rust—continued. wintering in Bohemia, (28) 345.
in alimentary canal of man, (35) 560. soils, (36) 214, 215. Stilton cheese, (28) 879. wheat seed, (32) 750. isolating single-spore strains, (34) 538.	wintering over in uredo stage, (29) 346. saprophytic, parasitic activity, (32) 640. saprophytic stage in, (28) 442. Schweimtz collections, (39) 50.
leaf injury or loss due to, (35) 243. lower	smut— notes, (26) 746. of Switzerland, (26) 645. narysitem (31) 540
enzyms of, (27) 25. factors affecting growth and sporulation, (28) 524. polysaccharids of, (33) 411.	parasitism, (31) 540. treatise, (27) 746. soil— ammonifying efficiency, (32) 29, 817.
manual, (27) 727. mold—	infection of wheat by, (26) 746. notes, (27) 223. studies, (28) 442, 524; (31) 127.
assimilation of salts by, (29) 28, 29, 30, autolysis, (28) 803. carbon and nitrogen assimilation by, (33)	solution of copper by, (26) 853. specialization of parasitism in, (28) 442. storage of oxygen by, (28) 329.
726. cleavage of organic acids by, (30) 503. formation and regulation of enzyms by, (31)	textbook, (35) 147. toxicity, (30) 878. treatise, (27) 575.
730. nitrogen nutrition of, (31) 223; (32) 327, 728; (36) 527.	treatment, (32) 447. use against scale insects, (28) 453. viability, (26) 819.
protein synthesis by, (27) 525. relation to cane sugar, (28) 429. relation to iodin compounds, (29) 133.	wood-destroying— abortive sporophores of, (33) 552, black zones of, (38) 555.
selective power of, (33) 824. source of nitrogen for, (27) 226. new or little known, (39) 753.	culture media, (38) 254. in orchard trees, (34) 53. notes, (31) 247; (32) 54; (39) 255.
nitrogenous constituents, (27) 364. nutrition of, (31) 426 of Ceylon, (39) 333.	studies, (40) 350. wood injuring, studies, (27) 354; (34) 240. yeast-like, occurrence and pathogenicity, (36)
Great Britain, treatise, (27) 25. Japan, (38) 426, 648; (39) 753. Porto Rico, (40) 844.	879.
soils, studies, (37) 718. Texas soils, (36) 434 Trinidad, (26) 146.	dealers, licensed, (27) 663. law in Ohio, (31) 740. laws, (28) 642; (29) 266; (36) 39; (40) 45.
Washington, (33) 545. on Lolium, studies, (26) 545. on seed coats of grains, (28) 442.	rungicides—see also Sprays and specific kinds, adherent, description, (33) 449, 450.
oxidation of manganese by, (32) 514. parasitic— culture on living plants, (28) 545.	analyses. (27) 441; (31) 49, 142, 340, 740; (32) 169, 438; (33) 47, 735; (34) 436, 639; (35) 141; (36) 744; (37) 114, 243; (38) 643. and insecticides, compatibility, (32) 243.
dissemination, (35) 349. effect on cereals, (31) 541. effect on woody plants, (31) 343.	compatibility chart, (39) 39. copper, studies (26) 853.
growth in concentrated solutions, (36) 245. growth in cultures, (38) 757. host relations, (28) 442. in Colombia, (35) 243. Iowa, (26) 51.	copper sulphate coefficient, (40) 253. detection of inert ingredients, (27) 655. determination of adhesiveness, (28) 538.
Japan, (21) 149.	effect on— germination of wheat, (26) 845; (30) 837. grapevines, (27) 850.
Michigan, (30) 240. New Jersey, (39) 648. Russia, (40) 155. Turin, (30) 47, 746.	formulas, (40) 543, inspection— and analyses, (39) 240, 345, in Maina (20) 148; (24) 40; (38) 487
Wisconsin, (26) 341; (35) 844. infection experiments, (26) 845; (28) 149, 844; (33) 847.	in Ohio, (31) 740; (36) 744. manual, (29) 341. notes, (28) 148.
on scale insects, (30) 455. on sugar cane, (26) 748. overwintering, (33) 647.	phenolic, studies, (35) 208. powdered, tests, (30) 651. preparation (39) 453; (40) 746.
oxidizing enzyms in, (27) 25. relation to host plants, (27) 543, 648. specialization, (37) 149. pathogenic, review of investigations, (28) 178.	preparation and use, (26) 47, 48, 445, 840, 841; (27) 45, 344, 845; (28) 48, 238, 449, 642, 841; (29) 146, 236, 459, 554, 651; (30) 442, 534, 642,
pathogenic, review of investigations, (28) 178. pathological forms, (26) 545. peptolytic enzyms in. (32) 130.	inspection— and analyses, (39) 240, 345. in Maine, (29) 146; (34) 40; (36) 467. in Ohio, (31) 740; (36) 744. manual, (29) 341. notes, (28) 148. phenolic, studies, (35) 208. powdered, tests, (30) 651. preparation (39) 453; (40) 748. preparation and use, (25) 47, 48, 445, 840, 841; (27) 45, 344, 845; (28) 48, 283, 449, 642, 841; (29) 146, 236, 459, 554, 651; (30) 442, 534, 642, 643, 739; (31) 141, 153, 635; (33) 639; (34) 436, 539, 643, 739; (35) 743. promoting adherence in, (30) 248. spreading qualities, (27) 753.
pathological forms, (28) 545. peptolytic enzyms in, (32) 130. physiology, (37) 129, 727, 728; (38) 524. poisonous, detection, (30) 830. polymorphism in, (34) 32. preservation in edit strong. (77) 858.	spreading qualities, (27) 753. standard v. nonstandard, (34) 232. superficial tension and wetting power, (27) 548.
production of mycelium by, in soil, (35) 820. relation to—	tests, (27) 855; (28) 48, 348; (33) 648; (35) 149; (37) 47, 247; (39) 348. treatise, (31) 517.
callose in root hairs, (29) 326. cell content of host plants, (28) 443. citrus gummosis, (33) 55.	use, (27) 45. use with arsenical poisons, (38) 156. wetting power, (29) 157, 451, 850.
meteorological conditions, (27) 543. soils, (27) 728. tuber formation, (30) 29, 730.	Fungus— beetle, two-banded, notes, (37) 567. fairy rings, studies, (38) 222.
respiration in, (26) 628. Russian, new species, (28) 51. rust— rust— (28) 745	fairy rings, studies. (38) 222. flora of soils, (27) 728. flora of South Africa, studies, (29) 45. galls, storage of reserve materials in, (28) 429. gnats of North America, (27) 57.
and smut, spore formation in, (28) 745. culture experiments, (28) 242; (31) 540. of Great Britain, treatise, (30) 745.	paint-destroying, description, (27) 224. paint-destroying, description, (27) 253.

Fungus-Continued.	Fusarium—Continued.
parasites of—	eumartii— n.sp., description, (34) 246
Occidae and Aleurodidae, utilization, (28)	notes, (36) 147.
man and animals, (32) 271.	studies, (36) 648.
plants, effect on soils. (29) 150. Funkia ovata, stomatal movement in. (26) 627.	gemmiperda, notes, (28) 241. gramineum, relation to citrus gummosis, (29)
Funnel, laboratory, description, (40) 409.	247.
Funtumia—	heveae n.sp., notes, (37) 253.
elastica—	incarnatum, notes, (29) 150.
culture and tapping, (26) 339. culture in Belgian Kongo. (35) 544.	infection of grain by, (29) 244. lateritium—
plantings in Kongo, (26) 50.	notes, (36) 752.
tapping experiments, (31) 312.	relation to apple sour sap, (38) 452.
growth and rubber yielding value, (37) 548. Fur-bearing—	lathyri— investigations, (37) 155.
animals—	n.sp., description, (32) 446.
breeding and raising, (29) 373. domestication, (37) 573.	limonis, notes, (31) 152, 244.
laws relating to, (34) 751; (36) 455; (38) 456;	limonis, treatment, (33) 149.
(40) 350.	notes, (30) 619.
natural history, (26) 772. of an Indiana farm, (30) 354.	relation to soil temperature, (36) 748.
treatise. (40) 646.	relation to temperature, (39) 249. resistance to, (40) 745.
treatise, (40) 646. mammals of North America, (29) 70.	studies, (38) 449.
Fur-	lycopersici—
buyers' guide, (34) 570.	description, (31) 49. description and treatment, (30) 50; (32) 147.
farming—	
booklet, (29) 672. in Canada, treatise, (32) 870. in United States and Canada, (39) 880.	notes, (20) 649; (37) 561. tomatoes resistant to, (34) 646. malli n.sp., on onion, (40) 643. maydiperdum n.sp., description, (26) 446. metachroum, notes, (28) 847. moniliforme, treatment, (30) 547. mycellum in tobacco, staining, (39) 248 n.spp., descriptions, (31) 544. n.spp. in soils, (39) 240. n.spp., notes, (29) 243. neglectum n.sp., description, (28) 845.
in United States and Canada, (39) 880.	mauli n.sp., on onion, (40) 643.
notes, (37) 573.	metachroum, notes, (28) 847.
notes, (37) 573. textbook, (27) 774. with mink, (40) 373. industry in Alaska, (31) 727. trade, treatise, (26) 772. waste, analyses, (28) 523.	moniliforme, treatment, (36) 547.
industry in Alaska, (31) 727.	mycellum in tobacco, staining, (39) 248
trade, treatise, (26) 772.	n.spp. in soils. (39) 249.
Furcraea—	n.spp., notes, (29) 243.
cabuya fiber, strength of, (29) 313.	neglectum n.sp., description, (28) 845. nivale—
fiber from, (39) 442. gigantea as a fiber plant, (37) 233.	notes, (29) 47, 244, 445; (30) 448.
gigantea, varieties grown in Mauritius, (34) 434.	relation to Nectria graminicola, (30) 846
spp., binder twine from, (27) 534.	studies, (31) 343. treatment, (26) 446.
Furfurol—	niveum on watermelon, (34) 53.
detection in ethyl alcohol, (29) 312.	on cereals, treatment, (35) 245.
determination, (27) 113. formation from wood during steaming process,	orobanchus, pigments of, (32) 428. oxysporum, notes, (29) 646; (30) 649; (32) 136,
(33) 614.	239; (36) 846.
formation in wine, (31) 316. in cider vinegar, (32) 808. precipitants for, (36) 318.	oxysporum, studies, (28) 851; (36) 846; (38) 848
precipitants for, (36) 318.	pathological species, (34) 840. putaminum, notes, (31) 539.
production in curing hay, (35) 312.	putrefaciens, studies, (26) 749.
Furniture—	radioicola—
disinfection, (32) 456. insects affecting, (28) 248; (30) 53; (34) 651.	studies, (35) 455. temperature relations, (36) 649.
Furs—	rots of sweet potato, (39) 854. rubi, investigations, (26) 850.
cold storage, (27) 565.	rubi, investigations, (26) 850. rubiginosum, notes, (31) 542; (32) 642, 843.
home manufacture, treatise, (38) 13. Fusaea, description, (31) 339.	samoense n.sp., description, (31) 347.
Fusariella populi n.sp., description, (40) 155.	samoense n.sp., description, (31) 347. solani, notes, (30) 48, 847; (32) 546 (35) 750;
Fusarium—	(37) 551. sp. affecting—
batatatis	
description, (32) 51.	annua caterphiar, (32) 88. apple buds, (30) 352. Lolium, (26) 545. potatoes, (30) 539. sp. as affected by cold, (34) 538. sp., notes, (27) 45, 750; (28) 246, 647. sp. on banans, (32) 751; (34) 841. sp. on beans, (36) 248; (37) 840.
notes, (31) 447. relation to Sweet potato stem rot, (29) 647. treatment, (28) 849. blight of potatoes, (40) 847. bulbigenum, notes, (30) 354; (31) 646. coeruleum, notes, (37) 330. coeruleum, studies, (39) 250, 651. colorans, notes, (26) 851. colorans, relation to cacao canker. (32) 548.	Dollum, (26) 545.
treatment, (28) 819.	sp. as affected by cold, (34) 538.
blight of potatoes, (40) 847.	sp., notes, (27) 45, 750; (28) 246, 647.
coeruleum, notes, (37) 350.	sp. on beans, (32) 751; (34) 841. sp. on beans, (36) 248; (37) 840.
coeruleum, studies, (39) 250, 651.	sp. on carnations, (38) 51.
colorans, notes, (26) 851. colorans, relation to cacao canker, (32) 548.	sp. on garden peas, (39) 853. sp. on oranges, (35) 749.
	en on reenharrit roote (34) 55
conglutinans, control, (37) 150. conglutinans, studies, (34) 542; (36) 248; (40) 156.	sp. on rubber, (32) 347.
cubense—description, (38) 757.	sp. on sesame, (34) 50.
generation of aldehydes by, (37) 843.	sp. on rubber, (32) 347. sp. on sugar cane, (37) 553. sp. on tobacco, (32) 844; (39) 854.
notes, (28) 349.	sp. relation to
culmorum, studies, (30) 846. dianthi, description, (28) 154.	citrus gummosis, (31) 449.
dianthi notes (27) 752	damping-off of truck crops, (35) 844. sp., studies, (26) 57; (27) 447. sp., treatment, (27) 655; (31) 647. spp., descriptions and treatment, (28) 847.
didymum, notes, (32) 750. diseases as affected by winter covering of cereals,	sp., treatment, (27) 655; (31) 647.
(37) 48.	spp., descriptions and treatment, (24) 847. spp., distribution on potatoes, (27) 247.
diseases of cereals, review, (26) 446.	spp., effect on composition of potatoes, (35) 246.
distribution in soil, (39) 254. effect on composition of rye, (36) 633.	spp., enzymatic activity, (27) 249. spp. from cankered cacao bark, (31) 750,
erubescens on tomatoes, (34) 53.	spp. in soils, relation to potato diseases, (39) 249.

Fusarium—Continued.	Galactose—Continued.
spp., infection experiments with, (27) 247.	separation from lactose and glucose, (26) 202.
spp., notes, (28) 546, 845; (29) 243; (31) 147; (39)	toxicity for green plants. (38) 224.
52.	toxicity for green plants. (38) 224. toxicity toward dogs, (28) 462.
spp. on-	
bananis, (31) 244.	utilization by pea seedlings, (27) 730. Galactosidase β in vegetable kingdom, (38) 524.
cacao, (31) 242, 750.	Galactosidase β in vegetable kingdom, (38) 524.
coffee, (32) 646; (38) 51.	Galanth, fertilizing value, (28) 736; (31) 518.
confer seedlings, (40) 545. potatoes, (31) 345, 147; (32) 642; (33) 849; (34)	Galbraith, A. J., necrological notice, (40) 500.
DOUBLORY, (31) 340, 441; (32) 042; (33) 349; (34)	Galega officinalis—
246; (37) 652, 654; (40) 449.	analyses, (31) 863.
sweet potatoes, (31) 544; (32) 50, 343; (33) 743; (34) 156; (40) 347. tomatoes, (33) 845.	culture experiments, (30) 632.
(43) (34) 100; (40) 347.	description and control, (37) 142.
tomatoes, (as) 640.	Galeopsis grandiflora, betains in. (27) 204.
spp., relation to—	Galeopsomyia, new genus, description, (36) 556.
apple rot, (33) 348.	Galeruca—
potato stem lesions, (39) 649. potato tuber rot and wilt, (35) 246; (38) 149.	alni, notes, (28) 554.
rye "drunk bread" disease, (35) 845.	xanthomelaena, see Galerucella luteola. Galerucella—
tomato blight, (32) 444.	cavicollis, see Cherry leaf beetle,
spp., studies, (30) 542.	decora, notes, (28) 256; (34) 853; (38) 257.
spp., treatment, (27) 351; (31) 647.	luteola—
taxonomy, (29) 444.	biology and control, (39) 564.
tracheiphilum, studies, (37) 50.	life history, (36) 461
trichothecioides—	life history, (36) 461. notes, (26) 147; (27) 658; (28) 57, 158; (30) 455, 655; (33) 253; (31) 752. remedies, (29) 556.
n.sp., description, (27) 650.	455, 655; (33) 253; (34) 752
on watermelon, (38) 645.	remedies. (29) 556.
on watermelon, (38) 645. treatment, (28) 848; (35) 847.	reproduction in, (32) 351.
trifolii n.sp., description, (36) 748.	tenella, notes, (40) 64.
tritici, notes, (28) 443.	Galesus silvestrii, parasitic on fruit flies, (31) 456.
tuberi vorum—	Galinsoga parviflora, studies, (33) 534.
and F. trichothecioides, identity, (36) 846.	Galium—
n.sp., description, (29) 47.	aparine, notes, (29) 144.
vosinfectum	spp., competition on different soil types, (40)
description, (28) 346.	424.
notes, (26) 844; (30) 149, 538; (31) 343; (40) 845.	Gall—
on cotton, (32) 342.	bladder infections, studies, (36) 778.
on okra, (38) 851.	formation in plants, (37) 26.
description, (28) 346. notes, (28) 844; (30) 149, 538; (31) 343; (40) 845. on cotton, (32) 342. on okra, (38) 851. willkommi, description, (27) 152.	insects and their relations to plants, (39) 664.
F USEI OII—	midges—
determination in distilled spirits, (29) 798. insecticidal and larvicidal value, (34) 359.	adaptation in, (31) 155.
insecticidal and larvicidal value, (34) 359.	American, feeding habits, (26) 860.
Fushia n.g. and n.sp., description, (38) 857.	in New England States, (30) 253.
Fusicladium—	new species, descriptions, (26) 860.
butyrospermi n.sp., description, (30) 48.	notes, (27) 57. of New York, (34) 752.
dendriticum, see Apple scab.	of north of England (20) can
depressum petroselini, notes, (28) 851.	of north of England, (39) 866. studies, (28) 455; (30) 657; (33, 253; (40) 163
effusum, notes, (39) 459. effusum, treatment, (31) 245; (39) 553.	mites, injurious, notes, (32) 651.
macrosporum n.sp., description, (26) 651.	
macrosporum, notes, (37) 253, 838; (38) 153, 356.	pod-shaped, description, (30) 251. sickness, see Anaplasmosis.
parasitism, (27) 46.	wasne type energes (40) 889
pirinum—	wasps, type species, (40) 862. weevil, rigla, notes, (27) 53.
description, (31) 749.	weev'ls injurious to crucifers, (33) 648.
notes, (34) 846.	Gal-lamziekte, paper on, (29) 476.
relation to weather, (32) 842.	Galleria mellonella, see Bee moth, and Wax moth
pruni, notes, (40) 749.	
pruni, notes, (40) 749. sp. on pears, treatment, (32) 842.	of Germany (31) 157
spp. on orchard fruits, (37) 550.	of Germany, (31) 157. parasites of, (28) 456. studies, (26) 361.
spp., studies, (28) 241.	studies (26) 361
vanillae, description, (27) 450.	
Fusicoccum—	Gallie acid—
cinerescens, notes, (27) 747.	effect on fungi, (28) 444.
perniciosum, notes, (40) 160.	utilization by plants, (36) 329. Gallinaceac—
putrefaciens—	female, secondary male sex characters in, (31)
n.sp., description, (38) 252.	572.
relation to temperature and rainfall, (38)	secondary sex characters in, (26) 774; (28) 877.
454.	Gallinae, secondary sex characters, changes in, (33)
treatment, (39) 749.	272.
Gabi—	Gallinules, North American, distribution and
culture, (38) 231.	migration, (32) 55.
culture and analyses, (32) 37. culture in Philippines, (40) 231, 244.	Gallogen, nature and use, (26) 580.
Godfirmess also Tahanya ann	Gallowaya pini, notes, (31) 348.
Gadfly—see also Tabanus spp. in Florida Everglades, (40) 757. in lands, prevention, (37) 867. notes, (29) 454.	Galls—
in lands prevention (27) 267	artificial production, (38) 426.
notes (20) 454	Chinese, notes, (38) 764.
Gages, automatic, use in stream measurement, (33)	fungus, storage of reserve materials in, (28) 429.
777.	insect—
Galactan—	descriptions, (39) 868.
determination in food and feeding stuffs, (29)	formation, (34) 557.
411.	morphology and biology, (29) 353.
of Larix occidentalis, (35) 611.	notes, (31) 155.
Galactase of milk, fermenting power, (31) 413.	of America Patt (40) 554
Galactose-	of Java, (34) 549.
absorption in the intestines, (28) 763.	of Ohio, (32) 557.
accustomation of yeast to, (28) 202.	uses, (39) 154.
absorption in the intestines, (28) 763. accustomation of yeast to, (28) 202. crystalline pentacetate of, (35) 502.	of Java, (34) 549. of Ohio, (32) 557. uses, (39) 154. of Germany, (31) 157. Java, (38) 259. North America, (27) 480.
detection in presence of factose, (28) 200.	Java, (38) 259.
determination, (26) 709; (36) 713.	North America, (27) 460.

52831-26†---18

Galls-Continued.	Garbage—Continued.
of plants in Europe, (30) 852.	tankage—continued.
plants, textbook, (26) 242. Gallus and Phasianus hybrids, sex organs of, (28)	for pigs, (32) 569. nitrogen of, (40) 134.
877.	Garbanzus as affected by sodium chlorid, (40) 435.
Gamasid sp., notes, (28) 457. Gambrus stokesii n.sp., description, (28) 162.	Garden— architecture, treatise, (31) 536.
Game-	chafer, notes (30) 53.
and fish laws of Massachusetts, (26) 59. and fish laws of Michigan, (26) 59.	contests for boys and girls, (28) 194. cress seeds, germination tests, (27) 330.
animals, treatise, (33) 77.	crop diseases, (35) 814.
animals, treatise, (33) 77. as a reservoir of human trypanosomiasis, (34)	crop diseases—
187. conservation, (38) 555.	and pests, treatise, (35) 835.
diseases in British East Africa, (30) 576.	in Switzelland, (35) 546. notes, (27) 644, 742; (28) 238, 450; (31) 746; (38) 257.
diseases, notes, (26) 373. in California, (31) 846.	(38) 257.
laws, (40) 54, 751.	treatment, (27) 452; (38) 241. crop manuring, handbook, (31) 336.
laws—	crops—
and regulations of Alaska, (26) 854.	analyses, (26) 45. animals injurious to, (26) 452.
1912, (28) 853.	as affected by asphyxiating gas, (37) 253.
1913, (30) 52.	culture experiments, (27) 638.
for 1911, (26) 245. 1912, (28) 853. 1913, (30) 62. 1914, (32) 244. 1915, (34) 157. 1916, (38) 151. 1917, (38) 456	culture in South Australia, (35) 835; (38) 540.
1916, (36) 151.	olectroculture experiments (30) 788
	fertilizer experiments, (28) 236. insects affecting, (26) 147; (27) 53, 344, 356, 438, 552, 644, 712; (28) 238, 450; (29) 158, 252, 853; (30) 853; (32) 445; (37) 157, 356; (32) 447, 357, 356; (33) 457, 447, 357, 356; (34)
handbook, (32) 150. of Alaska, (36) 653; (40) 751.	438, 552, 644, 742; (28) 238, 450; (29) 158,
California, (26) 339.	252, 853; (30) 853; (32) 448; (37) 157, 356;
New Jersey, (27) 856. New York, (28) 248.	(38) 157, 241, 257, 459, 556, 558.
Pennsylvania, (27) 355; (34) 650. United States and Canada, handbook,	(38) 157, 241, 257, 459, 556, 558. manuring, (37) 645. of Agra and Oudh, (31) 235.
United States and Canada, handbook,	of Long Island, marketing, (30) 295.
(30) 153. Washington, (27) 254.	phenological data, (33) 825. slugs affecting. (26) 658.
West Virginia, (26) 554. legislation, historical summary, (27) 52.	slugs affecting, (26) 658. spraying, (27) 144. varieties, (29) 540.
plague bacterium, opsonic power of serums	varieties, (29) 540.
against, (27) 285. preserves, National, (28) 56.	design, loctures on, (31) 340.
preserves, National, (28) 56.	design, treatise, (29) 42; (31) 743.
protection— and propagation, (32) 447.	flea hopper, notes, (28) 854; (38) 154.
and propagation in America, handbook, (30)	design, bibliography, (30) 644. design, loctures on, (31) 340. design, treatise, (29) 42; (31) 743. flea-beetles, control, (39) 767. flea hopper, notes, (28) 854; (38) 154. flea, notes, (28) 158. furniture and accessories treatise, (37) 746.
in Alaska, (28) 56, 553.	
in Pennsylvania, (28) 155. officials and organizations, (28) 56; (29) 852.	furniture, concrete, construction, (27) 645. insects—see also Vegetables, insects affecting. and diseases, control, (40) 638.
officials and organizations, (28) 56; (29) 852.	and diseases, control, (40) 638.
putrefaction of, (34) 163. wild, relation to trypanosome diseases, (30) 781.	in Louisiana, (40) 57, manual, (40) 649, notes, (40) 163, 256, overwintering and control, (40) 245.
Gametes, reduplication of terms in series of, (30)	notes, (40) 163, 256.
328. Gametic coupling as a cause of correlations, (27) 769.	remedies, (38) 51.
Ganaspis—	* summary of information, (38) 54.
hookeri n.sp., description, (30) 661. n.sp., notes (29) 652.	irrigation, possibilities, (28) 785.
Ganders, reproductive organs of, (26) 876.	ornaments, treatise, (36) 644.
Gandul as a cover crop, (34) 736. Ganeshkhind Botanical Garden, (35) 643.	miliped, notes, (28) 554. ornaments, treatise, (36) 644. plans, treatise, (36) 641. planting calendar, (38) 786. seed industry in United States, (36) 535. slugs, notes (28) 158; (40) 56. slugs, spatial, (40) 55.
Gangrene-	seed industry in United States. (36) 535.
gas, serum therapy, (40) 53, 84, 381, 884, gas, treatment, (34) 383; (37) 377; (39) 885.	slugs, notes (29) 158; (40) 56.
of the lungs, spirochetes of, (26) 581.	slugs, spotted, (40) 55. webworm—
Ganoderma tumidum, notes, (35) 550.	as alfalfa pest, (39) 865.
Garbage— analyses, (29) 823.	notes, (28) 752.
analyses and fertilizing value, (36) 728.	remedies, (26) 250. studies, (35) 158.
as source of alcohol, (37) 590.	Gardeners—
burners, concrete, description, (30) 790. disposal, (28) 574; (34) 790.	education, (27) 200.
disposai in—	use of charcoal by, (33) 540. Gardenia, studies, (37) 239.
Alaska, (31) 360.	Gardening—see also School gardening and vege-
Europe, (30) 512. Toronto, (27) 219.	table gardening. and garden design, history of, (31) 239.
ierthizers from, (33) 219.	back yard, treatise, (37) 145.
fertilizing value, (29) 129. for forests. (33) 343.	by boy scouts in England, (26) 497. clubs in Rhode Island, (31) 693.
for forests, (33) 343. for pigs, (88) 274, 372; (40) 279, 778.	cooperative in Wisconsin, (28) 895. course for high schools, (29) 193.
household, feeding stuffs from, (34) 466.	course for high schools, (29) 193.
machine for grinding, (27) 521. relation to hog cholera, (28) 587.	courses in negro schools, (38) 92. courses in public schools, (31) 896.
relation to hog cholera, (28) 587. relation to house flies, (28) 255. siftings, analyses, (34) 521.	fall preparation for, (40) 44. for boys' and girls' clubs, (36) 496.
siftings, analyses, (34) 521. tankage—	for boys' and girls' clubs, (36) 496. herbaceous, treatise, (40) 640.
analyses, (26) 715; (32) 32. availability of nitrogen in, (26) 523, 725;	in Australia, treatise, (35) 444.
availability of nitrogen in, (26) 523, 725;	city hackvards (33) 540.
(35) 427. composition and fertilizing value, (37) 723.	elementary schools, (26) 597; (37) 395. England and America, treatise, (26) 337. France, treatise, (40) 245. Iceland, treatise, (30) 119.
digestibility, (39) 171. fertilizing value, (34) 219; (36) 325.	France, treatise, (40) 245.
ierthizing value, (34) 219; (36) 325.	iceland, treatise, (30) 119.

Gardening-Continued.	Garget, see Mammitis.
in Ohlo and Kanawha River valleys, (31) 44. public schools, (32) 492.	Garland School of Home Making, food cost at,
Salony, treatise, (26) 842.	(31) 659.
South Carolina, (27) 438.	Garlic— bulblets, destruction in seed wheat, (31) 739.
indoor—	culture, (40) 833.
and under glass, treatise, (28) 838. for schools, (33) 797.	culture experiments, (37) 529.
treatise, (30) 238.	disease, description, (30) 449.
	flavor, removal from milk and cream, (31) 771.
manual, (26) 47, 298, 693; (34) 39, 635, 836.	food value, (36) 863.
market, in New York, (31) 40.	for tice soils, (35) 338.
(35) 643; (37) 342, 543, 795; (38) 297, 442, 643	selection experiments, (30) 738; (32) 834.
manual, (26) 47, 298, 693; (34) 39, 635, 836. market, in New York, (31) 40. notes, (25) 91; (20) 395; (32) 289, 834; (33) 237; (35) 643; (37) 342, 543, 705; (38) 297, 442, 643' ornamental, see also Landscape gardening.	value in the diet, (29) 664. wild, eladication, (29) 403; (31) 739; (34) 736.
ornamental, (26) 842; (34) 238; (39) 244, 245 846; (40) 245, 340, 444, 536, 640.	Gardieum dipinnatum, analyses and digestibility,
	(32) 167. Garvanzo, vanetics, (28) 533.
ornamental— in Europe, treatise, (30) 644.	Gas—
in Florida, (35) 648.	analysis of small quantities, (32) 117.
in Oklahoma, (40) 247.	asphyviating, effect on vegetation, (37) 153, 253.
treatise, (33) 143, 442; (34) 238, 345, 535; (35)	burette, description, (35) 313, 314.
42, 345; (36) 142, 143, 639, 643, 644; (37) 145, 346, 746.	burner, new Teclu, (35) 801. cooker, description, (27) 65.
review of American literature, (35) 746.	cookers, efficiency, (31) 8=6.
seaside, (40) 447.	cooking, heating, and lighting, manual, (33)
syllabus for teachers, (33) 899. teacher training school in, (30) 597.	773. cooking, tests, (27) 65.
teacher training scnool in, (30) 597. teaching, (26) \$\frac{4}{3}\$; (29) \$41, 94. teabook, (33) \$88; (36) 693. treatise, (26) \$535; (27) \$41, \$42; (28) \$538, \$642; (29) \$41, \$44, \$495, \$40; (30) \$40; (31) \$140, \$142, \$40, \$532, 791; (32) \$232; (34) \$340, \$345, \$333; (35) \$36, \$445, 741; (36) \$55, \$639, 743, 744; (37) \$94, \$145, \$543, \$645, 742; (38) \$39, \$94, \$344, \$42; (39) \$240, \$245; (40) \$245, \$340, \$445, \$65, \$38. tropical, handbook, (32) \$45. use of explosives and blow lamp in. (33) \$684.	effect on plants, (30) 131, 432; (32) 524, 729;
texbook, (33) 898; (36) 693.	(33) 629; (38) 28.
Treatise, (20) 558; (27) 41, 842; (28) 588, 642; (29)	engines, see Engines, internal-combustion.
532, 791; (32) 232; (34) 340, 345, 833; (35) 36.	evolved, apparatus for measuring, (26) 26. formation in milk, (35) 676.
445, 741; (36) 535, 639, 743, 744; (37) 94, 145,	gangrene, see Gangrene.
543, 645, 742; (38) 39, 94, 341, 842; (39) 240,	generator, description, (37) 110.
tropical, handbook, (32) 45.	illuminating, effect on— greenhouse plants, (27) 332.
use of explosives and blow lamp in, (33) 684.	plants, (30) 131; (35) 636; (37) 726, 727.
vegetable, courses in, (35) 499.	roots, (34) 243
war emergency, hihliography, (39) 444	infections, evolution of views on, (39) 889.
window, for schools, (29) 898.	injurious to agriculture and forestry in Austria, (37) 528.
vegetable, courses in, (33) 499. vegetable, notes (35) 341. war emergency, bibliography, (39) 444. window, for schools, (20) 898. Gardens—see also School gardens and Vegetable	injurious to plants, (38) 28.
gardens. and garden design, bibliography, (32) 839.	lighting for farm houses, (27) 90.
children's home, notes (31) 791.	lighting plants, individual, tests, (28) 788. locomobile, description, (27) 791.
community, supervising, (31) 195. fall vegetable, (37) 645.	manufacture products, methods of analysis, (27)
fall Vegetable, (37) 645.	205.
farm, (38) 843. farm vegetable, '(35) 234.	methods of analysis, (33) 207. molecules, condensation and evaporation, (38)
farm vegetable, (35) 234. flower, notes, (30) 645, 696.	511.
nower, treatise, (27) 442; (33) 738.	movement in plants, (30) 202.
hanging, of ancient Peru, (35) 794.	mustard, pathology of poisoning by, (40) 382, phlegmon, specific, in hogs. (34) 479, plant, residue, fertilizing value, (39) 428.
in Los Angeles, (36) 294.	plant, residue, fertilizing value, (39) 428.
in the South, (32) 743.	plants and engines, suction, notes, (28) 786.
management, (31) 44.	poisoning of trees by, (31) 730. prices of in United States, (31) 558.
notes, (30) 696; (32) 494; (33) 598, 599, 696. on cotton farms, (40) 293.	pump, description,
paper on, (31) 499.	purification residue, utilization, (27) 219.
preparation and management, (29) 495.	for farm use, (32) 886.
suggestions for, (34) 635. in South Australia, (31) 836.	for plowing, (27) 387.
insects affecting, (26) 553; (29) 158; (32) 151;	for plowing, (27) 387. testing, (28) 200.
(33) 746; (35) 355.	use in cooring, (28) 101.
Italian, treatise, (33) 644. laws for protection in Michigan, (33) 438.	Gases—
management, (26) 539.	analysis, apparatus for, (40) 111. dissolved, determination in Waters and efflu-
mountain, treatise, (34) 45.	ents, (34) 410.
notes, (30) 462. planning and planting, (39) 450.	insoluble, from organic matter, composition
planting and care. (31) 693.	(29) 617. measuring density, (40) 202.
planting and care, (31) 693. rock, treatise, (26) 139; (27) 442; (31) 536.	methods of analysis, (27) 205.
seeding machine for, (%) 191	of swamp rice soils, (30) 515; (33) 216.
small, color grouping for, (33) 442.	Gasoline—
small, value, (38) 792. spraying, (32) 834. treatise, (26) 893, 899; (31) 143, 236. vacant lot, notes, (29) 95.	carburction, (37) 189.
treatise, (26) 393, 899; (31) 143, 236.	distillation, (38) 300.
vacant lor, notes, (29) 96. vegetable	enect on solis, (37) 519.
culture, (31) 438.	Gasoline— as vermituge, (38) 884. carburction, (37) 189. distillation, (38) 300. effect on soils, (37) 519. engines, tests, (27) 387, 388. fuel value, (27) 464; (28) 384. gas for small lighting plants, tests, (28) 788. insecticidal value, (34) 262; (39) 762. lighting plants, notes, (28) 291. power, use on farms, (27) 484. properties, testing, and specifications, (38) 389. substitutes, tests, (32) 785. tiller, description, (36) 891. Gasometric determinations, technique, (40) 202.
illustrated lecture, (37) 297. notes, (26) 237; (30) 738; (31) 494; (37) 447. on irrigated farms, (31) 336.	gas for small lighting plants, tests, (28) 788.
notes, (26) 237; (30) 738; (31) 494; (37) 447.	Insecticidal Value, (34) 252; (39) 762.
planting, (31) 394.	power, use on farms, (27) 484.
Gargaphia solani—	properties, testing, and specifications, (38) 389
investigations, (33) 355.	substitutes, tests, (32) 788.
n.sp., description, (33) 355. notes, (35) 657.	Gasometric determinations, technique, (40) 202.

```
Gasterocercodes gossypii—
in Brezil, (3e) 54.
n. g. and n.sp, description, (32) 658
                                                                                                                                                                                                                                        Gelatin-
                                                                                                                                                                                                                                                         and protoplasm, similarity in behavior. (37)
                                                                                                                                                                                                                                                       431.
antigenic properties, (36) 787.
as binder for ice cream, (36) 78.
as human food, (35) 163.
as source of bacteria in ice cream, (28) 167, detection in sour cream, (31) 210.
determination, (26) 805.
dotermination of zine and copper in, (40) 712, distribution of nitrogen in, (3c) 269.
  Gasteromycetes, new or rare species, (39) 30.
  Gastric-
                 and pancreatic fat digestion in infants, (29) 365. digestion as affected by rice diet, (28) 760. digestion of proteins in man, (31) 161.
                                  action on zein and gliadin, (28) 66.
                antiseptic action, (35) 559.
normal secretion, (36) 664.
of constant audity, secretion, (32) 764.
Young's studies in 1803, (40) 569.
lipase, studies, (39) 875.
residuum of women and men, (36) 562.
residuum of women, phosphorus content, (39)
                                                                                                                                                                                                                                                       effect on—
bucterial content of ice cream, (32) 660.
dogs, (28) 568.
ice cream, (30) 476.
feeding during inanition, (26) 465.
food preparations from, (32) 864.
hydrolysis of, (26) 22.
manufacture, (27) 763.
nitrification in soils, (26) 722.
nutritive value, (29) 868.
occurrence of arsenic in, (26) 464.
resorption in the small intestine, (26) 159.
rôle in glycogen formation, (31) 763.
roller waste, analyse, (34) 521.
swelling in polybasic acids and their salts, (38)
501, 502.
use in food products, (34) 167.
                 residuum, properties of, (34) 663. response to foods, (40) 269.
                                retion—
and urine ammonia, (40) 766.
and urine ammonia, (40) 766.
as affected by bitter tonics, (32) 858.
as affected by pod accessories, (26) 466.
as affected by meat extract, (31) 662.
as affected by muscular fatigue, (26) 160.
during digestion, (30) 464.
during fasting, (40) 270.
effect on chlorin supply of body, (26) 465.
following water ingestion, (30) 766.
in infants' stomachs, (40) 71.
in man, (34) 463.
mechanics of (30) 201.
relation to salivary glands, (40) 867.
tie. narsatio—
                  secretion-
                                                                                                                                                                                                                                                           use in food products, (34) 167.
use in ice cream making, (36) 875.
use in spraying materials, (33) 450.
                                                                                                                                                                                                                                         Gelechia—
cere allela, coutrol, (39) 862.
confusella, biology and remedies, (38) 861.
gossypiella, see Cotton bollworm, pink.
hibiscella, studies, (40) 754.
operculella, see Potato tuber worm.
pseudaacaiella, notes, (35) 356.
trialbamaculella, notes, (28) 352.
Gelignite, subsoiling experiments with, (29) 785.
Gels for studying protoplasmic action, (37) 325.
General Education Board—
activities of, (32) 896.
agricultural grants of, (31) 400.
Generity cypes, determination, (35) 282.
                                                                                                                                                                                                                                           Gelechia
   Gastritis, parasitio—
in cattle, (28) 481.
in goats, (30) 685.
in sheep, (27) 86, 475; (28) 481; (34) 275.
  Gastrodia elata, symbiosis with Armillaria mellea,
           (27) 224.
   Gastrodiscus aegyptiacus, injurious to horses, (26)
          384.
   Gastroenteritis-
  of eattle, (26) 67s.
of sheep and goats, (37) 380.
Gastroidea viridula, feeding habits, (28) 553.
                                                                                                                                                                                                                                           Generic types, determination, (35) 328.
                                                                                                                                                                                                                                         Genetic—
and nongenetic factors, interrelation, (28) 531.
data, accuracy in recording, (36) 332.
relationships, studies, (33) 522, 823.
relationships, studies, (33) 522, 823.
Genetics—see also Heredity and Hybridization.
application of principles of, (30) 329.
application to breading problems, (39) 877.
at Graduate School of Agriculture, (31) 305.
bibliography, (28) 370.
cytology in study of, (26) 672.
international congress of, (31) 200.
laboratory manual, (40) 693.
modes of research in, treatise, (34) 563.
of plants, textbook, (40) 817.
present status, (27) 671.
teaching, (28) 570.
teaching in agricultural colleges, (29) 769.
textbook, (39) 671.
treatise, (28) 876; (30) 264; (31) 70.
Geniocerus—

B.SDD. descriptions, (30) 857, (33) 260.
                                                                                                                                                                                                                                           Genetic
Gastrointestinal—
disturbances due to rancid butter, (28) 353.

disturbances due to rancid butter, (27) 866.
infections, hemorrhagie, in dogs, (28) 588.
lavage in dogs, (40) 482.
studies, (34) 659, 862.

Gastropacha pini, studies, (35) 759.
Gastrophilus—see also Horse bots.
duodenalis, studies, (40) 458.
equi, see Gastrophilus intestinalis.
haemorrhoidalis, notes, (36) 553.
intestinalis, investigations, (38) 83.
nasalis, notes, (27) 259; (40) 458.
nasalis, oviposition, (39) 362; (40) 684.
pecorum, studies, (39) 686.
spp., notes, (26) 781.
spp., relation to swamp fever in horses, (38) 689.
spp., studies, (39) 81, 156, 189, 686; (40) 458,
SSS.
Gates, construction, handbook, (33) 291.
                                                                                                                                                                                                                                             Geniocerus-
                                                                                                                                                                                                                                            Genicoerus—
n.spp., descriptions, (30) 857; (33) 360.
spp., notes, (34) 450.
Genital glands, endocrine rôle, (40) 871.
Genitalia, female, blochemistry of, (29) 66.
Genotypical factors, mutual influence, (36) 434.
Genitan violet—
   Gates, construction, handbook, (33) 291.
Gayal-cattle hybrids, measurements, (27) 672.
    Gayals-
  Gayals—
hybridization experiments, (28) (670.
measurements, (27) 672.
Gazella dorcas, relation to sheep pox, (28) 183.
Gazelle, rel tion to sheep pox, (28) 183.
Geanthemum, description, (31) 339.
Gear, traction, description and tests, (29) 389.
Geasteroides tevensis, n.g. and n.sp., description, (20) 20.
                                                                                                                                                                                                                                                             effect on protozoa and growing tissue, (32) 373. toxicity and fate in the animal body, (30) 277.
                                                                                                                                                                                                                                           Gentiobiose—derivatives, rotatory powers, (37) 502.
notes, (31) 310.
Gentiopierin, decomposition by emulsin, (29) 505.
Geochemistry, data of, (26) 517; (35) 16.
Geococyx californianus, food habits, (37) 156.
"Geocol," notes, (36) 419.
Geoderees—
   Gecko as a host of Phlebotomus minutus, (30) 159.
    Geese
                 ese—
ancestry, (34) 569.
as affected by antimony, (28) 73.
care and management, (32) 869; (39) 176.
disease of, notes, (39) 892.
fattening in Germany, (30) 873.
management, (40) 177.
origin and history of breeds, (27) 572.
raising, (36) 772.
serum proteins of, (32) 861.
Lipatias. (28) 270.
                                                                                                                                                                                                                                                            incomptus, notes, (40) 753.
melanothrix, notes, (35) 364.
                                                                                                                                                                                                                                             Geography-
                                                                                                                                                                                                                                                            commercial, textbook, (28) 298.
forestry in, (27) 393.
industrial and commercial, textbook, (31) 793.
                                                                                                                                                                                                                                                            manual, (34) 599.
of Minnesota, (26) 385.
                     treatise, (26) 270.
```

Geography—Continued.	Germ-Continued.
of northern Florida, (33) 525.	plasm—continued.
of world's agriculture, (38) 895.	experimental modification, (34) 33.
Geoica squamosa, notes, (29) 252; (40) 752.	of Oenothera as affected by chemicals, (39)
Geologic-agronomic maps—	30.
importance, (28) 619.	protozoan, notes, (26) 876.
importance, (28) 619. notes, (27) 720.	German Association of Economic Entomology, (32)
Geological	847.
course for agricultural instructors, (29) 495.	Germicides—
map of Montana, (40) 419.	comparative value in sugarhouse work, (32) 717.
maps of Germany, (27) 513. Survey, see United States Geological Survey.	tests, (36) 177.
	Germinal continuity, law of. (28) 767.
Geology-	Germination—see also Seeds and various crops.
agricultural, treatise, (36) 617.	review of investigations, (35) 129.
course in for agricultural teachers, (28) 795. engineering, treatise, (32) 784; (35) 489.	Gerstaeckeria spp., notes, (28) 451.
engineering, treatise, (32) 104, (33) 409.	Gestation, prolonged, in suckling mice, (40) 469.
in relation to agriculture and sanitation, trea-	Ghee, analyses, (33) 578, 866.
tise, (30) 212.	Gherkin skins, isolation of fat from, (29) 459.
of Coastal Plain of Virginia, (28) 422.	Giant Cuzo corn, culture experiments, (28) 532. Giardia microti n.sp., description, (35, 52.
Florida, (30) 17. Iowa, (28) 316.	Giardiasis in rats, treatment, (10) 884.
Neva drainage basin, (26) 621.	Gibberella—
New South Wales, relation to soils, (26) 216	briosiana n.sp., description, (27) 854.
New South Wales, relation to soils, (26) 216. north-central Texas, (29) 209.	pulicaris, notes, (27) 50.
	saubinetii—
northwest Minnesota, (33) 617.	notes, (38) 646.
south-central Washington, (29) 15.	on sweet potatoes, (31) 544.
southeastern Texas coastal plain, (32) 384.	studies, (39, 854; (40) 347.
northwest Minnesota, (33) 617. south-central Washington, (29) 15. southeastern Texas coastal plain, (32) 384. southern peninsula of Michigan, (28) 422. Sulphur Spring Valley, Arizona, (30) 18; (35) 83. Tonnessa, hillegraphy. (26) 819.	sp. on Sophora, (40) 844.
Sulphur Spring Valley, Arizona, (30) 18; (35) 83.	spp., on cornstalks, (40) 49.
Tennessee, bibliography, (26) 812. the Far East, (30) 46.	on sweet potatoes, (31) 544. studies, (39) 854; (40) 347. sp. on Sophora, (40) 844. spp., on cornstalks, (40) 49. Gibellula arachnophila, description, (33) 459.
the Far East, (30) 46.	Gid disease in sheep, (39) 283.
Tularosa basin. New Mexico, (32) 784.	Ginger—
surface, of Michigan, (39) 512. Geometrid species, early stages of, (26) 758.	ale, sugar substitutes in. (39) 769. culture experiments, (32) 227.
Geometridea nomenglature (24) 651	culture in Philippines, (40) 231.
Geometrica, nonicuctature, (34) 051.	culture under dry ferming (20) 425
Geomyzinae synonsis (20) 657: (20) 254	culture under dry farming, (30) 435.
Geometridae, nomenclature, (34) 651. Geomyces n.g. and n.spp., descriptions, (34) 226. Geomycinae, synopsis, (29) 657; (30) 254. Geophysical stations, need of, (38) 812.	ground, analyses, (32) 253. pungent principles, (37) 512; (39) 412, 610. soft rot, notes, (27) 747; (28) 241. tincture, composition, (26) 464.
Georgia—	soft rot. notes. (27) 747: (28) 241.
College, notes, (26) 96, 395, 694; (27) 493, 799; (28)	tincture, composition, (26) 464.
College, notes, (26) 96, 395, 694; (27) 493, 799; (28) 93, 696; (29) 697; (31) 695; (32) 395; (33) 399, 699; (34) 600; (35) 96, 397, 697; (36) 599, 796; (38) 96;	Gingerol, notes, (37) 612.
(34) 600; (35) 96, 397, 697; (36) 599, 796; (38) 96;	Ginkgo biloba, sexual dimorphism and variation.
(39) 95; (40) 495, 600.	(39) 123.
Station-	Ginning as factor in cottonseed deterioration, (33)
financial statement, (27) 97; (29) 599. notes, (27) 493; (28) 696; (29) 300, 697; (30) 698, 796; (31) 397, 695; (32) 395, 900; (34) 295,	833.
notes, (27) 493; (28) 696; (29) 300, 697; (30)	Ginseng—
698, 796; (31) 397, 695; (32) 395, 900; (34) 295,	Alternaria blight, description and treatment,
900; (35) 596, 697; (30) 196, 397; (39) 800; (40)	(27) 446.
495.	blight, treatment, (27) 747.
report, (33) 196; (35) 94; (37) 95. report of director, (27) 97; (29) 599.	culture, (29) 639.
Thirdesity notes (26) 706	culture and preparation, (35) 647. culture in United States, (27) 346.
University, notes, (26) 796. Geothlypis beldingi goldmani n.subsp., description,	disposes notes (27) 640: (20) 540 751: (20) 640:
(39) 154.	diseases, notes, (27) 649; (29) 549, 751; (30) 649; (32) 641; (34) 244.
Geotropism in plants, (37) 325, 821.	diseases, treatment, (35) 547.
Geotrupes sylvaticus, digestive ferments of, (26) 657.	handbook, (27) 346.
Gephyramoeba delicatula n.g. and n.sp., description,	Phytophthora disease, studies, (31) 447; (34)
(32) 321.	746.
Geraeus perscitus, notes, (32) 658.	root rot, studies, (27) 247; (34) 245.
Geranium	root rot, treatment, (36) 249.
bacterial blight, notes, (30) 537.	Sclerotinia affecting, (34) 350.
Botrytis discuse, (39) 858.	Gioddu—
diseases, notes, (27) 752.	composition, (36) 674.
leaf spot, notes, (40) 841.	effect on human metabolism, (35) 472.
leaf spot, studies, (37) 856.	studies, (30) 276. Gipsy moth—
oil industry in Nılgiris, (38) 9. pyrenaicum, premature fall of petals, (27) 230.	
robertianum flowering of (20) 20	bacillary septicemia of, (30) 54. caterpillars, bacterial disease, (39) 465. control, (26) 855; (28) 553, 556; (29) 255; (30) 654; (32) 850; (33) 57; (36) 456; (37) 55, 254, 452, 563; (39) 750, 760, 764.
robertianum, flowering of, (30) 29. rose, culture, (30) 44.	cater pinars, bacterial disease, (00) 400.
rose, culture in Algeria, (29) 149.	(32) 850; (33) 57; (36) 456; (37) 55, 254, 452, 563;
Geraniums—	(39) 750, 760, 764.
breeding experiments, (40) 840.	
cut, preservation, (31) 837.	by forest utilization, (38) 145.
termites affecting, (33) 58.	by natural enemies in Canada, (35) 465.
varieties, (32) 839.	by parasites, (38) 159.
Germ-	in Canada, (33) 746.
cells—	by natural enemies in Canada, (35) 465. by parasites, (38) 159. in Canada, (33) 740. Connecticut, (35) 53. Massachusetts, (27) 455; (28) 643; (30) 98, 743; (33) 144; (36) 843; (37) 646. New England, (33) 254. New Henrshiva (33) 858; (25) 461
as affected by poisons, (37) 370.	Massachusetts, (27) 455; (28) 643; (30)
experimental modification, (39) 177.	98, 743; (33) 144; (36) 843; (37) 646.
nereditary material in, (32) 697.	New England, (33) 254.
male and temate, share in heredity, (39) 573.	1464 Trampanic, (60, 660, 660, 464.
male, as anected by poison, (35) 368.	United States, (31) 251.
experimental modification, (39) 177. hereditary material in, (32) 697. male and temale, share in heredity, (39) 573. male, as affected by poison, (33) 368. middlings, analyses, (27) 170; (29) 367; (31) 467; (33) 568; (35) 562; (37) 471. oil meal, analyses, (31) 73, 168, 467; (33) 870.	destruction by starlings, (40) 647. dispersion by wind, (37) 254.
oil mest analyses (31) 72 182 487 (22) 570	dispersion by white, (37) 254. dissemination, (28) 655.
plasm-	distribution in Canada, (38) 459.
as a stereochemic system, (32) 501; (34) 111.	eggs, destruction by birds, (27) 355.
as affected by environment, (28) 767.	food plants of, (33) 453.
current conceptions, (27) 468.	important natural enemy of, (26) 350.

Gipsy moth—Continued.	Glaciation—
in cranberry bogs, (33) 352, (36) 54; (39) 60.	effect on agriculture, in Ohio, (32) 317.
Crimea, (33) 155	ın Indiana, (29) 815.
Connecticut, (37) 259.	Glaciers, Alpine, variations, (38) 812.
Great Britain, (38) 562.	Gladioli, evolution, (34) 237.
Nova Scotia, (30) 752.	Gladiolus—
larvae, dispersion by wind, (33) 653.	colvilli, bacteriosis of. (29) 844.
larvae, dissemination of white pine blister rust	dry 10t, studies, (39) 758.
by. (38) 860.	hard rot disease of, (36) 453.
notes, (26) 59; (27) 356, 857, (28) 57, 155, 157, 752,	history, culture, and hybridization, (36) 643.
854; (29) 251, 252; (30) 549, (31) 548, 848; (33)	smut, notes, (26) 446.
notes, (26) 59; (27) 356, 857, (28) 57, 155, 157, 752, 854; (29) 251, 252; (30) 549, (31) 548, 848; (33) 61; (34) 752; (38) 58.	varieties, (37) 345.
parasite of, (27) 359.	Gland extracts, action on tubercle and other acid
parasites and enemies in Canada, (38) 556.	fast bacilli, (38) 51.
parasites in Maine, (37) 459.	Glanderous serum, reversible precipitation, (37) 377
parasites of, (28) 859; (30) 460; (31) 355, 652; (34)	Glanders-
652; (39) 662; (40) 57.	bacillus-
parthenogenesis in, (38) 261.	agglutination by normal horse serum, (28)
polyhedral virus, (40) 255.	286; (29) 677.
portable insectary for, (40) 752.	as affected by calcium hypochlorite, (40
sex development in, (32) 349.	478.
tree bands for, (37) 258.	morphology and biology, (31) 579. organism resembling, (26) 279.
wilt disease—	organism resembling, (26) 279.
dissemination, (35) 758.	chronic, infectiousness, (26) 173.
notes, (27) 456; (28) 254, 859; (30) 755.	control in—
studies, (27) 659 660; (30) 456; (33) 251.	Austria, (37) 781.
Girls'—	Austria, (37) 781. Canada, (26) 376; (31) 79.
agricultural—	England, (36) 275. Hawaii, (34) 477.
club champions in 1913, (30) 399.	Hawaii, (34) 477.
-1b- formation (00) 700	Kurland, (27) 285.
competitions, (33) 196.	Minnesota, (27) 77.
competitions, (33) 196. competitions, (33) 196. school at Berlaer, Belgium, (30) 93. and boys' agricultural clubs, (28) 194. and boys' olubs, notes, (28) 395. and boys on the farm, (24) 299.	New York, (34) 185, 782.
and boys' agricultural clubs, (28) 194.	Prussia, (33) 387.
and boys' clubs, notes, (28) 395,	detection, (37) 79.
and boys on the farm, (20) 299.	diagnosis, (26) 177, 279, 376, 578, 582, 676, 679, 882
canning clubs—	883; (27) 81, 183, 284, 285, 578, 681, 782, 883, (28)
in Kentucky, (32) 197.	286, 376, 478, 479, 480, 587, 779, 880; (29) 284
in Mississippi, (29) 495.	499, 677; (30) 280, 480, 686, 881; (31) 83, 282, 380
carning clubs— in Kentucky, (32) 197. in Mississippi, (29) 495. organizing and conducting, (26) 795.	480, 579, 879; (32) 81, 180, 374, 580, 682, 779; (33)
CIUD WOLK—	180, 387, 479, 480, 773, 774; (34) 81, 185, 276, 576
in Massachusetts, (34) 394.	677, 781, 782; (35) 780; (36) 180, 382, 480, 579
in Nevada, (34) 899.	676, 880; (37) 689, 878; (38) 284, 886; (40) 84
in Nevada, (34) 899. manual for rural teachers, (36) 294.	186, 288, 583, 680, 779, 885.
school credit for, (33) 799; (36) 293.	Kurland, (27) 285. Minnesota, (27) 77. New York, (34) 185, 782. Prussia, (33) 387. detection, (37) 79. diagnosis, (26) 177, 279, 376, 578, 582, 676, 679, 882, 883; (27) 81, 183, 284, 285, 578, 581, 782, 883, (28) 286, 376, 478, 479, 480, 587, 779, 880; (29) 284, 499, 677, (30) 280, 480, 587, 879; (38) 180, 374, 580, 682, 779; (33) 180, 387, 489, 480, 579, 879; (32) 81, 180, 374, 580, 682, 779; (33) 180, 387, 479, 480, 773, 774; (34) 81, 185, 276, 576, 677, 781, 782; (35) 780; (36) 180, 382, 480, 579, 676, 880; (37) 689, 878; (38) 284, 886; (40) 84, 186, 228, 583, 680, 779, 885. diagnosis, intrapalpebral test, (36) 80, disease of mules simulating, (28) 887. dissemination by public drinking troughs, (29, 499.)
clubs—	disease of mules simulating, (28) 887.
animal husbandry course for, (35) 396.	dissemination by public drinking troughs, (29
food production by, (38) 795. gardening for, (30) 496. in Arkansas, (33) 95. Canada, (38) 207; (40) 396. Georgia, (33) 792. Maine, (33) 697. Nassnelbusetts, (30) 597; (31) 598	499.
gardening for, (36) 496.	eradication, (27) 576; (34) 677. eye test in, (26) 582.
in Arkansas, (33) 95.	eye test in, (26) 582.
Canada, (38) 207; (40) 396.	fluctuations of agglutination titer in, (30) 480.
Georgia, (33) 792.	immunization, (27) 379, 782; (28) 286, 779; (30)
Maine, (33) 697.	fluctuations of agglutination titer in, (30) 480. immunization, (27) 379, 782; (28) 286, 779; (30) 481, 578; (31) 38; (35) 75; (36) 679. in Brazil, (38) 784.
Massachusetts, (30) 597; (31) 598. Michigan, (30) 794.	in Brazil, (38) 784.
Michigan, (30) 794.	Connecticut, (34) 274. England, (32) 271.
Michigan, projects for, (33) 792. Nebraska, (32) 598.	England, (32) 271.
Nedraska, (32) 598.	Germany, (28) 583. Great Britain, (31) 177; (34) 382; (36) 378. Haweii, (31) 177
Oklahoma, (36) 94.	Great Britain, (31) 177; (34) 382; (36) 378.
rural schools, (32) 693.	Hawaii, (31) 177. Prussia, (27) 181.
Utah, (31) 693.	Prussia, (27) 181.
instructions for, (31) 298, 793, 794. material supplied to, (33) 792.	Washington, (37) 477.
notes, (27) 395; (29) 93, 394, 395; (33) 195, 599,	nodules and parasitic nodules, differentiation
898.	(32) 374.
organization (31) 400: (32) 506 602: (34) 703	notes, (26) 373; (27) 475; (39) 283, 387; (40) 86 676, 778,880.
organization, (31) 499; (32) 596, 692; (34) 793. contest clubs, dangers in, (33) 296.	of the lines in horses (97) 685
contests in Rhode Island, (28) 299.	of the lungs in horses, (27) 685. outbreak in Waipio Valley, (28) 779. outbreaks in England, (38) 282.
country, life of, (34) 290.	outbreaks in England (38) 282
demonstration work in the South, (26) 598; (32)	papers on, (34) 576.
492.	prophylaxis, (34) 782.
domestic science clubs in Pennsylvania, (31)	sero-diagnosis, (27) 77, 183, 378, 478.
393.	serum, preparation, (38) 379.
educating for the home, (29) 362.	serum, preparation, (38) 379. spread by open water troughs, (26) 782; (27) 77
educating for the home, (29) 362. field-crop competitions, (34) 493.	treatment, (26) 578; (27) 183; (28) 79; (36) 678.
gardening clubs in Rhode Island, (31) 693.	Glandular—
home economics instruction for, (33) 298.	cells, function of (28) 272.
homemakers clubs for, (33) 299.	diseases, immunization, (35) 574.
industrial—	Glass—
and vocational training for, (28) 499.	ground, effect of ingestion, (40) 385.
clubs in Oregon, (31) 393; (32) 394.	vessels, permanent marking, (40) 609.
clubs in rural schools, (31) 297.	Glassware—
pig clubs in Louisiana and Georgia, (31) 598.	chemical, tests, (38) 309.
potitry clubs, organization, (28) 599; (30) 395.	laboratory, drying rack for, (36) 805.
science work for, (36) 194.	Glaucolepis n.g. and n.sp., description, (37) 564.
sewing clubs, notes, (29) 395.	Glauconite-
tomato clubs, notes, (28) 796.	action of fertilizer salts on, (35) 326.
training for house servants, (31) 490. vocational training in New York, (40) 597.	as source of potash, (39) 218, 219.
vocational training in New York, (40) 597.	extraction of potash from, (27) 323.
Glacial deposits of Netherlands, studies, (26) 813.	sand, fertilizing value, (29) 625.

	· · · · ·
Glaucum corniculatum, analyses, (33) 466.	Glossonovium Continued
Glaze, notes, (38) 511.	Gloeosporium—Continued.
Glecoma hederacea-	polystigmicolum n.sp., description, (29) 752. ribis, notes, (30) 246.
betains in, (27) 201.	rufomaculans, notes, (40) 47
poisoning of horses by, (32) 278.	rufomaculans, notes, (40) 47. sp., notes, (26) 841; (28) 153, 241; (31) 55.
Gliadin—	sp. on appies, (34) 644.
alcohol solution portion of, (29) 201. as affected by gastric juice, (28) 66.	sp. on bananas, (34) 841. sp. on cassava, (34) 841.
as affected by fastile juice, (20) 00.	sp. on cassava, (34) 841.
as affected by heat, (26) 866. copper compounds of, (37) 9.	sp. on coconuts, (34) 242.
determination in flour, (27) 111, 498; (31) 208.	sp. on horse chestnut shoots, (36) 52. sp. on rubber, (33) 449.
determination in wheat, (26) 22.	sp. on shade trees, (38) 249.
determination in flour, (27) 111, 498; (31) 208, determination in wheat, (26) 22, effect on wheat gluten, (26) 67, hydrolysis products of, (33) 867, in flour couplity, (27) 113	sp. on spice bush, (31) 844.
nydrolysis products of, (33) 807.	sp. on tomatoes, (33) 445; (34) 841.
in flour, quality, (27) 112. lysin content, (29) 408; (31) 559.	sp., relation to damping off of truck crops. (35)
modifications in. (29) 608.	841.
modifications in, (29) 608. nutritive value, (31) 264; (35) 368.	spp. as affected by temperature, (34) 541. spp. in Barbados, (36) 541.
of wheat and parley holdern, relationship, (31)	spp., notes, (28) 444.
377.	spp., studies, (26) 749; (37) 245,
proteoses, physiological action, (34) 71.	taxicolum, notes, (26) 853.
rôle in nutrition, (28) 864. separation from nongliadin proteins, (34) 610.	thalictri, notes, (26) 341.
studies, (29) 201.	tiliae, notes, (37) 550.
wheat, hydrolysis, (28) 607.	tiliaecolum, notes, (35) 251. venetum—
Gliocladium spp. in Norway, (31) 327.	life history and treatment, (38) 853.
Gliptocranium gasteracanthoides, notes, (38) 566.	notes, (33) 350; (40) 53,
Globin caseinate, antigenic properties, (32) 79. Globulin—	perfect stage, (38) 252.
determination in milk, (31) 114.	studies, (36) 347.
from cotton seed, (36) 804.	treatment, (33) 54. Glomerella—
of buckwheat, (39) 201.	anthurii n.sp., description, (37) 550.
serum, density and solution volume, (31) 804.	as affected by temperature, (32) 749; (34) 541.
Globulins—	cingulata—
determination and purification, (26) 709.	description, (30) 453.
in bacterial infection and immunity, (36) 778.	notes, (31) 641; (33) 348; (34) 247. on apple, (39) 251, 551.
of the jack bean, (40) 308. plant, preparation, (35) 9.	on apple, (39) 251, 551.
Gloeopeziza turricula n.sp., description, (33) 447.	on fig. (39) 757.
Gloeosporium-	on pecan, (39) 553. relation to apple rot, (33) 348.
affine, notes, (26) 450.	relation to temperature and rainfall, (36)
alborubrum, notes, (34) 540; (35) 251; (37) 253;	649; (38) 454.
(38) 53, 759.	utilization of pentoses by, (34) 351.
ampelophagum, notes, (26) 550; (33) 845; (37)	vaccinii, treatment, (39) 749.
52, 453. ampelophagum, treatment, (39) 753.	vaccinii, treatment, (39) 749. Wintering over, (33) 148. (Colletotrichum) lindemuthiana, notes, (31)
amygdalinum, notes, (36) 453.	542.
and Colletotrichum on chili, identity, (34) 50.	culture strains of, (26) 645; (30) 745; (31) 843.
camphorae n.sp., description, (37) 844.	gossypii—
caryae, notes, (28) 449. caulivorum—	description and treatment, (29) 751, growth in plant decoctions, (37) 728; (38)
description and treatment, (39) 754.	524.
notes, (36) 748. on red clover, (34) 155; (35) 546. coffeanum, notes, (38) 51.	nitrogen fixation by, (37) 129.
on red clover, (34) 155; (35) 546.	notes, (28) 444, 647; (35) 455; (36) 541; (39)
concentricum, notes, (35) 51. concentricum, notes, (37) 551.	52. relation to weather, (40) 154.
conviva n.sp., description (37) 557.	strains of, (30) 538.
darlingtoniae n.sp., studies, (30) 351.	rufomaculans—
darlingtoniae n.sp., studies, (30) 351. elasticae, notes, (38) 153.	as affected by cold, (34) 538.
enonymicolum n.sp., description, (39) 758.	description, (29) 450.
fructigenum—	enzyms produced by, (29) 648. host relations, (27) 648.
description and treatment, (30) 50.	notes, (27) 547; (28) 444; (29) 650; (34) 646;
forms of, (28) 51. notes, (30) 147; (34) 247.	(35) 351.
studies, (26) 849.	on sweet peas, (32) 446.
gossypii, growth in plant decoctions, (37) 728;	relation to temperature, (33) 545.
(38) 524.	studies, (37) 155.
heveae, notes, (37) 253. kaki n.sp., description, (27) 251.	vaccinii, notes, (39) 55.
kaki, notes, (37) 656.	spp., relation to sweet pea anthracnose, (26)
lagenarium, notes, (34) 843.	studies, (28) 545.
limetricolum n.sp., description, (28) 749.	variations in, (26) 645
lindemuthianum, notes, (39) 249. lindemuthianum, treatment, (32) 843; (33) 846.	Gloomy scale, remedies, (26) 654; (27) 55. Glossing—see also Tsetse flies.
lunatum, notes, (34) 543.	morsitans—
lunatum, studies, (27) 352.	development of Trypanosoma rhodesiense
lupinus n.sp., description, (28) 648.	in, (28) 255.
malicorticis, notes, (27) 249, 448; (29) 153; (31) 53. malicorticis, perfect stage, (27) 649.	dipterous parasite of, (31) 63.
mailcorticis, periect stage, (27) 649. mangiferae, notes, (27) 750; (34) 442; (35) 153;	transmission of trypanosomos by, (27) 783 884.
(37) 755, 838.	trypanosomes in, (30) 781.
manihotis, notes, (34) 843; (37) 551.	palpalis, development of Trypanosoma gam-
manihotis, notes, (34) 843; (37) 551. musarum, notes, (29) 547.	biense in. (23) 150.
musarum, treatment, (38) 547.	palpalis, host of Trypanosoma gallinarum, (27) 787.
n.spp., descriptions, (37) 748. nervisequum—	parasitas of (20) RAR
notes, (27) 747; (32) 347; (37) 550.	spp., transmission of Trypanosoma spp. by, (26) 151.
notes, (27) 747; (32) 347; (37) 550. on sycamores, (38) 646.	(28) 151.
relation to Gnomonia veneta, (30) 351.	
epstis, notes, (36) 348; (39) 453.	Glossitis, gangrenous, in horses, (38) 178. Glossonotus sp., notes, (26) 148

Glover's scale, notes, (26) 149.	Glugea-
Glucal, physiological action, (35) 665.	polymorpha, notes, (27) 456. spp., notes, (30) 362.
Glucinum— assimilation by Aspergillus niger, (31) 224.	Glutamic acid as a source of ammonia, (29) 723.
effect on Aspergillus spp., (29) 825. utilization by fungl, (29) 28.	Glutamin—
utilization by fungl, (29) 28.	assimilation by plants, (26) 32.
Glucolytic ferment of yeast. (27) 765.	in germinating corn. (35) 202.
α-Glucoheptose, hexacetates of, (36) 12. Glucolytic ferment of yeast, (27) 765. Glucophose, notes, (30) 203.	assimilation by plants, (20) 32. distribution in plants, (30) 129. in germinating corn, (35) 202. grape leaves, (27) 731.
Glucosamin— hydrochlorid as a source of nitrogen, (29) 827.	Statenys tubers and citrus leaves, (26) 117.
hydrochlorid, preparation, (34) 803.	sugar beets, (28) 810. sugar cane juice, (30) 15.
isomeric pentacetates of, (36) 202.	Glutaminic acid—
Glucosazone reaction, studies, (39) 414. Glucose—	heat of combustion, (26) 160. in tomatoes, (27) 364, 634.
absorption in the intestines, (28) 763.	preparation and determination, (27) 406.
and maltose, comparison, (31) 762.	Glutelin, lysin content, (31) 559.
as affected by hydrogen peroxid, (28) 202.	absorption of moisture by, (37) 363.
as dressing in veterinary surgery, (36) 178. assimilation, limit, (35) 369.	as affected by heat, (26) 866.
beta, preparation, (37) 410.	biolytic cleavage of, (31) 711.
bromination as affected by catalyzers, (40) 613.	bread, analyses, (26) 464.
commercial, effect on white rats, (35) 163. composition and use, (29) 460.	content of flour, factors affecting, (32) 63 determination, (37) 617.
confectioners', analyses, (29) 867.	determination in cereal products, (29) 799. determination in flour, (27) 498.
decomposition by Bacillus coli communis, (38)	determination in flour, (27) 498.
detection in presence of lactose, (28) 205.	dry, composition, (27) 807. dry, relation to protein content of flour, (27) 807.
detection of arsenic in, (39) 113.	
determination, (26) 709; (40) 312.	analyses, (26) 72, 165, 362, 568, 665, 714, 768, 873; (27) 68, 170, 171, 570, 669, 670, 774, 872; (28) 265, 364, 464, 465, 669; (29) 271, 367, 467, 570, 665, 769; (30) 67, 68, 169, 565; (31) 73, 168, 360, 467, 564, 663; (32) 169, 259, 568, 667, 862; (33) 71, 371, 568, 663; (34) 169, 371, 467, 566, 665; (35) 374, 562, 867; (36) 65, 167, 288, 667, 765; (37) 471, 767; (38) 369, 376; (39) 270, 370, 773; (40) 72, 470, 571, and meal, analyses, (39) 167, 270, 370; (40)
determination in— juices, (28) 613.	676; (27) 68, 170, 171, 570, 609, 670, 774, 872; (28) 265, 364, 464, 465, 669; (29) 271, 367
presence of other substances, (29) 716.	467, 570, 665, 769; (30) 67, 68, 169, 565; (31)
_ urine, (38) 713.	73, 168, 366, 467, 564, 663; (32) 169, 259, 568,
effect on—	007, 802; (33) 71, 371, 508, 500; (34) 169, 371,
plants, (28) 327.	268, 667, 765; (37) 471, 767; (38) 369, 376;
ammonia production and use in killed plants, (28) 327. autolysis, (31) 763.	(39) 270, 370, 773; (40) 72, 470, 571.
cooking temperatures of candy sirups, (32)	
762. germination of seeds. (27) 201.	72, 470, 571. and meal, digestibility, (39) 171.
germination of seeds, (27) 201. protein catabolism, (29) 663. respiration of seeds, (27) 729.	ash analyses. (29) 861.
respiration of seeds, (27) 729.	definition, (28) 98.
secretion of diastese by fungi, (31) 13. soil nitrogen, (35) 218	efficiency for milk production, (36) 872. for milk production, (40) 572.
fatty acid esters of. (29) 269.	palatability and nutritive value, (38) 66.
formation—	proteins, efficiency for milk production, (36)
by amylases, (36) 315.	671. feeds, paper on, (28) 74.
from body proteins, (33) 868; (34) 866. in plants, (35) 413.	flour, amino acid in, (33) 665. flour, examination, (26) 867.
	flour, examination, (26) 867.
humilication, (38) 26.	foods, examination, (28) 357. inheritance of imperfections in, (27) 500.
humification, (38) 26. in lymph and blood, (39) 670. industry in United States, (30) 711, 791.	meal—
liffit of assimilation. (28) 262.	meal— analyses, (27) 570; (28) 265, 364, 669; (29) 467, 769; (30) 67, 68, 169, 467, 888; (31) 73, 564, 663; (32) 259, 667; (38) 71, 371, 759; (35) 562, 867; (36) 167, 270, 370. definition, (28) 98. digestibility, (39) 171. feeding value, (29) 468. ferthizing value, (34) 520. for laying hens, (39) 578. physical properties, (40) 762. variations, (32) 557, (35) 108. wheat, amino acid in, (33) 665.
manufacture, (39) 113. manufacture from vine shoots, (26) 613.	769; (30) 67, 68, 169, 467, 868; (31) 73, 564,
metabolic relationship of proteins to, (33) 261.	867; (36) 167, 268, 667, 765; (38) 665; (39)
methods and results of analysis, (35) 316.	167, 270, 370.
preparation from corncobs, (40) 17.	dennition, (28) 98.
properties, (32) 109. relation to polyneuritis gallinarum, (29) 865.	feeding value, (26) 468.
resorption in small intestine, (29) 268.	fertilizing value, (34) 520.
separation from lactose and galactose, (26) 202. sirup, analyses. (34) 660.	nhysical properties (40) 762
solutions, turbidity, (36) 808.	variations, (32) 559; (35) 108.
solutions, turbidity, (36) 808. standards for, (29) 867.	wheat, amino acid in, (33) 665.
toxicity, (28) 661. I-Glucose, studies, (37) 109.	wheat, colloidal swelling, (34) 111. wheat, hydrolysis, (28) 607.
Glucosid alcohols, synthesis, (29) 505.	Glutenin—
Glucosids—	as affected by heat, (26) 866.
and carbohydrates, treatise, (28) 710.	effect on wheat gluten, (26) 67. lysin content, (31) 559.
as producers of hydrocyanic acid, (29) 713. biochemical detection, (29) 509.	Glutose—
effect on germination of seeds, (33) 825.	and glutocose in molasses, (40) 313.
formation by plants, (36) 329.	determination, (37) 617.
indigo-yielding, physiology of, (35) 333. occurrence in pears, (26) 327.	determination in molasses, (39) 206. notes, (36) 609.
pigment-producing substances from, (30) 129.	Glyceria maritima, growth in presence of salt, (33)
preparation and detection, (30) 202.	222.
production from glycol and glycerol, (30) 502.	Glycerids—
relation to anthocyanin in flowers, (31) 427; (33) 427.	low molecular, of fatty acids in milk fat, (33)
Glucoxylose, new, notes, (32) 502.	of fats and oils, studies, (32) 801.
Glue-	of milk fat, (31) 804; (40) 608.
factory— refuse, analyses, (34) 521.	Glycerin—
sludge, fertilizing value, (28) 734.	action of symbiotes on, (40) 464. as source of carbon for citromyces, (30) 805.
sludge, fertilizing value, (28) 734. waste as source of lime, (38) 22.	bacterial dehydration, (35) 163.
eather as a cattle feed, (37) 171.	detection in cider vinegar, (36) 299.

Glycerin—Continued.	Glycuronic acid, isolation from sugar beets, (26)
determination, (26) 709; (40) 904. determination in—	307. Glycyrrhiza lepidota, geographical distribution,
fats and soaps, (26) 411.	(26) 335.
meat products, (29) 800. wine, (34) 506.	Glyoxylic acid, transformation into formaldehyde, (40) 507.
effect on— activity of invertase, (38) 502.	Glypta
alcoholic determinations of beverages, (34)	brevis n.sp., description, (35) 262. evetriae n.sp., description, (38) 565.
661. growth of peas, (31) 522.	Glyptoscelis alternata, notes, (35) 364. Glyptotermes satsumensis n.sp., description, (35)
plant respiration, (26) 628.	255.
germicidal power, (34) 876. hemolytic action, (36) 276.	Gmelina arborea, notes, (29) 443. "Gnamma holes," formation, (30) 511.
numincation, (38) 26.	Guampiodon nepticulae n.sp., description, (34)
purity, (27) 208. toxicity, (38) 283.	450. Gnathostomum hispidum, physiological investi-
Glycerol— as affected by hydrogen peroxid, (29) 309.	gations, (31) 679. Gnathotrichus spp., notes, (32) 552.
as source of carbon for molds, (30) 226.	Gnats-
chemical technology of, (29) 413. determination, (26) 114.	bloodsucking, relation to surra, (31) 777. buffalo, relation to pellagra, (28) 853.
determination in—	notes, (28) 156.
fats, (28) 313. soap lyes, (40) 712. wine. (32) 20.	Gnomonia— caryae n.sp., description, (28) 449.
wine, (32) 20. effect on solution of casein by sodium hydroxid,	iliau—
(36) 108.	n.sp., description, (28) 53. notes, (29) 846.
esters, effect on tubercle bacilli, (27) 681. Glycerophosphoric acid, hydrolysis by dilute acid	on sugar cane, (40) 157.
and aikali, (31) 805.	leptostyla, description, (30) 151. n.sp. on pecan, (39) 459, 553.
Glycerotriphosphoric acid of Contardi, (31) 709. Glycin—	on cherry leaves, (37) 246.
action upon esters, (31) 711. assimilation by plants, (26) 32.	on eggplant (37) 752. psidii, notes, (29) 243. rubi, notes, (34) 55.
canker of, (26) 845.	rubi, notes, (34) 55.
effect on action of alcohol on plant cells, (34) 333.	veneta, notes, (34) 56. veneta, parasitic on sycamore, (30) 350, 751.
effect on ethyl butyrate, (28) 409.	Gnomoniella albomaculans n.sp., description, (27) 548.
metabolism, studies, (39) 873. nitrification rate, (32) 124.	Gnorimoschema heliopa, studies, (40) 62, 854.
significance in intermediary metabolism, (40) 71.	Goat— diseases, nature and treatment, (34) 383.
Glycine— hispida, effect on nitrogen content of soils, (31)	industry in Germany, (30) 170. industry in Union of South Africa, (31) 268.
733. soja, anatomical structure, (31) 314.	manure, analyses, (38) 23.
Glyciphagus—	manure, fertilizing value, (34) 219.
cadaverum, notes, (40) 855. domesticus, fumigation, (39) 161.	serum, proteins and antitoxins in, (35) 574. sucker, long-tailed, synopsis of races, (35) 252.
Glycocoll—	wireworm, life history, (29) 476.
as antidote for benzoic acid poisoning, (32) 165. as source of ammonia, (29) 723.	Goats— ancestry, (34) 372.
as source of ammonia, (29) 723. decomposition by mold fungi, (29) 28. effect on baking quality of flour, (26) 356; (30)	Angora—
555.	care and management, (34) 380. industry in Northwest, (27) 278. notes, (28) 170; (31) 75.
effect on plant growth, (34) 31. formation in the body, (29) 63.	notes, (28) 170; (31) 75. value in land clearing, (28) 573.
ingested, metabolism rate of, (33) 755.	birth data, (27) 71. breeding and care, (33) 71; (33) 878.
ingestion, effect on metabolism, (28) 867. isolation from oat farina, (31) 309.	breeding and management in Germany, (34)
isolation from oat farina, (31) 309. occurrence in sugar cane inice, (30) 15. Glycocyamilglycylglycin, synthesis, (36) 202.	265. breeding experiments, (28) 370; (35) 869.
Glycogen—	breeding in Philippings (20) 560
and diastase of animal tissues, correlation, (30) 204.	cacti for, (33) 70. care and management, (28) 173; (34) 270. clearing land with, (26) 51; (32) 261 determination of age, (32) 866. diagnosing time of parturition, (31) 876.
available, in the human body, (31) 466.	clearing land with, (26) 51; (32) 261
content of liver after protein feeding, (31) 465. content of liver of tumor-bearing rats, (30) 477.	diagnosing time of parturition, (31) 876.
formation in yeast cells, (28) 631.	
from different sources, comparison, (29) 166. heat of combustion, (26) 160.	factors affecting pulse rate, (28) 768. feeding experiments, (20) 568, 574; (28) 775; (30) 473; (31) 71. Grenada, description, (33) 470.
hydrolysis by diastatic enzyms, (29) 166. occurrence in phanerogams, (27) 133. relation to hemoglobinemia, (26) 683.	(30) 473; (31) 71. Grenada, description, (33) 470.
relation to hemoglobinemia, (26) 683.	growth of, (30) 467. heredity in, (27) 874.
growth, (31) 625.	immunization against—
solutions, effect on plant transpiration and growth, (31) 625. sources of, (31) 763. storage in the animal body, (27) 576.	anthrax, (31) 82. gangrenous mammitis, (30) 83.
Giycol—	Malta fever, (26) 183. tuberculosis, (26) 85.
as source of carbon for molds, (30) 226. determination. (26) 709.	in British Milisalim (30) 767
determination, (26) 709. Glycolic acid, decomposition by sunlight, (30) 431.	Germany, (33) 296. Guam, (32) 767. Philippines, (26) 666.
Glycolytic power, determination, (29) 663. Glycoproteins, antigenic properties, (33) 773.	Philippines, (26) 666.
Glycosuria	Spain, (30) 470.
and allied conditions, treatise, (30) 277. and diabetes, treatise, (32) 474.	inbreeding experiments, (28) 370. injury due to grazing, (29) 543. involution of utarus (27) 788
immunity studies (30) 277	involution of literite (97) 788

Goats-Continued.	Gongylonema-
malformations of genital organs, (28) 770.	ingluvicola, notes, (31) 287; (40) 587. soutatum in Argentina, (34) 478. soutatum, life history, (34) 4783; (37) 577. Gonia crassicornis, notes, (29) 386. Conjector anigmeting studies (30) 650.
management and use, (27) 278. measurements of skeleton, (28) 667. metabolism cage for, (26) 268; (27) 71.	scutatum in Argentina, (34) 478.
measurements of Skeleton, (23) 007.	Gania grassicarnis notes (20) 256
milch—	Goniocera enigmatica, studies, (39) 659.
care and management, (31) 380.	Goniocerus sp., notes, (31) 757.
in California, (38) 177.	Goniocotes—
in California, (38) 177. records, (31) 270.	gigas, notes, (35) 878. spp. notes, (35) 183. Goniodes zenaidurae n.sp., description, (38) 761.
summary, (38) 878.	Spp. notes, (33) 183.
mountain— host of spotted fever tick, (26) 64	Goniomyia unifasciata, parasitic on army worm,
protection in Alaska, (36) 791.	(34) 251.
host of spotted fever tick, (26) 64. protection in Alaska, (36) 791. relation to spotted fever, (31) 160.	(Goniozus) cellularis— notes, (29) 253.
mucous membrane of, (26) 480. newborn, weights, (32) 862. of Catanduanes Islands, (27) 771.	notes, (29) 253.
of Catanduanes Islands (27) 771	parasitic on pink bollworm, (37) 667. Gonitis, n.sp., description, (29) 456.
	Gonocytes in fowls, investigations, (29) 874.
Nedjed in Arabia, (26) 268.	Gonorrhea, rôle of specific fats in complement
Nedjed in Arabia, (26) 268. Tunis, description, (27) 571. on farms in United States, (31) 167.	fixation, (39) 80.
on larms in United States, (31) 167.	Gonorrhea, rôle of specific fats in complement fixation, (39) 80. Goodell, H. H., biographical sketch, (26) 897. "Goodness of fit" tables, application, (36) 166.
origin and development of breeds, (33) 171.	Goose—
origin and distribution, (31) 564. paunch movement in, (27) 68.	fat, digestibility, (36) 860.
pine needles for, (28) 768. pure-bred, in Montana, (36) 470.	fat, digestion and absorption, (34) 257.
pure-bred, in Montana, (36) 470.	grass, notes, (29) 144.
Pyrenean, notes, (28) 874.	Gooseberries—
resistance to trypanosomiases, (26) 84. resistance to tubercle bacilli, (30) 783.	aphids affecting, (27) 758; (37) 358.
serum hemolysins in, (27) 476.	acidity, (32) 110; (37) 714. aphids affecting, (27) 758; (37) 358. breeding and testing in Minnesota, (40) 148.
skull and head measurements, (28) 767.	precoing experiments, (32) 338; (33) 637; (36)
slaughtering on the farm, (35) 317.	443; (39) 346.
sterility in, (26) 167. structure of third stomach, (28) 271.	crossing experiments, (32) 535. culture, (31) 142, 441; (32) 141; (35) 41.
susceptibility to tuberculosis, (26) 178.	culture and marketing, (38) 844.
treatise, (37) 769.	culture experiments, (28) 436.
worms infesting, (37) 779. Goats' rue, description and control, (37) 142.	culture in western Washington, (38) 298.
Goatskin trade of Red Sea region, (29) 69.	currant mite affecting, (31) 854. fertilizer experiments, (38) 540.
Gobaishia n.g. and n.sp., description, (38) 857.	for home and commercial planting (33) 537
Godetia gracilis n.sp., description, (34) 336.	growth as affected by meteorology, (29) 510.
Godetia gracilis n.sp., description, (34) 336. Goes sp., notes, (38) 363.	insects affecting, (38) 843.
Goessmann, C. A., biographical sketch, (38) 810.	new, description, (29) 838; (31) 337; (33) 238.
exophthalmic, metabolism in, (35) 371.	growth as affected by meteorology, (29) 510, insects affecting, (38) 843. new, description, (29) 838; (31) 337; (33) 238. of Germany, (33) 838. preservation by freezing, (39) 844.
in newborn animals, (39) 187.	resistance to pine blister rust, (38) 151.
in rats, notes, (31) 451. in swine, (40) 185.	spray schedules, (39) 39.
in swine, (40) 185.	transplanting experiments, (35) 37.
relation to iodin content of food, (35) 762. Goitrous condition in pigs, (39) 187.	treatise, (30) 42.
Gold chlorids, effect on starch ferments, (27) 109.	varieties, (28) 542; (32) 538; (37) 243. varieties for New York, (26) 239.
Goldenrod-	varieties in Oklahoma, (27) 241. varieties resistant to mildew, (32) 645; (34) 834.
canyon, notes, (29) 441.	varieties resistant to mildew, (32) 645; (34) 834.
gall insects affecting, (35) 55. poisoning stock, (39) 181, 787.	variety tests, (32) 141; (40) 340, 342. Gooseberry—
western, poisoning of sheep by, (37) 482.	anthracnose, investigations, (33) 347.
Goldenseal—	aphids, studies, (31) 157.
Botrytis blight, (39) 853. culture, (32) 143, 436.	bacterial disease, notes, (36) 751. black current hybrid, description, (31) 236.
culture and preparation, (35) 647.	disease in Italy (22) 447
handbook, (27) 346.	disease in teary, (30) 447; (39) 652.
resistance to root knot nematode, (31) 345.	diseases, treatment, (28) 449.
Goldfinches, destruction of grain aphids by, (29)	fruit fly, life history and habits, (28) 255.
452. Goldfish, breeding, (28) 637.	fruit 11y, notes, (29) 158; (35) 466.
Golf courses—	disease in Italy, (33) 447; (39) 652. diseases, notes, (30) 647; (39) 652. diseases, treatment, (28) 449. fruit fly, life history and habits, (28) 255. fruit fly, notes, (29) 158; (35) 466. fruit worm, notes, (36) 549. gall midge, notes, (38) 62. galls notes, (38) 62.
subirrigation and drainage of, (31) 889.	galls, notes, (30) 655.
turf for, (37) 146.	galls, notes, (30) 655. industry in Ontario, (31) 142.
Gomolya, bacterial flora of, (26) 881. Gomphocarpus fructicosus, bast fibers of, (27) 237.	leaf spot, studies, (38) 546.
Gomphus parvidens n.sp., description, (38) 56.	mildew— American, notes, (26) 344.
Gonadectomy—	American, troatment, (26) 345.
effect on growth of rats, (34) 263.	American, treatment, (26) 345. control in Hungary, (28) 348.
in relation to secondary sex characters of domes- tic birds, (38) 170.	control in Scotland, (38) 546.
Gonatocerus—	description and treatment, (28) 650. in Baden (27) 750.
anomocerus n.sp., description, (31) 554.	Europe, (27) 153, 851.
bifasciativentris n.sp., description, (37) 667.	Great Britain, (27) 353.
eximius n.sp., description, (31) 355. gibsoni n.sp., description, (33) 360.	Kent Co., England, (28) 448.
gibsoni n.sp., notes. (33) 357.	Sweden, (28) 850; (33) 846.
gibsoni n.sp., notes, (33) 357. mexicanus in Hawaii, (37) 360.	life history, (32) 547. notes, (30) 349, 647, 845; (31) 545, 644, 749; (33) 647; (34) 649; (36) 541; (37) 550; (40)
ornatus n.sp., description, (40) 760.	(83) 647; (34) 649; (36) 541; (37) 550; (40)
ovicenatus n.sp., notes, (34) 657.	58.
triguttatus n.sp., description, (36) 259. Gonatopus—	studies, (29) 649; (32) 445; (33) 347; (34) 241. treatise, (36) 646.
contortulus parasitic on sugar beet leafhoppers.	treatment. (29) 45. 50. 249. 850; (30) 750; (31)
(33) 747.	treatment, (29) 45, 50, 249, 850; (30) 750; (31) 546, 843; (32) 547, 842; (34) 352, 747, 834,
spp., studies, (40) 265. Gonepteryx rhamni in New Jersey, (36) 54.	843, 846; (35) 453, 649, 654; (36) 51, 751; (37)
	351;

Gooseberry-Continued.	Grain-Continued.
pollen, viability, (32) 534. powdery mildew, notes and treatment, (28) 748.	aphis— correct name, (38) 462.
root rot, notes, (34) 49.	destruction by birds, (29) 452.
rust, notes, (33) 647. sap as affected by Bordeaux mixture, (30) 647.	English, alternate hosts, (39) 464. English, studies, (36) 458.
sawily, yellow, notes, (33) 659.	European, control, (40) 754. European, notes, (28) 254: (33) 253; (36) 253.
Septoria leaf spot, investigations, (33) 347. twig disease, new, notes, (31) 749.	European, studies, (40) 649.
wine, preparation, (27) 412.	European, studies, (40) 649. ncw, description, (39) 62
Goosefish, commercial possibilities, (35) 469. Gopher—	notes, (26) 59; (40) 648. remedies, (36) 857.
pocket—	annis, spring—
control, (39) 153. description, (33) 152.	in Texas, (40) 856. notes, (26) 856; (36) 755 outbreak in Kansas, (37) 561
description, (33) 152. destruction, (32) 648.	outbreak ir Kansas, (37) 561 parasite of, (32) 353.
in Iowa, (40) 546. life history and control, (37) 757; (40) 54.	remedies, (34) 633. studies, (27, 359
life history and control, (37) 757; (40) 54. notes, (32) 753; (34) 651; (37) 355.	studies, (27, 859 aphis, studies, (36) 458.
revision, (34) 449. susceptibility to plague, (26) 59.	artificial drying, (33) 831.
poisons, analyses, (38) 653.	as affected by corrosive sublimate, (30) 242. as basis for credit in Russia. (31) 390.
Gophers— control, (39) 59. destruction, (30) 697; (36) 852. notes, (28) 450.	ash, copper determination in, (40) 807.
destruction, (30) 697; (36) 852.	beetle, control, (39) 862. beetle, notes, (26) 453
Gore tares, culture experiments, (60) 120.	beetle, saw-toothed—
Gorse as sand binder, (29) 427. Gortyna—	control, (39) 862. in warehouses, (39) 464.
micacea, notes, (39) 160; (40) 648.	in warehouses, (39) 464. notes, (26) 453; (27) 755; (32) 651; (34) 754. remedies, (27) 258; (32) 245.
stramentosa, notes, (36) 456. Gossyparia spuria, see Elm scale, European.	studies, (40) 855.
Gossypium—	binders—
barbadense, analyses, (31) 863. brasiliense var. apospermum, culture, (33) 529.	engine for, (27) 293. motor drawn and operated, (31) 188.
hopi n.sp., description, (30) 37. irenneum, description, (30) 37.	tractor, operation, (34) 891.
irenaeum, description, (30) 37. spp. in Italian Somaliland, (37) 336.	bins, concrete, construction, (37) 789. bins, sanitation, (37) 895.
spp., leaf nectaries, (37) 727.	black rust, relation to barberries, (30) 149.
Gossypol— chemistry of, (38) 801.	borer, lesser, notes, (30) 655; (40) 458. bulk handling, (35) 693.
determination in cottonseed meal, (38) 113.	buyers, ready reckoner for, (30) 342.
in cotton seed, (33) 311. notes, (37) 689.	Canadian, marketing under war conditions, (40) 390.
paper on, (32) 300. studies, (34) 381; (38) 685.	changes in during storage, (30) 525, 639.
studies, (34) 381; (38) 685. toxicity, (39) 886.	cleaners, tests, (30) 292. cleaning and sorting machine, tests, (27) 293.
Gourd—	companies, cooperative, (35) 393. composition as affected by soil moisture, (27)
fruit fly, remedies, (31) 757. seeds, oil from, (39) 9.	334.
Gourds—	cost of production, (32) 594.
breeding experiments, (36) 838. inheritance studies, (39) 747.	crops— culture in Wyoming, (39) 229.
Gout-	for silage, (31) 829. handbook, (29) 530.
metabolism in, (37) 167. relation to diet, (30) 168.	irrigation experiments, (39) 229.
Gracilaria—	winterkilling, (40) 821. culture—
azaleae n.sp., description, (32) 450. azaleae, notes, (33) 252; (39) 866.	experiments, (27) 32; (30) 828; (39) 229, 437.
lespedezaefoliella, notes, (35) 356.	in southern Idaho, (36) 227. in the Dakotas and Montana, (38) 230.
sp., notes, (28) 158. Gracilaridae of North America, revision, (40) 652.	in western Canada, (31) 595.
Graduate-	intensive, (29) 337. on Utah dry lands, (38) 230.
School of Agriculture, (31) 301. students as research assistants in experiment	date-of-seeding tests in Quebec, (40) 228.
stations, (36) 102.	destruction by birds, (26) 855. destruction by cutworms, (31) 352.
Graft—	deterioration in storage and transit, (32) 200.
hybrid in apples, (31) 140. hybrid, new, description, (36) 331.	deterioration on fertile soils, (29) 515. determining test weight, (36) 441.
hybrids connecting threads in, (30) 433.	disease resistance of, measurement, (28) 546.
hybrids, description, (27) 31; (30) 740. hybrids, notes, (32) 726; (33) 429; (35) 437, 635;	and pests in Baden, (31) 539.
(39) 241, 447. stock, penetration of scion, (39) 143.	and pests in Baden, (31) 539. in Württemberg, (29) 845.
Grafting—	notes, (27) 848; (36) 746. studies, (26) 142; (30) 148.
and asexual hybridization, (30) 329.	driers in United States, (39) 144.
bridge, notes, (32) 234; (34) 833. effect on grapes, (28) 236, 437.	driers, tests, (34) 88. drills, construction and adjustment, (29) 186.
factors restricting, (31) 440.	drills, construction and adjustment, (29) 186. drills, tests, (27) 892. "drunk bread" disease, studies, (36) 747.
in plant acclimation, (35) 444. notes, (29) 838; (31) 740.	drying, (36) 634.
stock, effect on scion, (27) 540; (28) 541. Grain—see also Cereals, Oats, Rye, Wheat, etc. active constituents of, (20) 169.	drying, (36) 634. drying, handbook, (27) 669.
active constituents of. (29) 169.	drying machine, description, (29) 688. dusts, explosibility, (32) 790.
aleurone cells as source of oil, (40) 714.	elevator, cooperative in Nebraska, (26) 488.
aleurone cells as source of oil, (40) 714. and grain products, exports, (34) 194. and hay elevator, description, (30) 690.	elevators— accounts for, (34) 896; (35) 296.
and wheat mixtures, nutritive dendlendles, (55)	concrete, design, (34) 685. cooperative, in lows, (32) 593.
577.	conformation in tours form and

Grain-Continued.	Grain—Continued.
	prices—
elevators—continued. cooperative, in Minnesota, (36) 790. cooperative, in Wisconsin, (28) 895. farmers', in Ohio, (40) 592. fumigation, (30) 155. in Canada, (32) 894. Minnesota (34) 309	and movement[in 1916, (37) 492. and shrinkage, (34) 336.
farmers', in Ohio, (40) 592.	and shrinkage, (34) 336. and supplies in Scotland, (40) 194.
in Canada, (32) 894.	in Ireland, (33) 492. in Scotland, (35) 497.
Minnesota, (34) 392. Pacific Northwest, (36) 289. western Canada, (33) 492; (35) 892.	variations in India, (28) 259.
western Canada, (33) 492; (35) 892.	production— and handling in Argentina, (35) 136.
exhibits for farm and school use, (29) 93. exhibits, preparation, (31) 495.	in Great Britain and Ireland, (38) 594.
extracts, titration in presence of alcohol, (36)	Saskatchewan, (27) 594. Switzerland, (40) 525.
299.	
fall-sown, (33) 98. fall-sown, in Maryland and Virginia, (36) 735.	limit on fertile soils, (29) 515. relation to soils, (32) 827.
farming in corn belt, (34) 791.	products, consumption in Europe, (38) 595.
farming in North Dakota, (40) 735. farming v. live stock system, (39) 531.	proteins of, differentiation, (34) 577. rations, restricted, for chickens, (36) 668.
feeding values per bushel and per 100 lbs., (39) 167.	rations, testing, (27) 277. relation to climate, (28) 27. resistance to fungi, (31) 50.
feeds, effect on intestinal flora, (36) 664.	resistance to fungi, (31) 50.
fertilizer experiments, (27) 724; (28) 520; (30) 120, 731; (31) 820; (40) 429. fields, fire protection, (39) 393.	rotation experiments, (40) 331. rust and Fusarium, treatment, (31) 242.
fields, fire protection, (39) 393.	rust, infection experiments, (26) 446.
flies, notes, (27) 560. foot rot, notes, (27) 748. for dry lands of central Oregon, (37) 333.	rust spots, investigations, (26) 341. rusts—
for dry lands of central Oregon, (37) 333.	nature and treatment, (32) 145.
	notes, (27) 349; (30) 240; (33) 445. relation to timothy rust, (31) 344.
fumigation, (39) 558.	treatment, (33) 431; (35) 47. wintering in Bohemia, (28) 345.
freight rate on, (34) 392. fungiation, (39) 558. fungicidal treatment, (29) 326. germ, feeding value, (29) 283. germationing experiments (28) 130	wintering in Bonemia, (28) 345. salvage, analyses, (27) 170.
gorm-repensag caperinions, (20) 100.	salvage, analyses, (27) 170. sampling and grading, (36) 836; (38) 140. sampling device, (33) 836.
germinated— determination of proteolytic strength, (34)	sampling device, (33) 836.
318.	composition and use, (34) 663.
diastatic activity, (37) 208. germination as affected by—	digestibility, (29) 367. vitality of seeds in, (29) 366.
carbon bisulphid, (27) 131.	seed, preparation for planting, (31) 190.
disinfectants, (31) 824. grades of, (32) 138.	seed treatment, (27) 351; (28) 846; (33) 546; (35) 149, 845.
grading and cleaning, (32) 790. grinding, power required for, (35) 586.	seeding in furrows, (36) 831; (40) 329. seeds, large v. small, (38) 732.
growers organization in Canada, (40) 688.	separators, care and repair, (40) 889.
hail resistance as affected by fertilizers. (30) 519	separators, notes, (35) 189.
handbook, (27) 638. handling in Canada, (36) 894.	shipments and prices in Minneapolis, (32) 894 shipping in bulk or in sacks, (36) 289.
harvesting experiments, (35) 189. Identification of races, (38) 33.	shrinkage tests, (38) 840.
infection by Fusarium, (29) 244.	small— breeding experiments, (33) 332.
inoculation, (29) 326. insects affecting, (26) 147; (30) 657; (31) 452; (38)	breeding experiments, (33) 332. culture experiments, (27) 232; (38) 829. culture for hay and pasture, (34) 630. culture in Texas, (40) 729.
54.	culture in Texas, (40) 729.
insects, life history and remedies, (30) 155. inspection—	
in Canada, (33) 228. Illinois, (30) 643.	125; (30) 820.
Minnesota, (39) 644.	nail injury to, (35) 734. textbook. (35) 593.
Minnesota, (39) 644. Montana, (38) 538; (40) 443. South Africa, (30) 632.	fertilizer experiments, (26) 424, 725; (29) 125; (30) 820. hall injury to, (35) 734. textbook, (35) 593. transpiration in, (36) 220. varieties, (26) 725; (38) 30, 829.
irrigating, (38) 186.	smut—see also Cereal smuts, Smut, and specific
irrigation experiments, (37) 84. laboratory, state, notes, (31) 633.	grains. inoculation on Guinea corn, (34) 644.
leathopper, sharp-headed, investigations, (33)	prevention, (26) 142.
356. marketing, (29) 894; (37) 889	treatment, (35) 149. smuts—
marketing, (29) 894; (37) 889. marketing in Pacific coast region, (26) 293. marketing in western Canada, (33) 492; (36) 593.	descriptions and treatment, (31) 446; (38)
marketing in Western Canada, (33) 492; (36) 593. Markets Commission of Saskatchewan, (31) 595.	249. in Java, (38) 448.
measuring for feed, (39) 834.	notes, (27) 246; (33) 445; (35) 348.
mesophyll structure and function in, (36) 331. mildew, notes, (28) 149.	parasitism, (31) 540. studies, (33) 245; (37) 749; (38) 645. treatment, (27) 246, 445; (28) 546; (29) 47,
milling, dust explosions, (39) 494. mixed, v. cottonseed cake for cattle, (34) 170.	treatment, (27) 246, 445; (28) 546; (29) 47, 244; (31) 344; (32) 49; (33) 431.
mixtures, energy values, (33) 72	spring—
mixtures for cows, (34) 181.	culture in Indiana, (40) 735. in Illinois, (30) 634.
mixtures for cows, (34) 181. mixtures, tests, (27) 734, 840. moth, control, (39) 862. moth, European, notes, (33) 252.	seeding dates, (40) 332.
nurse crops for clover, (40) 329.	sown, (38) 796. sprouted, antiscorbutic value, (40) 565, 869.
of French West Africa, analyses, (28) 359.	sprouted, as poultry food, (34) 294.
of French West Africa, analyses, (28) 359. parasitic injury to, (29) 446; (31) 50. pedigreed, yields in Wisconsin, (37) 438.	stacking, (26) 833. stacks, measurement, (33) 831.
pests, notes, (27) 848.	Standards Act, Federal, (35) 308.
phylogenetic studies, (32) 131. plant louse, English, notes, (26) 59.	Standards Act, regulations, (36) 442, 836. standards, official, (40) 39, 144.
plats, harvesting, (36) 197; (38) 228. preparing land for, (30) 829.	standing, destruction by mice, (28) 653. statistics, (31) 165.
hydrame rame rate (an) occ.	negation (or) too.

Grain-Continued.	Grange-
statistics in—	educational value, (28) 792.
Canada, (36) 291. United Kingdom, (38) 494, 435.	movement in Canada, (35) 497.
United States, (40) 294. stiffness of stems, (28) 736.	work of, (30) 496. Granger movement, treatise, (30) 693.
stinness of stems, (28) 736. stinking smut, freatment, (30) 449.	Granges in New Jersey, (38) 594.
storage, (38) 693.	Granite— as sewage filtering material, (28) 789.
storage, (38) 693. storage and handling, (26) 538.	effect in water culture, (28) 817.
storage buildings, construction, (36) 590. stored, destruction of weevils in, (33) 34.	meal, fertilizing value, (28) 521.
stored, insects affecting, (26) 453; (28) 57, 853;	Granuloma, coccidiodal, in cattle, (40) 88. Granulomata, habronemic, in horses, (37) 279.
stored, insects affecting, (26) 453; (28) 57, 853; (33) 59, 153; (34) 549, 754; (39) 862; (40) 855. stubble, effect of different times of plowing,	Grape—
(33) 332.	anthracnese— in America, (36) 545.
sulphured, detection, (28) 807.	notes, (37) 453; (38) 853; (39) 256, 457, 652.
susceptibility to smuts and rusts, (35) 749. tariffs of Germany. (28) 388.	studies, (40) 850. treatment, (28) 649; (29) 849; (31) 346; (36)
tarills of Germany, (28) 388. testers, accuracy of, (31) 131. testing kettle, use, (32) 138.	251.
testing kettle, use, (32) 138. thrips, notes, (28) 452.	aphid, brown, life history, (33) 857.
trade conference, (40) 193.	arrepollao or achaparrado, studies, (30) 150. arricciamento, notes, (28) 650, 749.
trade conference, (40) 193. trade in France, history of, (31) 295.	herry moth—
trade of United States, conference on, (38) 294. valuation on dry matter content, (36) 92.	notes, (26) 656; (27) 57, 755; (35) 646. remedies, (35) 659; (37) 852. studies, (23) 453; (35) 358. treatise, (34) 553.
varieties, (26) 424; (30) 333; (37) 533.	studies, (28) 453; (35, 358.
varieties of Utah, (40) 299. variety tests, (40) 429.	treatise, (3±) 553.
variety tests, cooperative, (39) 134.	berry worm, remedies, (35) 659. black rot—
variety tests, shape and size of plats in, (31)[131.	control, (39) 352.
vitality as affected by age, (27) 334. water requirements, (32) 226.	description, (34) 543. false, notes, (39) 457.
weed seeds in, (26) 135.	notes, (33) 149.
winter— and spring, distribution in United States,	notes and treatment, (29) 349. studies, (29) 849; (40) 850.
(37) 533.	treatment, (27) 143; (28) 537.
culture, (34) 230.	black spot, notes, (39) 652, 753.
culture in Wyoming, (38) 527. culture under dry farming, (26) 828.	black spot, studies, (40) 850. bug, banded, notes, (33) 252; (34) 752.
fertilizer experiments, (33) 125.	cake, fertilizing value, (37) 426.
yield in relation to meteorology, (34) 208. yield in relation to rainfall, (40) 429.	chlorosis— notes, (26) 851; (28) 153; (34) 221, 749.
Gram—	prevention, (20) 344.
acid secretion of, (34) 525.	relation to ferruginous soils, (20) 245.
as forage crop, (38) 336. as green manure, (37) 824; (38) 220.	relation to lime, (26) 344. resistance to (39) 757.
culture experiments, (27) 336; (29) 538; (32) 227; (37) 734, 825; (38) 433, 635; (40) 332, 523, 825.	studies. (26) 344; (33) 54.
(37) 734, 825; (38) 433, 635; (40) 332, 523, 825.	treatment, (27) 651, 750, 850; (30) 542, 543; (34) 544; (35) 753, 754; (38) 51, 151.
culture in India, (36) 635; (39) 229, 230. factors affecting cooking, (35) 556.	colaspis in corn fields, (39) 58.
iertilizer experiments, (38) 230.	court noue—
for pigs, (28) 264. green manuring experiments, (37) 734.	as affected by grafting, (39) 757. notes, (29) 551; (30) 150, 451, 452, 651; (31)
horse, notes, (30) 233.	notes, (29) 551; (30) 150, 451, 452, 651; (31) 151; (38) 552.
meal, analyses, (38) 572 meal for pigs, (29) 873. red, enzyms of, (38) 9.	studies, (28) 54, 550. studies, (28) 54, 550. treatment, (27) 250; (28) 850; (30) 246; (31) 58; (32) 445; (37) 152; (38) 754. crown gall, investigations, (28) 650. sulture relation to metapology (34) 234
red, enzyms of, (38) 9.	58; (32) 445; (37) 152; (38) 754.
seed position in planting, (40) 635. selection experiments, (38) 635. varieties, (26) 631; (30) 731; (37) 824, 825; (38) 635.	crown gall, investigations, (28) 650. culture, relation to meteorology, (34) 234.
varieties, (26) 631; (30) 731; (37) 824, 825; (38) 635.	curculio, notes, (26) 753; (28) 454; (37) 58.
water requirements in India, (27) 429.	curculio, notes, (26) 753; (28) 454; (37) 58. curculio, studies, (40) 257. cuttings and rooted vines, disinfection, (32) 235
wilts, notes, (38) 351, 547. Grama grass—	cuttings, callusing, (27) 145.
blue, culture experiments, (30) 632.	cuttings, callusing, (27) 145. dead-arm disease, studies, (32) 52.
blue, seeding on ranges, (30) 35. botanical study, (26) 830.	disease, nonparasitic, studies, (39) 552. diseases and pests—
water requirement, (32) 127.	in Baden. (31) 539.
Gramineae— composition as affected by companion crop,	in Oniario, (35) 448. treatment, (38) 843.
(26) 617.	diseases—
embryology, (30) 633. first stages of development in, (28) 427.	description and control, (35) 351.
mites affecting. (32) 853.	fungus, control, (40) 750, 845. hot water treatment, (34) 50, 543.
mites affecting, (32) 853. serological study, (31) 733. Granadilla as trap for fruit flies, (29) 657.	in Barbados, (36) 541.
Granadillas, insects affecting, (27) 453.	Brazil, (32) 238. California, (37) 352.
Granaries—	France, (26) 244.
for prairie farms, (35) 690. fumigation, (30) 155.	Greece, (36) 651. Italy, (38) 351.
in relation to rural credit in Spain, (40) 389, 890.	northern Italy, (37) 52.
Granary-	São Paulo, (35) 550.
for the farm, portable, (39) 494. modern, construction, (27) 590.	Turkestan, (36) 647. Vardar, (36) 651.
weevil—	Western Australia, (33) 845.
broad nosed, fumigation experiments, (32) 650.	147, 240, 353, 643, 849; (32) 344; (33) 444;
control, (27) 258; (33) 431; (39) 862	Vartar, (30) 501. western Australia, (33) 845. notes, (26) 844; (27) 750, 848; (28) 748; (30) 147, 240, 353, 643, 849; (32) 344; (33) 444; (37) 550; (38) 849. papers on, (35) 646. relation to fog, (37) 152. studies, (28) 550; (30) 148; (32) 751; (34) 445.
in warehouses, (39) 463. notes, (26) 453; (31) 57.	papers on, (30) 040. relation to fog. (37) 152.
parasite of, (39) 468	studies, (28) 550; (30) 148; (32) 751; (34) 445.

3rape—Continued	Frape—Continued
diseases—continued.	little leaf, studies, (36) 849.
ticatment, (27) 546 (28) 748 (31) 843; (34)	marc, analyses, (32) 166.
718	marc, feeding value, (32) 567.
downy mildew	mealybug—
characteristic spots of, (*1) 51.	notes, (35) 357.
conditions determining outbreak of, (33)	remedies, (35) 54.
853.	studies, (40) 650.
development, (26) 550; (30) 247.	mildew—
notes, (28) 349, 749; (29) 350; (30) 353; (32)	and leafhoppers, combined spray for, (33)
149, 116; (35) 50, 352, 550; (36) 347; (39) 56; 151, 356, 357, 457; (40) 53, 750, 815.	642.
151, 356, 357, 457; (40) 53, 750, 845.	development, (27) 851.
propagation by wind, (25) 344.	hybrids resistant to, (33) 854.
review of investigations, (29) 249.	in southwest France, (27) 449.
studies, (26) 450, 851; (28) 54, 55, 244, 448;	notes, (31) 841; (34) 749; (36) 850; (38) 548;
(27) 49, 119, 517; (28) 54, 55; (29) 155, 849,	(40) 850.
850, (30) 452; (33) 248, 447, 519; (34) 352,	relation to smoke, (28) 152.
513, 544; (36) 545, 546, 650; (37) 151, 152,	resistant varieties, (39) 151.
251; (38) 51, 651, 754, 755; (40) 850.	studies, (33) 55.
review of investigations, (29) 249, studies, (26) 450, 551; (28) 54, 55, 244, 448; (27) 49, 419, 517; (28) 54, 55; (29) 155, 849, 850, (30) 452; (33) 248, 447, 519; (34) 352, 515, 541; (36) 545, 546, 650; (37) 151, 152, 251; (38) 51, 651, 754, 755; (40) 850, treatment, (26) 550, 750; (27) 49, 652; (28) 152, 245, 830; (29) 30, 551; (30) 50, 150, 151; (31) 151, 152, 544; (32) 145, 149; (33) 448; (34) 514, 748, 847; (35) 249, 352, 753, 754; (36) 152, 751; (37) 152, 246; (38) 51, 552, 754, 755; (40) 252, 750.	treatment, (27) 153, 851; (34) 841, 842; (38)
152, 245, 850; (20) 50, 551; (30) 50, 150, 151;	47; (40) 843.
(31) 151, 152, 544; (32) 145, 149; (33) 448;	mosaic disease, notes, (28) 650.
(34) 514, 748, 847; (35) 249, 352, 753, 754;	must, fermentation under paraffin oil, (35) 617.
(36) 152, 751; (37) 152, 246; (38) 51, 552, 754,	must, proteolytic enzym in, (27) 803.
100; (40) 202, 100.	Oldium—
dry loof discuss mater (21) 444	notes, (33) 549; (39) 356, 457; (40) 850.
fla, bostle	or powdery mildew, notes, (34) 544.
in France (30) 458	relation to weather, (34) 543.
lossor (40) 257	treatment, (28) 152; (38) 552, 651, 757; (40)
in France, (30) 458. lesser, (40) 357. notes, (29) 761; (35) 646.	252, 750.
folioge as feeding striff (20) 271	Peronospora—
foliage as feeding stuff, (30) 371. foliage, effect on development of fruit, (29) 439.	disease, studies, (31) 346.
frizzle disease, notes, (28) 550, 650.	relation to weather, (27) 547.
grav rot—	treatment, (29) 449; (30) 448.
gray rot— fixation of nitrogen by, (26) 123; (27) 225.	Pestalozzia rot, notes, (39) 52.
formation of conidia on (30) 149.	phylloxera—see also Phylloxera.
notes, (27) 851; (29) 349; (31) 544, 749, 844;	control in Italy, (38) 58.
(33) 646: (34) 847: (35) 246.	development, (35) 463; (36) 357.
notes, (27) 851; (29) 349; (31) 544, 749, 844; (33) 646; (34) 847; (35) 246. on figs, (37) 457.	emergence of first young, (33) 858.
relation to apple rot. (33) 348.	in California, (35) 646.
relation to apple rot, (33) 348. studies, (26) 749; (27) 50; (28) 847; (37) 47,	in California, (35) 646. notes, (27) 53; (29) 356; (30) 251, 358, 845; (40)
350.	262.
temperature relations, (36) 649.	production of inverted leaf galls by, (29) 854.
treatment, (27) 850; (29) 349, 849; (30) 651.	remedies, (34) 249; (35) 358, 658.
gummosis, notes, (28) 650.	resistance, (30) 145.
gunworm, notes, (30) 252.	resistance, breeding for, (40) 538.
hybrids—	resistance of different vines to, (31) 550.
resistance to mildew and insects, (26) 138;	review of investigations, (35) 658.
(28) 840; (30) 741.	spontaneous distribution, (27) 454.
sexual elements of, (30) 43.	studies, (32) 847; (39) 657.
studies, (27) 540.	virginoparous forms, (33) 748.
industries, developing, (40) 839.	physiology, notes, (29) 439.
industry in—	plume moth, notes, (33) 58. pollen as affected by spraying mixtures, (29)
Algeria, (30) 741. California, (35) 343; (38) 541.	839.
South Australia, (29) 837.	pourridié, notes, (26) 750.
juice—	powdery mildew—
as nutritive remedial agent. (31) 358.	hibornotion (24) 847
changes in, (34) 43.	notes, (31) 746; (36) 347.
clarification, (32) 208.	treatment, (28) 851; (29) 850; (36) 350, 546;
Concord, (39) 208.	notes, (31) 746; (30) 347. treatment, (28) 851; (29) 850; (36) 350, 546; (37) 152, 843; (38) 541.
examination, (26) 660.	red scald, notes, (37) 555.
manufacture, (30) 316	red scald, studies, (28) 55; (30) 452.
pasteurization and hiorization, (37) 805.	red spot, treatment, (26) 144.
preservation, (38) 617. preservation by pressure, (32) 416.	roncet-
preservation by pressure, (32) 416.	notes, (28) 349, 650, 749; (32) 844.
studies, (29) 711.	notes, (28) 349, 650, 749; (32) 844. studies, (26) 550, 851; (27) 440; (28) 245, 550, 851; (29) 349, 551; (30) 333; (31) 245, 645;
unfermented, examination, (33) 362.	851; (29) 349, 551; (30) 353; (31) 245, 640,
unfermented, manufacture, (32) 208, 809.	(38) 151.
use in grafting hickory and walnuts, (33)	root borer, notes. (37) 58. root borer, studies, (40) 257. root rot, studies, (32) 149. root weevil, studies, (39) 363.
643.	root not studies (20) 140
leaf cast, treatment, (30) 50; (32) 345. leaf folder, studies, (36) 155.	root weevil studies (20) 262
less mite notes (30) 851	root worm—
leaf mite, notes, (32) 651. leaf roll, treatment, (37) 246.	new host plant of, (29) 657.
leaf roller, school chart, of (31) 395	notes. (34) 65.
leaf roller, school chart of, (31) 395. leaf scald, notes, (30) 448.	remedies, (26) 864.
lear spot, treatment, (27) 250.	rot, studies, (29) 450.
·leafhooper	remedies, (26) 864. rot, studies, (29) 450. rust, notes, (38) 757.
notes, (26) 452; (29) 158; (33) 356; (34) 158.	rusts in India, (27) 353.
remedies, (27) 758: (33) 59.	rusts in India, (27) 353. sap as affected by Bordeaux mixture, (30) 647.
notes, (26) 452; (29) 155; (33) 356; (34) 158. remedies, (27) 758; (33) 59. studies, (27) 157; (28) 855; (30) 547; (33) 556,	scale, studies, (27) 555.
leaves-	Scious for American Stocks, (27) off.
detached, respiration in, (28) 528.	seed oil, analyses and use, (30) 617.
infection by Plasmopara viticola, (26) 550.	seed, wild, oil of, (34) 501.
relation to grape clusters. (30) 132.	seedlings, use as scions, (30) 144.
spray injury, (34) 353. spraying underside of, (30) 651.	seeds, removal from husks, (36) 801.
spraying underside of, (30) 651.	sirup, investigations, (40) 414. skins, isolation of fat from, (29) 459.
little leef notes (99) 754	SETTS ISOLATION OF THE ITOM, (29) 40%

Grape—Continued.	Grapes-Continued.
stocks—	Chasselas, stocks for, (31) 534.
adaptation to soils, (28) 742. American, use in northern France, (29) 340.	chemistry of, (26) 512.
behavior in heavy calcareous soils, (30) 237.	coccid enemies of, (36) 755. cold storage, (28) 437.
diseases of, (31) 544.	coloring matter of, (34) 709.
drought resistant, (36) 241.	composite hybrid of, (28) 542.
effect on quality and quantity of harvest, (30) 43; (31) 238, 534.	composition, (26) 441; (27) 10. conservation, (28) 437.
for dry and limed soils, (27) 145, 441.	conservation in gases, (33) 539.
modification through breeding, (32) 220.	cooking quantiles of different varieties, (32) 360.
root systems of, (37) 43. sugar—	Corinth, girdling, (39) 242.
effect on nitrification, (26) 721.	cost of production, (29) 439. critical months, (39) 811.
rectal and intravenous utilization, (35) 368,	crossbreeding experiments, (36) 742.
369.	crown gall affecting, (25) 447.
toxicity toward dogs, (28) 462 tiger moth, notes, (32) 753. white rot, notes, (30) 247, 651.	culture, (26) 741, 742; (27) 40; (33) 142; (35) 343; (40) 246.
white rot, notes, (30) 247, 651.	culture—
white rot, treatment, (30) 247, 543.	and marketing, (39) 49.
Grapefruit— analyses, (29) 362; (39) 49, 202, 243.	at Paarl viticultural station, (37) 144. experiments, (26) 137; (28) 142, 236, 436; (32)
analyses, (29, 362; (39) 49, 202, 243. analyses and use, (30) 363.	635; (34) 221; (35) 142, 538; (36) 139.
and oranges, hybrid between, (33) 441.	in America, (28) 639.
bright v. russet fruit of, (34) 535. bud variation, (39) 845.	California, (35) (46,
changes in during ripening, (29) 641.	cordon, (40) 538. France, (54) 234.
chlorosis and yellowing, (39) 458.	France, (34) 234. Italy, (34) 235. Japan, (33) 539.
Cladosporium sp., affecting, (31) 645.	Japan, (33) 539.
composition and culture, (34) 835; (35) 745. decay in transit. (32) 745.	México. (26) 46. Nasik District, India, (35) 343. New Mexico, (35) 646. New York, (35) 836. Ohio, (40) 640. Ontario, (35) 448. Oregon, (35) 646; (39) 241. Pennsylvania, (27) 145. sandy soils of Mexico, (30) 643. South Australia, (34) 241; (35) 835; (38) 540; (40) 340. South Carolina, (34) 233.
decay in transit, (32) 745. diseases, notes, (39) 850.	New Mexico, (35) 646.
fertilizer experiments, (33) 48; (35) 839.	New York, (35) 836.
food plant of purple scale, (26) 756.	Ohio, (40) 640.
freeze injury, (39) 143. host plant of fruit fly, (26) 758. juice, preparation, (37) 313.	Oregon, (35) 646; (39) 241.
juice, preparation, (37) 313.	Pennsylvania, (27) 145.
maturity standards, (39) 545.	sandy soils of Mexico, (30) 643.
Platynota rostrana affecting, (26) 150. production in California, (40) 342.	540: (40) 340.
scab, description and treatment, (31) 152.	South Carolina, (34) 233.
scab in Porto Rico, (38) 454.	southern Texas, (32) 539.
seedlings, fertilizer experiments, (31) 742. Siamese seedless, description, (31) 48, 837.	Spain, (33) 559.
skins, analyses, (38) 626.	southern Texas, (32) 539. Spain, (33) 539. United States, (35) 744. Urugusy, (32) 744. Utah, (35) 646.
spotting, studies, (39) 458.	Utah, (35) 646.
storage experiments, (31) 338. studies, (39) 49, 202, 243, 545.	preventable losses in, (33) 143.
sugar and acid contents, (29) 641.	under glass, (30) 443. curculionid enemies, (40) 170.
top-working, (38) 541.	defoliation, (26) 742.
total solids and acidity of, (34) 661.	deignation for control of pests, (38) 201.
variations in, (27) 441. varieties for Texas, (38) 40.	destruction by birds, (33) 152. determining affinity of stock and scion, (34) 42.
yellowing caused by limestone, (39) 458.	development of sugar and acid in, (35) 108.
Grapes—see also Viticulture and Vineyards.	direct bearing—
absorption of foul gases by, (29) 49. acreage and values in California, (40) 538.	hybrid, (31) 238, 637; (35) 41, 646, 838; (36) 641; (38) 845; (39) 242, 447; (40) 538, 640, 838
adaptation and variety tests, (29) 41.	hybrid in France, (34) 344.
American—	in France, (34) 234.
culture in Messina, (28) 237. in Italian vineyards, (29) 238.	in relation to disease, (37) 52. dust v. liquid spraying, (37) 832, 843.
root stocks for, (28) 640.	dusting, (38) 356.
sugar and acid content. (28) 840; (35) 647.	dusting experiments, (38) 546.
analyses, (27) 10. aphids affecting, (37) 358.	European, culture— in eastern United States, (35) 239.
applying fertilizing solutions to aerial portions,	under glass, (33) 237.
(30) 129.	exposed, dangers from, (30) 665.
arsenic content, (26) 841.	under glass, (33) 237. exposed, dangers from, (30) 665. fortilizer experiments, (30) 822; (31) 339, 442, 837; (35) 646; (40) 538. fertilizers in relation to mildew, (40) 850.
as affected by— asphyxiating gas, (37) 153, 253.	fertilizers in relation to mildew. (40) 850.
geotropic angle of roots, (26) 137.	filage of, (38) 754. forcing, (30) 238; (38) 443.
geotropic angle of roots, (26) 137. grafting, (28) 236, 437. spraying in flowering season, (31) 534.	forcing, (30) 238; (38) 443. French-American and American hybrids, (34)
time of pruning, (31) 534.	834.
	frost injuries, (29) 547.
autumn coloration of, (31) 34.	graft hybrids for Brittany, (39) 242.
blooming period (33) 639	grafted— as affected by frost, (31) 47.
Bordeaux injury to, (34) 748.	durshility, (26) 137.
autolysis, (36) 802. autumn coloration of, (31) 34. bagging experiments, (35) 646. blooming period, (33) 639. Bordeaux injury to, (34) 748. breeding, (29) 641; (35) 646; (37) 449.	variation in, (28) 742; (29) 148.
breeding—	grafting, (27) 442; (30) 144. grafting experiments, (26) 137.
and testing in Minnesota, (40) 148. experiments. (32) 338, 835; (33) 641; (35)	grafting, new method, (40) 446.
experiments, (32) 338, 835; (33) 641; (35) 239, 448; (36) 741; (39) 346.	green, in ripe bunches, (34) 234.
for phylloxera resistance, (40) 538. calcium carbide spraying, (40) 750.	growth as affected by meteorology, (29) 510. heading-in, (27) 145.
Californian, fermentation organisms, (40) 110.	Hernito, (40) 342.
cambial activity, (37) 127.	history and culture, treatise, (33) 736.
catalytic substances for, (33) 841.	hybrid forms, (30) 144, 238. hybrid, stocks for, (39) 447.

Grapes—Continued.	Grapes-Continued.
hydrofluoric acid injury, (37) 246.	Vinifera—
improvenient in Minnesota, (34) 637. industry in California, (37) 144.	culture experiments, (37) 544. grafting, (30) 811.
inheritance in, (31) 231.	protection from frost, (32) 635.
inheritance of characters in, (33) 611. insect enemies, cultural control, (40) 259.	winter treatment, (34) 737; (35) 41. waste, vinegar from, (28) 395.
insects affecting, (28) 352; (30) 240, 643; (31)	white, chromogenic substances of, (26) 407.
insects affecting, (28) 352; (30) 240, 643; (31) 849; (32) 56; (33) 652, 746; (35) 448, 646; (38) 843.	wine and by-products yielded by, (32) 208,
lightning injury, (40) 615. liming experiments, (34) 221.	wine, grafting, (31) 47. wine, improvement, (31) 47.
loading, (39) 748.	winter injury, (37) 655.
localization of acids and sugars in, (36) 110. manufacture of vinegar from, (26) 809.	winter protection, (35) 239. winterkilling, (39) 356.
manuring, treatise, (30) 443.	_ xylophagous onemies of, (31) 849.
mealy-bug problem, (39) 461. muscadine—	drapevine— acariasis, notes, (26) 864.
breeding, (37) 544.	aphis, alternate hosts, (39) 464.
culture, (40) 246. home uses, (38) 114.	aphis, life history, (38) 260. apoplexy, notes, (30) 651.
notes, (34) 834.	cocnylis—
paste from, (40) 808. self-fertile, (39) 541.	control, (40) 456. new parasite of, (27) 262.
sirup from, (35) 807.	remedics, (26) 60.
studies, (29) 238.	flea-beetle, steel-blue, notes, (35) 656.
new, description, (29) 838; (31) 337; (33) 238; (35) 37.	gall mite, remedies, (26) 561. leaf spots, notes, (36) 546. mildew, studies, (30) 845.
of Central and Eastern States, composition,	mildew, studies, (30) 845.
(36) 342. of Crimea, (27) 344.	moths— biology and remedies, (34) 654.
Ohanez, (39) 242.	control, (39) 764.
phylloxera-resistant— inheritance in, (36) 537.	notes, (35) 54. pyralid, bacterial disease of, (38) 654.
stock for, (33) 440.	pyralid, notes, (27) 57.
pollen germination in, (33) 539.	pyralid, parasites of, (35) 659. sap, composition, (34) 428.
potassium bitartrate crystals in, (30) 803. production in Spain, (27) 344; (29) 439; (31) 238; (35) 744; (36) 742; (39) 845.	sawfly, notes, (37) 255.
238; (35) 744; (36) 742; (39) 845.	scrawler or writer, notes, (27) 558.
propagation, pruning, and training, (26) 336. pruning, (30) 344, 741; (32) 142, 234; (33) 339; (34) 234; (39) 544, 646.	sphinx moth, white-lined, (40) 648. sphinx, notes, (26) 250.
(34) 234; (39) 544, 646.	tomato gall, notes, (37) 255.
pruning and spacing, (30) 237.	trimmings, ground, analyses and feeding value, (26) 468.
and training, (26) 441; (33) 142; (35) 646. experiments, (27) 540; (29) 238; (31) 534; (32) 234; (37) 40.	Grapevines—
experiments, (27) 540; (29) 238; (31) 534; (32) 234; (37) 40.	alterations in wood following pruning, (28)
raisin and current, methods of drying, (27) 146.	analyses, (34) 767.
reducing and nonreducing sugars in, (29) 503. reproducing by cuttings, (36) 141.	as affected by fungicides, (27) 850. buried, changes in, (38) 822.
respiration in gases, (29) 185, 539. ripening studies, (34) 43; (35) 617; (39) 141.	chlorosis resistance in, (27) 850.
ripening studies, (34) 43; (35) 617; (39) 141. Rotundifolia—	coccid enemies of, (26) 655. composition and digestibility, (31) 72.
breeding, (31) 636.	deterioration in Sicily, (29) 349.
inheritance in, (35) 36.	drought resistance in, (26) 239. grafted, variations in, (36) 611.
inheritance of sex in, (37) 449. propagation, (32) 539; (34) 635.	node canker of, (32) 149. rejuvenating, (26) 138.
self-sterility in, (28) 639.	rejuvenating, (26) 138. renovation by layering, (31) 837.
scorching by sunlight, (20) 551. seedless, pruning, (38) 747.	resistance to hot water, (34) 843.
seedless, pruning, (38) 747. seedless raisin, (39) 845.	training, Oppenheim method, (27) 539. treatment with hot water and sprays, (35) 352,
self-fertilization in, (28) 48. sex inheritance, (39) 242.	353.
shipping, (39) 748.	wild, ash analyses, (27) 801. Graphiola—
spray schedule, (39) 39; (40) 342. spraying, (33) 439; (38) 144; (39) 343, 345, 346,	accoing motor (26) 347
356.	phoenicis, notes, (29) 345; (36) 348, 541.
spraying in relation to flowering, (33) 448. spraying with lead arsenate, (36) 537.	spp., notes, (39) 453. Graphiphora alia, notes, (36) 549.
sterility in, (31) 442; (32) 627.	Graphite—
sterility in, (31) 442; (32) 627. stocks for, (32) 337. storage, (30) 345; (40) 149.	effect on linseed oil, (28) 714. in soil, effect on plants, (29) 19.
adiphate of manganese for, (29) 838.	Graphium spp., studies, (27) 354. Grapholitha—see also Laspeyresia.
thrips affecting, (28) 354. thysanopteran pest, (39) 158.	funebrana, bionomics and remedies, (33) 155.
topping and pinching, (39) 350.	leplastriana, notes, (31) 850.
transportation, (35) 647. treatise, (27) 539: (30) 43.	schistaceana, notes, (34) 656, 758; (38) 465. spp., injurious to fir and spruce, (34) 855.
treatise, (27) 539; (30) 43. utilization of solid residue, (29) 414.	Graphomyla machiata, studies, (37) 704.
varieties, (28) 237, 533; (30) 41; (35) 448; (37) 832; (38) 41, 443, 842.	Grass— anthracnose, identity, (31) 746.
Varieties—	artificial curing. (36) 439.
in Oklahoma, (27) 241.	as sole ration for cows, (33) 174. bacillus, metabolism, (33) 771.
in Portugal, (36) 537. resistant to chlorosis, (27) 49.	billbug, little, biology, (29) 56.
resistant to mildew and frost, (27) 49. resistant to Oidium tuckeri, (28) 245.	billbug, notes, (29) 52. blossoming conditions, (36) 332.
variety tests in Vinifera regions, (33) 538.	culms, development, (32) 432.
variety tests in Vinifera regions, (33) 538. venation angles and leaf dimensions in, (28)	demonstrations in the South, (28) 829. diseases in Württemberg, (29) 845.
541.	diseases, treatment, (34) 541.

Grass-Continued.	Grassas Continued
east-coast, analyses, (26) 768, 873.	Grasses—Continued. breeding, (30) 525; (31) 131, 227.
effect on—	breeding experiments, (26) 830; (29) 138, 139; (36)
fruit trees, (26) 639; (33) 339. milk and butter, (31) 570.	332; (10) 735.
nitrate content of soils, (29) 819.	breeding technique and methods, (35) 232. British, treatise, (40) 525.
roots of young forest trees, (33) 645.	changes in during curing, (32) 110.
embryo, morphology, (37) 127.	classification of varieties, (27) 31.
eradication, (37) 532. for irrigated pastures, (38) 130, 337.	composition— and digestibility, (27) 669; (31) 863.
for pasture and hay in Texas, (37) 827.	as affected by drought, (28) 553.
for shifting sands, (37) 333.	as affected by fertilizers, (32) 665.
fresh— and hay, comparative feeding value, (35)	at different stages, (32) 331. crushing and drying, (27) 277.
372.	culture, (32) 132, 430; (33) 526, 527; (39) 834.
composition and digestibility, (34) 271.	culture-
feeding value, (26) 571. grubs, notes, (30) 551.	experiments, (26) 237, 830; (28) 532; (29) 224,
hybridization experiments, (31) 228.	(34) 34, 228, 630, 736; (35) 829; (36) 32;
identification, (36) 333, 527, 541, improvement, (34) 31; (36) 297.	experiments, (26) 237, 830; (28) 502; (29) 224, 601; (30) 103, 672, 828; (32) 132; (33) 33; (34) 34, 228, 630, 736; (35) 829; (36) 32; (38) 132, 694; (39) 124; (40) 735.
meadow, composition and digestibility, (36) 469.	for winter forage, (38) 735. in Brazil, (29) 428. Dutch East Indies, (30) 697.
mixtures—	Dutch East Indies, (30) 697.
for canal banks, (28) 829.	Hawaii, (62) 129.
meadows, (29) 736.	Montana, (33) 526.
pastures, (31) 37. orairie pastures, (36) 437.	Nebraska, (40) 521. New York, (39) 532. North Wales, (34) 323. Philippines, (26) 361; (30) 230. sand hills of Nebraska, (35) 827.
liming experiments, (40) 322.	North Wales, (34) 323.
notes (30) 829: (31) 830	Philippines, (26) 361; (30) 230.
tests, (26) 231, 630, 830; (28) 532; (29) 32; (30) 229; (31) 430; (32) 566; (33) 430; (35) 31; (36) 102, 333; (37) 230, 735; (38) 138, 666; (39) 135, 333, 336; (40) 72, 732, 733.	Siegerland, (29) 589.
31: (36) 132, 333: (37) 230, 735: (38) 133, 666:	Siegerland, (29) 559. the Ozarks, (29) 427. on moor soils, (38) 132; (39) 438.
(39) 135, 333, 336; (40) 72, 732, 733.	on moor soils, (38) 132; (39) 438.
moth, studies, (33) 560. moth, yellow-harred, notes, (39) 557. moths in Quebec, (38) 459.	under dry farming, (36) 528. cyanogen in, (33) 665.
moths in Quebec. (38) 459	development as affected by water. (31) 524.
mulch for orchards, (37) 833.	"digested." digestibility. (31) 667.
native pasture, of United States, (33) 227.	dissemination of fungi by, (28) 442.
planting in small parks, (33) 442. plots, harvesting, (36) 197. plots, harvesting device for, (38) 228.	drying, (27) 669. effect on fruit trees. (29) 339.
plots, harvesting device for, (38) 228.	effect on fruit trees, (29) 339. embryology, (30) 633. exhibits, (29) 93; (31) 495.
root apnids, notes, (40) 649.	exhibits, (29) 93; (31) 495.
rotation experiments, (36) 528. rust, notes, (26) 143.	fertilizer experiments, (26) 232, 631, 734, 817; (27) 530, 724, 833; (28) 520; (29) 735; (30) 133,
rusts—	134, 721, 820; (31) 31, 133, 173, 821; (33) 227,
relation to cereal rusts. (33) 345.	fertilizer experiments, (26) 232, 631, 734, 817; (27) 530, 724, 833; (28) 520; (29) 735; (30) 133, 134, 721, 520; (31) 31, 133, 173, 821; (33) 227, 228, 326, 526; (34) 25, 128, 423; (35) 517; (36) 133, 125; (36) 247, 267, 268, 269, 269, 269, 269, 269, 269, 269, 269
relation to timothy rusts, (31) 344.	121, 438; (38) 218, 820; (39) 22; (40) 134, 735. fodder—
relation to timothy rusts, (31) 344. studies, (34) 744. taxonomy, (33) 130.	of German East Africa, (38) 66.
scale, western cottony, notes, (29) 252.	India, (39) 231, 234.
seed— cleaning (40) 40	Indian forests, (29) 170. Java, (35) 440; (38) 528.
cleaning, (40) 40. depth of planting, (31) 830. germination tests, (36) 338, 437, 638.	ior nay, tests, (39) 333.
germination tests, (36) 338, 437, 638.	irrigated pastures, (40) 374.
imported, germination tests, (35) 140.	lawns, (29) 148. reclaimed swamp lands, (40) 231.
in Maryland markets, (32) 740. inspection in Maryland, (36) 442.	germination, (40) 222.
production in Europe, (26) 436.	growth—
valuation (36) 638	as affected by carbon dioxid, (28) 728, on volcanic ash, (29) 726; (32) 36; (39) 124.
purity tests, (36) 638. valuation, (36) 638. vitality, (27) 740.	under drought conditions, (37) 437.
seeding on cut-over land, (37) 228.	with legumes, (33) 527.
seeding on ranges, (35) 439. seedlings, comparative anatomy, (34) 134.	indigenous to Australia, (26) 830. insects affecting, (27) 552; (34) 651; (38) 557;
ds	(39) 556; (4C) 163.
awned, abnormal germination, (30) 633.	irrigation experiments, (29) 426; (31) 732; (32)
germination and purity tests, (30) 40. germination tests, (29) 740; (31) 227; (32) 331.	lawn, as affected by soil acidity, (40) 125.
production, (31) 524. ruse spores in, (30) 241.	lawn, new Scierotium disease, (39) 753.
ruse spores in, (30) 241.	liming experiments, (34) 132.
testing, (31) 43. valuation, (30) 40.	meadow, first year development, (32) 330. metaphanic variation, (39) 531.
sickness in lambs, (34) 383.	native, for forage, (31) \$29.
smut, new, description, (26) 846.	new, for the South, (29) 428. new or noteworthy, in U. S. National Her-
smut, treatment, (35) 149. tree as feeding stuff, (33) 72.	barium, (34) 226.
trees, of South Australia, (37) 548.	North African desert, roots of, (26) 535.
webworm, see Crambus luteolellus.	nutritive value, (29) 170. of Ahmadabad and Surat, (32) 37.
with creeping roots, (36) 438, young, feeding value, (36) 439.	Australia. (40) 524.
young, feeding value, (36) 439. Grasserie, destruction, (27) 559. Grasses—see also Meadows, Pastures, and specific	Australia, (40) 524. German East Africa, composition, (36) 334. German Southwest Africa, (27) 871; (32)
Grasses—see also Meadows, Pastures, and specific kinds.	German Southwest Africa, (27) 871; (32)
Alaskan, for silage and hay, (39) 125.	167. Guam, (31) 467.
Alpine pasture, breeding experiments, (30) 633.	Guam, (31) 467. Hawaii, (32) 731; (39) 632.
analyses, (30) 565, 868. as affected by—	IIIIIOIS, (39) 231.
associated legumes, (37) 438.	India, analyses, (28) 768. Java, (31) 431.
frequent clipping, (33) 430.	Nebraska, (33) 131.

```
Grasses—Continued.
of New South Wales, (33) 527.
New South Wales, hydrocyanic acid in, (31)
                                                                                                                                                                                                                                                                                                                      Grasslands, Rocky Mountain, and prairie, com-
parison, (38) 824.
Gravel—see also Road materials.
                                               520.
                                                                                                                                                                                                                                                                                                                                             abrasion test for, (31) (87.
                                                                                                                                                                                                                                                                                                                                          adrision test for, (31) (87. for concrete, screening, (39) 87. for lowls, (37) 288, 695; (38) 692, glading for road construction, (37) 788 grouting tests in river beds, (29) 387 of New Hampshine and Vermont, (31) 787, production in 1912, (30) 87. wearing tests, (33) 751.
                                      Ohio, (38) 528
                     Ohio, (38) 528.
Philippines, (23) 433.
Queensland, analyses, (28) 163.
Russia, notes, (28) 364
Victoria, (40) 32.
West Indies, (39) 410; (10) 32.
on bog and moss soils, (40) 212.
palatability, (33) 674; (34) 865.
pasture—
                                                                                                                                                                                                                                                                                                                     wearing tests, (33) 751.

Gravitation—
and related phenomena, theory, (34) 494.
as affected by temperature, (36) 419.

Gravity acceleration, determination, (36) 419.

Gray scale, remedies, (36) 357.

Grayfish, description and food value, (37) 63.

Grazing—see also Range.
effect on soil moisture, (28) 321.
effect on western yellow pine reproduction, (38) 447.
in dry weather. (33) 98.
                      pasture-
                                          ture—analyses, (33) 227.
breeding and selection, (33) 430.
culture experiments, (34) 228.
for irrigated lands, (32) 628.
notes, (30) 829.
of Urnguny, (30) 868.
trials, (39) 130.
                     pollination experiments, (37) 734.
red spider attacking, (39) 65.
relation to climate, (28) 27.
relation to climatic and edaphic factors, (39)
                                                                                                                                                                                                                                                                                                                   (38) 447.
in dry wenther, (33) 98.
in forests, (40) 343, 448.
in Wenaha National Forest, (33) 486.
in Wenaha National Forest, (33) 486.
industry in blue grass region, (35) 867.
lands, depleted, reseeding, (30) 35.
lands of Scotland, (34) 299.
lands, stock watering places on, (31) 366.
lands, western, erosion control, (39) 439.
on public lands, (34) 305.
relation to timber reproduction, (29) 543.
studies, (29) 531.
system, deferred and rotation, for Kanssa pastures, (39) 439.
Gresse, recovery from sewage, (27) 319; (28) 619;
(31) 417.
Gresses, hard, methods of analysis, (35) 316.
                  relation to crimate and enapsie factors, (ss) 734.
relation to dry farming, (37) 437.
relation to dry farming, (37) 437.
root parasites of, (31) 542.
Sclerotium disease affecting, (27) 150.
seeding experiments, (31) 524.
sewage for, (28) 716.
Spanish, of northern Africa, (33) 131.
tests, (35) 528.
textbook, (32) 133.
transpiration, (39) 517.
treatise, (29) 139.
tropical, for paper making, (40) 823.
varieties, (27) 32, 334; (28) 431; (29) 138, 222, 428, 530, (31; (30) 229, 828; (31) 133, 828; (32) 431; (34) 736; (35) 134; (37) 132, 227; (38) 131, 335, 433, 634, 828; (39) 336; (40) 735.
water requirements, determination, (33) 228.
wild, breeding experiments, (32) 532.
wild fodder, of Poona District, India, (37) 136.
yield as affected by ground water level, (29)
                                                                                                                                                                                                                                                                                                                     (31) 417.
Greases, hard, methods of analysis, (35) 316.
Greases, surface caterpillar, biology, (40) 167.
Great Lakes, meteorological influences, (38) 317.
Grebe, horned, notes, (27) 355.
Greedy scale—
notes, (28) 854.
on olive, (38) 157.
                                                                                                                                                                                                                                                                                                                                             bug, see Grain aphis, spring, and Toxoptera
yield as affected by wind-breaks, (28) 40.

Grasshoppers—see also Locusts.
affecting Sudan grass, (33) 747.
and their control, (34) 188.
breeding experiments, (40) 367.
clear-winged, see Camnula pellucida.
control, (33) 59; (39) 59, 359, 558, 656, 763.
control in Imperial Valley, (34) 450.
control in New York, (34) 61.
destruction, (34) 653.
differential, studies, (39) 359.
immunity principle in, (39) 358.
in Colorudo, (34) 651.
Mermis epidemic among, (39) 350.
notes, (33) 746; (34) 752; (40) 452, 453, 853, 856.
outbreak in New Meuco, (34) 159.
pink, notes, (33) 58.
poison baits, (39) 359.
Grassland—see also Grasses, Meadows. and Pagenting States (35) 359.
                         yield as affected by wind-breaks, (28) 40:
                                                                                                                                                                                                                                                                                                                                                       graminum.
                                                                                                                                                                                                                                                                                                                                           grammum.
flash at sunset, (33) 717.
fly, destruction on rose bushes, (27) 621.
foods, vitamins in, (40) 564.
fruit worm, notes, (28) 156, 157; (34) 752; (36) 549.
fruit worm, oviposition of, (31) 352.
                                                                                                                                                                                                                                                                                                                                    reen manure—
and manuring in the Tropics, treatise, (37) 28.
action of, (29) 820.
ammonification and nitrification of, (33) 514.
applying barnyard manure with, (32) 721.
as nutrient for soil bacteria, (34) 327.
as source of energy in nitrogen fixation, (32) 515 bacteriological effects, (32) 721.
crops, insects affecting, (38) 387.
crops of Java, (34) 444.
crops, plowing under v. feeding, (38) 622.
decomposition—
as affected by cow manure, (32) 514.
as affected by manure, (34) 129; (36) 817;
(39) 725.
                                                                                                                                                                                                                                                                                                                       Green manure
     Grassland-see also Grasses, Meadows, and Pas-
               tures.
                                                                                                                                                                                                                                                                                                                                                                  (39) 725.
in soil, (38) 623.
                        as affected by burning, (31) 721.
basic slag for, (34) 298.
botanical characteristics, (30) 828.
                                                                                                                                                                                                                                                                                                                                             effect on—
germination of seed, (28) 816; (33) 331; (35)
                                                                                                                                                                                                                                                                                                                                         germination of seed, (28) 816; (33) 331; (35) 529.
grapes, (31) 339.
soil acidity, (37) 718; (38) 20.
soil nitrates, (33) 720.
soil nitrates, (35) 218.
soil nitrates, (35) 5218.
solubility of inorganic soil constituents, (37) 422.
farming, (26) 817.
farming, (26) 817.
farming, treatise, (26) 425.
fermentation in soils, (30) 626.
fertilizing value, (28) 522; (31) 124, 732; (35) 125; (36) 818; (37) 425.
for arid soils, (34) 621.
for Oregon, (32) 333.
sandy and white moss soils, (35) 628.
sandy soils, (32) 124.
semiarid soils, (37) 319.
swamp rice soils, (37) 425.
humification (31) 120; (39) 423.
insect pests, (40) 259.
                      composition of herbage, (28) 123; (37) 230. composition of herbage, (28) 123; (37) 230. composition of herbage, (28) 123; (37) 230. culture. Elliot system, (33) 431. culture in Netherlands, (31) 596. dry, of high mountain parks, (36) 434. English, breaking up, (39) 531, 616, 724. fertilizer experiments, (20) 32; (28) 530, 729, 736; (32) 331, 630; (40) 626. harvesting for hay and grazing, (40) 824. improvement, (38) 635. liming, (37) 230. liming experiments, (39) 530; (40) 824. manuring, (27) 431. of west of England, (39) 439. phosphates for, (35) 630; (39) 520. predpitation-evaporation factor in, (37) 525. relation to food production in Great Britain, (38) 635.
                           care, (30) 829.
                                      (38) 635.
                         seeding and management, (36) 97.
top-dressing, (27) 337; (31) 132; (38) 218.
```

Green manure—Continued.	Greenhouses-Continued.
nitrification, (28) 124.	insect pests of, (29) 252; (30) 746; (34) 59, red spider in, (39) 65.
relation to failure of seedlings, (35) 24. relation to nitrogen fixation, (38) 27.	small, construction and management, (28) 838;
tests, (29) 830.	(35) 445.
time and depth of plowing under, (35) 425.	summer utilization, (33) 42.
use, (33) 516.	Greens, preservation, (38) 266.
use in Germany, (33) 624.	Greensand—
use of carbon dioxid with, (32) 322. varieties, (30) 525.	as source of potash, (39) 218, 219; (40, 299, 423, deposits in eastern United States, (38) 122.
Green manuring—	Gregarina n.spp., descriptions, (37) 558.
as affecting availability of floats, (39) 25.	Gregarine—
as affecting availability of floats, (39) 25. effect on soil nitrogen and humus, (28) 624.	
effect on soil nitrogen and humus, (28) 624. effect on sugar beets, (26) 438. experiments, (26) 233; (27) 638; (28) 339, 721; (29) 540; (30) 325, 731, 741; (31) 635, 722; (32) 132, 216, 722; (36) 324, 518; (37) 320; (39) 30, 326, 622, 725, 816; (40) 24, 126, 229, 321. for swedes, (26) 536. for tea. (30) 444.	sp., notes, (30) 362.
experiments, (26) 233; (27) 638; (28) 339, 721;	Gregarines—
132 216 722 (36) 324 518 (37) 320: (39) 30 326	chromosome cycle, '34) 458 studies, (27) 551; (37) 53.
622, 725, 816; (40) 24, 126, 229, 321.	Grevillea robusta—
for swedes, (26) 536.	arbutin in leaves of, (27) 527.
illustrated lecture, (39) 898. in Central Provinces, India, (35) 123.	Grewia spp., analyses and digestibility, (27) 871; (32) 167.
Fact Indiae (20) 492	Grignon, France, college and experiment station,
India, (31) 215; (36) 623; (37) 334; (39) 229. Japan, (29) 729.	history, (32) 290.
Japan, (29) 729.	Grindelia oregana wilkesiana n.sp., description,
Java, (36) 324. Mysore, (27) 21; (38) 220.	(34) 336. Gristmill industry in United States, (31) 65.
loss of organic matter in. (39) 816.	Grit, value in poultry feeding, (34) 377.
notes, (26) 723; (30) 125, 625; (31) 122; (32) 332, 423; (33) 217; (34) 138.	Grits, composition, (33) 259. Grits, inspection in South Carolina. (28) 265.
423; (33) 217; (34) 138.	Grits, inspection in South Carolina, (28) 265.
relation to soil acidity, (39) 216, 424.	Groceries, cooperative buying, (31) 262. Grooer's encyclopedia, (31) 68.
Green—	
oil, insecticidal value, (34) 359. plant bug, southern, (39) 558.	inspection, (29) 661; (30) 665; (31) 359, 667; (32)
scale fungus, new, (36) 253.	162; (33) 67; (36) 663.
scale, notes, (38) 364.	inspection in Indiana, (34) 301.
shield scale, notes, (35) 852.	Grosbeak, black-headed, destructive to codling
scale fungus, new, (36) 253. scale, notes, (38) 364. schield scale, notes, (35) 852. soldier bug, see Nezara viridula. vegetables, bacterial count, (40) 658.	Grocery Stores— inspection, (29) 661; (30) 665; (31) 359, 667; (32) 102; (33) 67; (36) 663. inspection in Indiana, (34) 861. inspection in Virginia, (29) 766. Grosbeak, black-headed, destructive to codling moth, (27) 559. Grotivanyian g and a spp., descriptions, (39) 869.
	GIOMADOM MANGALA ENPPH, GODON PROPERTY (40)
heredity of bristles in, (31) 551.	Ground— bone—
heredity of bristles in, (31) 551. studies, (33) 157. Greenbrier fruit, analyses, (36) 502.	analyses, (28) 726; (39) 329.
Greenbeart—	analyses, (28) 726; (39) 329. fertilizing value, (27) 736. for carnations, (27) 844.
durability tests, (34) 56.	glass ingestion, effect, (40) 385.
notes, (28) 544.	hogs, revision, (33) 57.
tree, notes, (36) 745.	levels in democracy, treatise, (34) 796.
Greenhouse-	squirrels, see Squirrels.
crop diseases, notes, (27) 644.	Groundnuts, see Peanuts. Groundsel, heredity of characters in, (29) 216.
end soil injury by ges (37) 727	Grouse-
and soil, injury by gas, (37) 727. carbon dioxid for, (39) 38.	Canada, growing in captivity, (27) 675.
culture on muck or humus sous, (33) 139.	coccidiosis in, (26) 187. disease, paper on, (38) 256.
fertilizer experiments, (39) 843; (40) 739, 741	heather and moor burning for, (40) 001.
insects affecting, (27) 644; (32) 448; (38) 459 556.	ruffed, notes, (27) 355. treatise, (26) 146.
malnutrition or overfertilization, (30) 141.	treatise, (26) 146.
fumigation experiments, (37) 660.	Growing season in United States, (40) 209. Growth—
insecticides, tests, (30) 355.	accoloration after retardation, (34) 862.
insects—	accessories in corn, (36) 158.
apparatus for removing, (39) 463. in New Jersey, (36) 550.	accessories in corn, (36) 158. amino acids in, (31) 558; (32) 460, 662. anaerobic plating for observation, (36) 379.
new, (40) 753,	and form, treatise, (40) 566.
new, (40) 753. notes, (40) 163.	and form, treatise, (40) 566. and nutrition, standards for, (40) 865.
investigations, variable factors in, (32) 535. leaf tyer, see Phlyctaenia ferrugalis.	ss affected bv—
plants, effect of low temperatures on, (40) 147.	diet, (29) 164; (32) 230.
plants, insects affecting, (28) 853,	diet, (29) 164; (32) 256. fasting, (29) 869. inorganic elements in diet, (40) 70.
soils partial sterilization, (26) 815; (27) 621; (31)) isolated ovaries, (40) 602.
336. soils, "sickness" in, (28) 119. soils, sterilization, (22) 620; (38) 556. soils, sterilization, (32) 620; (31) 751. (21)	milk fat, (30) 560.
soils sterilization (32) 620: (38) 556.	mineral content of rations, (33) 666. natural fats, (33) 262.
soils, sterilization, (32) 620; (38) 556. thrips, notes, (27) 555; (30) 753; (31) 751; (35)	pituitary and thymus substances, (35) 171.
658.	nitraitery feeding (34) /hh: (3h) 4hh.
thrips, studies, (26) 247.	protein intake, (30) 366; (32) 262, 465.
Greenhouses—	restricted rations, (33) 69, 367. vegetable fats, (33) 465. biochemistry of, (30) 201, 477.
Coccidae of, (39) 762.	biochemistry of, (30) 201, 477.
construction, (32) 386; (40) 247.	chemistry and physiology of, (36) 363.
construction and equipment, (38) 39.	chemistry of, (32) 360, 697.
Cronartium ribicola in, (39) 248.	dietary factors in. (34) 368: (38) 367.
electricity in (20) 489	digest of data, (31) 463; (33) 462.
factors affecting light in. (29) 741.	energy expenditure required for, (29) 85.
fumigation, (29) 41, 641; (32) 536; (36) 842; (38) in animal organisms, (32) 10b.
155, 158, 258, 330; (39) 256.	lectures and seminars on. (35) 408.
Coccidae of, (38) 762, cockroach pest, (39) 761, construction, (32) 386; (40) 247, construction and equipment, (38) 39. Cronartium ribicola in, (39) 248, determination of humildity in, (33) 638, electricity in, (30) 488, factors affecting light in, (29) 741, funigation, (29) 41, 641; (32) 536; (36) 842; (38) 155, 158, 258, 330; (39) 256, heating, (31) 533; (35) 742, hot water heating for, (27) 893; (34) 88.	biochemistry of, (30) 201, 477. chemistry and physiology of, (36) 363. chemistry of, (32) 360, 697. choice of diet for, by rats, (39) 770. dietary factors in, (34) 365; (38) 367. digest of data, (31) 463; (33) 462. energy expenditure required for, (29) 65. in animal organisms, (32) 165. in fowls as affected by calcium salts, (39) 177. lectures and seminars on, (35) 463. nutrition factors affecting, (31) 69.
11 PROPE SECURITION () () () ()	

Growth—Continued.	Guano-Continued.
of human body, (40) 872. of infants as affected by maternal ingestion of placenta, (40) 560. of steers on limited rations, (40) 567.	Peruvian—
of infants as affected by maternal ingestion of	analyses, (28) 523.
placenta, (40) 566.	analyses, (28) 523. composition, (29) 318. fertilizing value, (26) 829; (29) 31. production and use in 1911, (29) 213.
of young animals as affected by Roentgen rays,	production and use in 1011 (20) 31.
(31) 664.	residual effects, (31) 319.
of young animals following parturition, (40) 877.	Philippine, analyses and notes, (28) 521.
on autoclaved casein, (39) 369.	Philippine, analyses and notes, (28) 521, relation to tobacco gummosis, (28) 243, supply of French Somaliland, (27) 521.
organic, electrolytic concept, (38) 524.	supply of French Somaliland, (27) 521.
pathology of, (31) 280. postnatal, of undersized rats, (40) 469.	use as a fertilizer, (36) 425.
postnatal, of undersized rats, (40) 409.	Guanosin, metabolism of, (32) 256. Guar—
producing substance in typhoid bacillus cul- tures, (39) 82.	culture, (32) 226.
relation to	culture experiments, (27) 136; (28) 735; (31) 829,
chemical constituent of diet, (30) 64. diet and body composition, (36) 663. mineral content of rations, (20) 64.	culture in New South Wales, (26) 835.
diet and body composition, (36) 663.	meal, analyses, (38) 572.
mineral content of rations, (20) 64.	notes, (26) 362.
resumption after stunting, (34) 562. stimulation, (32) 697.	Guava— analyses, (40) 763.
studies, (34) 561; (35) 472, 864; (36) 160, 263, 366,	diseases, notes, (29) 243.
stimulation, (32) 697. studies, (34) 561; (35) 472, 804; (36) 160, 263, 366, 524; (38) 729.	pink disease, notes, (27) 445.
theory of, (29) 64.	Guavas—
Grubbing machines, motor driven, notes, (27) 588.	analyses, (32) 761.
Grubs— grass, notes, (30) 554.	analyses and use, (30) 363. budding, (32) 143.
in West Indian soils. (28) 858; (29) 858; (30) 554.	culture in Gujarat, (36) 642.
in West Indian soils, (28) 858; (29) 858; (30) 554. lamellicorn, of West Indies, (35) 661.	host plant of fruit fly, (26) 758.
white, see White grubs.	insects affecting, (26) 553. of Hawaii, (37) 835.
Grugru nuts and kernels, oil content, (31) 234.	of Hawaii, (37) 835.
Gryllidae of Formosa and Japan, (30) 250.	recipes, (28) 660.
Gryllotalpa— gryllotalpa, see Mole cricket, European.	strawberry, cold storage of, (32) 439. Guayule—
vulgaris, see Mole cricket.	culture experiments, (29) 443.
Gryllotalpoidea of South America, (37) 157.	rubber and resin content as affected by rainfall,
Gryllus domesticus, see Cricket.	(30) 744.
Guaiacol—	Guignardia—
antiseptic value, (39) 885.	n.comb., description, (35) 851.
in oil, germicidal power, (40) 882.	studies, (35) 154.
Guam grass— chloroform extract of, (31) 71.	treatment, (39) 548.
composition. (27) 668.	baccae, notes, (39) 457.
composition, (27) 668. digestibility, (27) 669; (37) 168.	bambusae n.sp., studies, (27) 154.
Guam Station—	bidwellii, chlamydospores of, (28) 152.
report, (28) 194; (30) 94; (31) 495; (32) 796; (35) 898; (37) 796; (40) 396.	bidwellii, studies, (40) 851. vaccinii, treatment, (39) 749.
work of, (38) 607.	Guinea-chicken hybrid serum, refractive index, (35)
Guama—	279.
ant, remedies, (31) 637.	Guinea corn—
as a honey plant, (27) 856.	culture experiments, (29) 830; (32) 227; (35) 135.
Guanaco, value as domestic animals, (27) 470.	diseases in West Indies (37) 452
Guanidin—	culture experiments, (29) 830; (32) 227; (35) 135. culture in Jamaica, (32) 229. diseases in West Indies, (37) 452. fertilizer experiments, (30) 525. hydrocyanic acid in, (33) 505. varieties, (30) 155; (32) 455.
assimilation by mold fungi, (29) 29.	hydrocyanic acid in, (33) 506.
effect on plants, (27) 27; (28) 426. fertilizing value, (30) 326.	varieties, (30) 525; (32) 435. Quinea fowl-peacock hybrids, notes, (33) 575.
hydrochlorid, assimilation by plants, (26) 32.	Guinea fowle-
in germinating corn, (35) 202.	Guinea fowls— breeding, feeding, and marketing, (38) 174.
in germinating corn, (35) 202. in rice polishings, (33) 167.	care and management, (39) 176. horny tissue on head of, (28) 668. interstitial cells, (39) 177.
nitrate, fertilizing value, (31) 518, 822; (34) 25; (36) 134.	horny tissue on head of, (28) 668.
nitrification in soils, (38) 119.	interstitial cells, (39) 177.
Guanidoglycylglycylglycin, synthesis, (36) 202.	management, (40) 177.
Gnanin	serum proteins of, (32) 861. Guinea grass—
assimilation by mold fungi, (29) 29 effect on plant growth, (28) 224. in cows' milk, (37) 308; (38) 506. in rice polishings, (33) 167. isolation from soils, (28) 218, 417. pentosid and vernin, identity, (27) 407.	analyses, (38) 368.
in coure' milk (27) 208: (28) 506	composition and culture, (31) 832.
in rice polishings. (33) 167.	culture experiments, (28) 136, 633, 735; (30) 434, 632; (31) 524; (37) 730.
isolation from soils, (28) 218, 417.	032; (31) 324; (37) 730.
pentosid and vernin, identity, (27) 407.	culture in Guam, (32) 731. culture in Philippines, (26) 361; (40) 231.
Guano-	effect on fat content of milk. (30) 678.
analyses, (26) 715; (33) 424, 821.	fertilizer experiments, (27) 336.
Argentina, composition, (27) 327.	notes, (26) 362.
bat, see Bat guano. bird, fertilizing value, (29) 129.	yields, (29) 224. Guinea pig serum, anaphylatoxin produced in, (37)
cave, analyses, (40) 621.	579.
Chinchs and Lobos, fertilizing value, (33) 722.	Guinea pigs—
deposits-	as affected by oat diet. (36) 364
of Ballestas Islands, exploitation, (33) 424. of South Africa, (29) 516.	as affected by tuberculin, (29) 480.
on Naura Island, (31) 321.	as affected by tuberculin, (29) 480. bleeding, (40) 479. breeding, (30) 874.
exports from India, (33) 327.	breeding experiments. (27) 370.
exports from India, (33) 327. fertilizing value, (29) 829; (39) 625. fish, see Fish guano.	breeding experiments, (27) 370. care and management, (28) 173; (37) 775.
tish, see Fish guano.	castration. (29) 168.
industry in	color, sex, and fertility in, (30) 472. composition in milk, (40) 775.
Chile, (30) 720. Peru, (31) 30, 517. South African islands, (31) 122.	enilensy in. (35) 564
South African islands, (31) 122.	epilepsy in, (35) 564. genetic studies, (34) 464.
Islands in Pacine Ocean, (31) 728.	growth in empryo and after birth, (35),504.
notes, (28) 817.	growth of, (30) 487.

Guinea pigs-Continued.	Gunfire, effect on rainfall, (38) 115, 511.
healthy and tuberculous, temperature, (28) 781. hybridization experiments, (28) 667; (39) 877.	Gunpowder, fertilizing value, (29) 625. Gur manufacture in United Provinces, (40) 208.
identification, (35) 880. immunization against—	Gutta-percha—
anthrax, (28) 376; (29) 378.	composition and quality, (2) 745. industry in Kaiser Wilhelm Land, (26) 745.
anthrax, (23) 376; (29) 378. glanders, (27) 782; (30) 578. tuberculosis, (26) 85; (29) 480; (32) 275; (34)	Guyacin, chemical formula for, (31, 309. Gyalocephalus—
82.	capitatus, notes, (39) 686, 892.
immunization experiments, (35) 485. infectious disease, (39) 686.	equi n.sp , description, (39) 892. Gymnasts, gaseous metabolism of, (34) 261.
inheritance of—	Gymnoascus spp., notes, (28) 562.
acquired characters in, (28) 877. color in, (26) 878; (27) 573; (38) 776.	Gymnocladus canadensis, warty roots of, (31) 546. Gymnoconia—
color in, (26) 878; (27) 578; (38) 776. tricolor in, (30) 265, 266; (35) 770. tuberculo-protein hypersensitiveness in,	interstitialis, notes, (29) 50; (37) 457; (33) 454 peckiana, notes, (40) 53.
(26) 182,	peckiana, selected cycles, (39) 528.
intra-uterine growth cycles of, (29) 168. morphology of blood, (28) 777.	Gymnogaster bupl.tholma, notes, (29) 858. Gymnonychus californicus, studies, (26) 260.
morphology of blood, (28) 777. nontubercular mortality in, (26) 182. normal and tubercular, chemical composition,	Gymnoparea (Actia) pilipennis, notes, (35) 659.
(35) 883.	Gymnosperms, serodingnostic classification, (38) 731.
normal metabolism, (38) 572. oestrous cycle, (40) 467.	Gymnosporangia on Myrica and Comptonia, (37) 551.
of Laysan Island, (27) 549.	Gymnosporangium—
physiology of reproduction in, (33) 369. pigmentation, (40) 177.	biology and taxonomy, (27) 424. blasdaleanum—
pigmentation, (40) 177. pneumonia (30) 579.	notes, (31) 150, 345; (32) 645 studies, (32) 51; (40) 345.
raising, (29) 472. resistance to tubercle bacilli, (30) 783.	chinensis n.sp., description, (30) 433
rotation of blood plasma and serum in, (29) 881. sex determination and control in, (33) 168.	clavariaeforme—
structure simulating Negri bodies in brain of,	life history, (30) 745. notes, (37) 550.
(28) 534, susceptibility to pneumonic plague, (28) 180.	effect on— apple leaves, (26) 649; (30) 245; (32) 751.
transplanting of ovaries in, (28) 173; (30) 472.	cedars, (28) 151. galls, studies, (35) 46.
treatise, (30) 874. tuberculous, cell content of blood, (28) 283.	haraeanum, notes, (31), 641.
tuberculous, intra-vitam staining, (30) 81. Guizotia—	host relationships, (35) 244.
abyssinica, culture for seed, (37) 230.	notes, (29) 547.
cake, analyses and feeding value, (29) 467. oleifera cake, feeding value, (26) 267.	teleutospore stage, (27) 648. juniperi-virginianne—
Gulaman dagat, use as food, (40) 557.	effect on apple leaves, (29) 648.
Gull, Franklin's notes, (27) 355. Gullet worm of sheep and cattle, life history, (34)	lipolytic action in teliospores of, (35) 225. notes, (28) 243.
783. Gullies, reclamation, (33) 392.	on apple, (39) 54, studies, (34) 54; (35) 49, 848.
Guils, North American, distribution and migra-	koreaense, studies, (34) 840.
tion, (34) 158. Gulonic lactone, preparation, (40) 110.	macropus— infection of apple leaves by, (29) 647.
Gum—	notes, (40) 53.
adhesive, preparation from corncobs, (40) 17. arabic, determination, (35) 417.	studies, (34) 157. monograph, (26) 243.
arabic, use in food products, (34) 167. asafetida, lead number of, (32) 300.	myricatum n. comb, description, (32) 341. new Asiatic, in Oregon, (34) 352.
asafetida, lead number of, (32) 300. collecting and distilling, (33) 543.	nootkatensis n.sp., description, (35) 844.
desert, culture experiments, (34) 232. destructive distillation, (27) 745.	review of investigations, (35) 650. sabinae, notes, (28) 429; (29) 155; (35) 454; (37)
determination in-	550.
linseed cake, (26) 714.	secondary sporidia of, (30) 653. speciosum, aecidial host for, (26) 645.
sirups, (28) 205, 206. sugar residues. (36) 415.	spp., galls of, (38) 448. spp., in Pennsylvania, (35) 351.
gum sirups, (36) 507. linseed cake, (26) 714. sirups, (23) 205, 206. sugar residues, (36) 415. humification, (38) 26. moth in Australia, (40) 857. red distillation value, (32) 48.	spp., inoculation experiments, (38) 253.
red, distillation value, (32) 48. resin, extraction from Boswellia serrata, (29) 43.	spp., notes, (30) 544. spp., on apples, (32) 644; (34) 444.
resin, extraction from Boswellia serrata, (29) 43. resins, methods of analysis, (27) 205.	spp., on apples, (32) 644; (34) 444. spp., studies, (38) 151.
resins of Araucaria araucana, (40) 615.	tubulatum on junipers, (34) 546. Gynaikothrips uzeli affecting tobacco, (30) 658.
tragacanth— as binder for ice cream, (36) 78.	Gypona— flavilineata, notes, (33) 58.
bassorin, conversion into bassoric acid, (40)	spp., notes, (27) 859.
202. detection, (27) 14. use in food products, (34) 167.	Gypsum— analyses, (27) 327; (32) 424; (38) 521; (39) 121.
use in food products, (34) 167. weed, water requirement, (32) 127.	annication to became sails (22) 222
Gumhar, notes, (29) 443.	as corrector of soil acldity, (40) 815. decomposition in soils, (34) 217. deposits in Oklahoma, (30) 724. deposits in southwestern Virginia, (30) 724.
Gummosis— notes, (27) 249.	deposits in Okiadoma, (30) 724. deposits in southwestern Virginia, (30) 724.
soil réaction studies, (39) 56. studies, (30) 747, 749; (35) 331.	determination in soils, (32) 806. diffusion in soils, (29) 128.
Gum-oleo-resin from Boswellia serrata, (40) 248.	effect on—
Gums-	alfalfa, (37) 33. ammonia-fixing power of soils, (27) 323.
chemistry of, (31) 409. of Chile, (38) 336. treatise, (30) 310.	ammonification, (28) 724. availability of soil potash, (36) 519.
vegetable, detection in food products, (40) 410.	availability of soil potash, (36) 519. concrete, (29) 891. fermentation of manure, (38) 19.
Gumwoods, North American, characteristics, (26)	fermentation of manure, (38) 19.

Gypsum—Continued	Haematobia-
effect on-continued.	irritans, see Horn fly.
germination of seeds, (29) 328. nitrification, (26) 527; (28) 217. nitrogen content of soy beans, (28) 721.	sanguisugens, life history, (35) 760.
nitrification, (26) 527; (28) 217.	serrata, see Horn fly.
nitrogen content of soy beens (28) 721	Hormotococcus plumiclis constinuid and a
notoch colubility (20) 521	Haematococcus pluvialis, carotinoid content, (31)
potash solubility, (39) 521. protein content of soy beans, (34) 141. soil acidity, (37) 23.	_803.
protein content of soy beaus, (54) 141.	Haematopinus—
soil acidity, (37) 23.	asini, biology and remedies, (38) 184.
soil microorganisms, (34) 625.	bituberculatus, relation to surra in carabaos
soil potash, (36) 625.	(28) 756.
soils, (26) 216; (39) 425, 821.	migrogerholisen en description (96) est
enlubility of phosphotes (98) 919	microcephalus n.sp., description, (26) 655.
sulforlying power of soils, (37) 119. fertilizing value, (26) 725; (27) 321; (28) 137, 737; (33) 841; (34) 133, 725; (36) 23, 425; (37) 626, 825; (39) 222; (40) 440.	spp. on cattle, (40) 651.
sundying power of sons, (37) 119.	suis adventicus n.var., description, (26) 655
rerunzing value, (20) 725; (27) 321; (28) 137,	suis, studies, (40) 652.
737; (33) 841; (34) 133, 725; (36) 23, 425; (37)	Haematopota, parasitic flagellates of, (26) 84.
626, 825; (39) 222; (40) 440.	Haematosiphon inodora, notes, (29) 454.
for alfalfa, (40) 730.	Hornithone enthuceterne maneritie
for black alkali soils (30) 393: (40) 51	Haemithacea erythrostoma, parasitic on grapevine
industry in 1012 (20) 127	sphinx, (26) 250.
industry in 1010, (02) 121.	Haemogamasus—
for alfalfa, (40) 730. for black alkali soils, (39) 323; (40) 51. industry in 1913, (32) 127. industry in 1916, (39) 120. industry in 1916, (39) 120. industry in United States, (34) 221. nitrogen obscrption capacity, (28) 325. on alkali jil, (39) 215. product in and use in 1913, (33) 26. production and use in United States, (31) 125; (36) 134.	oudemansi n.sp., description, (32) 353.
industry in United States, (34) 221.	congrigore a sp. description, (04) se
nitrogen description capacity, (28) 325.	sanguineus n.sp , description, (34) 66.
on alkali bil. (39) 215.	Haemogregarina spp., notes, (26) 883.
production and use in 1913, (33) 26.	Haemonchus contortus—
production and use in United States (21) 195.	anatomy and life history, (35) 678.
(90, 186)	in Guam, (35) 878.
	in Philippines, (37) 277.
review of investigations, (27) 128.	111 1 1111[1]11403, (01) 211.
use against beet rots, (30) 244.	life history, (29) 476.
use on California soils, (30) 627.	notes, (27) 182; (28) 481; (37) 779; (40) 88.
use on reclaimed waste land, (28) 736.	Haemoproteus—
17000 (30) 197	
uses, (32) 127.	columbae, sporogony, (34) 855.
Gypsy moth, see Gipsy moth. Gyrococcus flaccidifex—	columbae, transmission, (35) 678.
Gyrococcus naccialiex—	danilewski, notes, (26) 883.
n.g. and n.sp., description, (27) 661.	Haemosporidia, classification, (39) 163.
n.g. and n.sp., description, (27) 661. notes, (28) 254.	Haemostrongylus vasorum, notes, (30) 279.
Habernaria obtusata, pollination by mosquitoes,	Haamatriahamanas n.a. and n.ann. notes (20) 704
(30) 658.	Haemotrichomonas n.g. and n.spp., notes, (38) 784.
	Hail—
Habichuela—	as affected by forests, (29) 842.
cimarrona, culture, (34) 736.	effect on trees, (37) 250.
parada, culture, (34) 736.	formation, theories, (34) 208.
Habrobracon—	
	in Kansas, (38) 209.
brevicornis—	Maryland, (34) 413.
parasitic on bee moth, (26) 657.	Paris region, (36) 208, 719.
studies, (39) 566.	the Tropics, (27) 617.
hebetor-	United States (27) 519
notes, (27) 564; (29) 658.	United States, (37) 512. injury to cereals, (33) 127.
normatic on for moth (96) 949	injury to cereais, (83) 127.
parasitio on ng moon, (20) 240.	injury to cultivated plants, (35) 734.
Jouannseni, notes, (30) 155, 655.	insurance, (40) 894.
parasitic on fig moth, (26) 248. johannseni, notes, (36) 155, 655. n.sp. on cotton bollworm, (33) 159.	insurance—
n.spp., descriptions, (32) 852.	in Alberta, (39) 496.
simonovi n.sp., description, (33) 658.	Dormark (27) 704
	Denmark, (27) 794.
Habrocytus—	England and Wales, (29) 189.
fasciatus, notes, (29) 562.	France, (26) 388; (29) 790.
medicaginis n.sp., description, (35) 262.	New England, (36) 192.
medicaginis, studies, (36) 259.	North Dakota, (37) 594.
North American species, (37) 162.	various countries, (36) 593.
obscuripes, notes, (36) 259.	report on (28) 515
piercei n en description (26) 359	report on, (26) 515. statistics, (40) 894.
piercei n.sp., description, (26) 352. sp., notes, (26) 151.	mantantiam (07) 15, (21) 00
SD-, HOUS, (20) 101.	protection, (27) 15; (31) 22.
thyridopterigis, notes, (27) 55%.	protection—
Habrolepoidea depressa n.sp., description, (36) 557.	electric niagaras for, (30) 511; (34) 208.
Habronema-	electrical devices for, (31) 416.
larvae infestation, (40) 586.	experiments, (40) 118.
microstomo notos (20) 69	in France, (30) 713.
microstoma, notes, (29) 83.	squall in Baltimore, (37) 807.
muscae, life history, (26) 255; (29) 82.	
Habronemiasis, cutaneous, in norses, (37) 279.	theories, (37) 512.
Hackberry-	wounds on fruits, notes, (28) 826.
as a hedge plant, (37) 211.	wounds on woody plants, studies, (29) 131.
insects affecting, (37) 461.	Hailstones, unusual formation, (27) 617; (38) 210.
Hadena-	Wailstorm
hazilinas mates (20) 550	at Rallinger Texas (37) 513.
basilinea, notes, (36) 552.	in Kansas (27) 616.
didyma (oculea), notes, (27) 552.	4 A
fractilinea, notes. (33) 252.	01 August 9, 1917, (99) 911.
spp., notes, (27) 659; (39) 765,	on James Island, S. C., (29) 721.
spp., notes, (27) 659; (39) 765. turbulenta, notes, (33) 58.	at Ballinger, Texas, (37) 513. in Kansas, (27) 616. on James Island, S. C., (29) 721. remarkable, in region of Provins, (40) 512.
Hadronema, species, (39) 657.	Haustorius—
Hadronotise invention on description (29) 249	and hail prevention in France, (35) 318.
Hadronotus javensis n.sp., description, (32) 348.	in Belgium (30) 17.
Hadrotettix trifasciatus, remedies, (36) 55.	in Belgium, (30) 17. prevention, (27) 719.
Hadrotrichum—	ргеченион, (21) 119.
piri n.sp., notes, (27) 750.	Hair—
populi, notes, (37) 550.	and hair colors, notes, (27) 369.
Haemaphysalis—	and hair pigments, physiological character,
	(32) 361.
chordeilis, notes, (33) 354.	and wool, disinfection, (40) 783.
monograph, (35) 263.	and wool, disinfection, (40) 783. availability of nitrogen in, (38) 423.
n.spp., descriptions, (27) 361.	dorle bridgelines of (02) 90
punctata, notes, (28) 82.	dog's, hydrolysis of (26) 22.
nunctata, occurrence in Apenrade, (26) 353.	tankage, availability of nitrogen in, (26) 523, 725.
silacea n.sp., description, (26) 460.	waste, analyses, (28) 523.
spp., notes, (27) 865; (29) 58.	waste, fertilizing value, (33) 125.

Hairlessness-	Hardwoods-Continued.
in newhorn animals (30) 187 700	second-growth, management, (31) 640.
in pigs, (39) 187; (40) 185.	volume tables for, (30) 744.
in pigs, (39) 187; (40) 185. Hairy root, notes, (31) 449. Hairy vetch, see Vetch.	Hares—
Hairy Vetch, see Vetch.	Belgian, raising, (27) 374.
Hakuunboku seed, oil of, (37) 109. Halla wavaria, notes, (30) 53.	destructive to trees in western Canada, (37) 758.
Halibut—	Hariali grass, eradication, (29) 592. Haricot beans—
creatinin content, (31) 760.	hydrocyanic acid in, (33) 866.
muscle, lysin content, (31) 559.	stachyose in. (28) 7d1.
shipping long distances, (35) 162.	Harlequin—
Halictoxenus, British, synopsis, (39) 664.	beetle, notes, (28) 250.
Halictus spp., bionomics, (35) 468. Halids, method for titration, (38) 204.	cabbage bug—
Halisidota—	destruction by vegetable parasites, (28) 354. notes, (26) 147; (27) 53; (28) 752; (33) 58, 746; (34) 451; (35) 255; (38) 653. studies, (39) 657.
carvae, studies, (38) 464.	(34) 451: (35) 255: (38) 632
caryae, studies, (38) 464. spp., notes, (39) 761.	studies, (39) 657.
spp. on shade trees, (39) 561.	
Halogens—	Harmolita tritici, see Wheat joint worm.
determination in organic compounds, (34) 806.	Harmologa funniferana, see Spruce bud moth and
effect on action of enzyms, (28) 609. Halophytes—	spruce budworm. Harmonia similis, notes, (33) 58.
physiology, (40) 424.	Harmostes spp. in United States, (38) 764.
franspiration in, (27) 522.	Harness wounds, treatment, (39) 85.
Halos—	Harpalus sp., notes, (32) 556.
notes, (32) 25, 210, 810; (34) 614; (37) 807; (38) 511.	Harpiphorus spp., notes, (26) 147.
observations, (34) 413.	Harrisina sp., notes, (26) 452.
relation to precipitation, (35) 115. relation to weather, (34) 207; (39) 511.	Harrow, weeder, for dry farming, (26) 95.
Haltica—see also Altica and Flea-beetle.	Harrows, care and repair. (39) 292. Hartigia abdominalis, investigations, (29) 260.
ampelonhaga in France (30) 458	Hartigiella laricis, notes, (34) 849.
ampelophaga in France, (30) 458. bimarginata, notes, (29) 252.	Harvest.
Carinata, notes, (26) 755; (55) 656.	hands, city volunteer, (40) 389.
chalybea, see Grape flea-beetle.	mite, notes, (33) 354.
evicta, notes, (32) 556.	Harvester ant, notes, (29) 453.
foliacea, notes, (33) 746.	Harvesters, grain, motor drawn and operated, (31)
foliacea, outbreak, (32) 656. jamaicensis, life history, (38) 864.	Harvesting—
pagana injurious to strawberries, (30) 758.	and planting dates, (40) 209.
probata, life history and habits, (36) 859.	implements, care and repair, (39) 292.
probata, life history and habits, (36) 859. spp., notes, (29) 761. Halticini attacking Cruciferae in central Europe.	implements, care and repair, (39) 292. machinery, fire safeguards for, (39) 393.
Halticini attacking Cruciferae in central Europe.	machinery for corn, (39) 794. Harziella castaneae, studies, (40) 851.
(30) 160. Halticorcus platyceri, notes, (39) 557.	Hasztilegia tricolor notes (35) 824
Halticus citri—	Hat making, notes (28) 694
in Marvland, (38) 154.	Hasstilesia tricolor, notes. (35) 684. Hat making, notes (28) 694. Hatch, W. H., dedication of memorial to, (34) 8.
notes, (28) 854. Ham beetle, red-legged, notes, (28) 161.	maunig-
Ham beetle, red-legged, notes, (28) 161.	animal v. mechanical power for, (35) 292.
Hamburger steak, bacteriological analyses, (31) 854.	wagon and motor, cost, (40) 93. Haustoria, purpose of, (34) 627.
Hampden County Improvement League of Massa- chusetts, (30) 192.	Hawaii—
Hamper, Long Island home, (30) 295.	College, notes, (27) 397; (32) 395; (36) 295, 694;
Hampton Institute, notes, (35) 197; (40) 99.	(37) 196; (39) 95.
Hams—	Federal Station, notes, (34) 495; (40) 695.
euring, (27) 279, 763, 875; (28) 860. euring and smoking, (28) 466.	index to publications, (27) 599.
curing in Prague, (29) 573.	notes, (26) 194; (28) 494, 797; (30) 600; (31)
curing on the farm, (30) 316, 373.	notes, (26) 194; (28) 494, 797; (30) 600; (31) 795; (33) 699; (35) 397.
preparation, (26) 599.	report, (27) 196; (29) 299; (30) 899; (32) 796;
preservation, (29) 312.	(35) 595; (37) 195; (38) 899. work of, (38) 604.
Westphalian, preparation, (27) 363. Hangul, hybridization experiments, (29) 171.	Sugar Planters' Station—
Hanoverian Veterinary High School, notes, (29) 597.	index to bulletins, (38) 497.
Hapalophragmium ponderosum, notes, (38) 848.	notes, (29) 97; (32) 694; (33) 99; (37) 497; (39)
Haplogonatopus americanus, studies, (40) 265.	500.
Haplographium manihoticola n.sp., description,	report, (38) 796. Hawaiian bird reservation, notes, (27) 549.
(37) 252. Haplopacha puncti-fascia, notes, (26) 348.	Hawk, broad-winged, monograph, (26) 245.
Haplosporella crypta n.sp. on Hevea, (39) 452.	Hawk, western red-tailed, feeding habits, (30) 654.
Haplothrips—	Hawkbit, description, (35) 642.
graminis n.sp., description, (27) 454.	Hawks—
n.sp., description, (37) 258. Hardback grubs, parasites of, (40) 265.	notes, (27) 355. of Canadian Prairie Provinces, (40) 255.
Hardpan—	of France, book, (26) 452.
formation, (27) 416.	Hawkweed, description, (35) 642.
in Norway soils, (26) 620.	Hawthorn—
Hardwood—	aphis, injurious to apples, (26) 247.
destructive distillation, (27) 745; (32) 48; (36) 844; (38) 808.	rust, notes, (26) 52. sawily leaf miner, studies, (34) 456, 657.
distillation on Pacific coast, (33) 615.	sawfly, notes, (30) 657.
distillation products, marketing, (29) 544.	seeds, after-ripening, (28) 226; (29) 134.
distillation, temperature control in, (34) 48.	Hawthorns—
forests, northern, (34) 152.	of upper South Carolina, (36) 140. variability and hybridization in, (36) 630.
resistance to creosote, (38) 892. supply of New South Wales, (28) 51.	Hay-see also specific kinds.
Hardwoods-	Hay—see also specific kinds. Alpine, of Lanzo, analyses, (26) 72.
clearing out, (40) 842. management in eastern France, (29) 842.	analyses, (26) 45; (37) 236. and fresh grass, comparative feeding value,
management in eastern France, (29) 842.	and fresh grass, comparative leeding value, (35) 372.
of central Europe, manual, (31) 538. second-growth, in Connecticut, (27) 243.	and grain elevator, description, (30) 690.

Hay—Continued. and pasture region east of Rockies, climatic features, (40) 117. as affected by— long storage, (32) 363. precipitation and temperature, (28) 41. time of cutting, (27) 234.	Hay—Continued. phosphates for, (39) 520. production in Vermont, (29) 736. production, studies, (39) 134. racks, construction, (28) 386. rotation experiments, (38) 133. spontaneous combustion, (37) 788. spontaneous heating of, (26) 767.
as carrier of foot-and-mouth disease, (33) 179. as human food, (34) 256. calculator, (33) 431. caps, (37) 699; (39) 687.	stackers, (40) 788. tedder and rake combination, description, (27)
changes in during storage, (30) 525. composition, (28) 463. composition as affected by— fertilization and cultivation, (28) 633 fertilizers, (27) 35. rain and dew, (26) 235. time of cutting, (28) 634. composition, factors affecting, (30) 334. consumption, bulk of manure produced by, (40) 126. cost of production, (33) 831; (35) 691; (37) 191; (40) 292.	190. time of cutting, (39) 633. tonnage tables, (33) 228. treatise, (28) 829. varieties, (29) 228. wild, analyses, (33) 469. yield as affected by— ground water level, (29) 531. time of cutting, (28) 634. yield, estimating, (20) 434. yields in Australia, (38) 133. yields in Chester Co., Pennsylvania, (39) 621. Zellers' table for, (33) 831.
critical period of growing season, (39) 811. crops— following wheat, fertilizer experiments, (39)	dense, of June 10-11, 1912, (28) 315. effect on evaporation, (20) 721.
540. for Texas, (37) 827. production in New York, (39) 532.	of July and August, 1916, (36) 419. of May, 1914, (32) 25. over southwestern United States, (36) 19.
seeding, (38) 33. culture— experiments, (26) 329, 422; (29) 138, 427, 736;	relation to atmospheric humidity, (29) 120. Hazel blight, treatment, (37) 755. Hazelnuts—
(33) 830. in Philippines, (30) 230. in the South, (33) 332. on a small holding, (30) 90.	culture in Mossina, (33) 540. culture in various countries, (36) 142. forcing experiments, (28) 435. gratting, (31) 443. insects affecting, (26) 246.
on granitic soils, (32) 126. on moor soils, (39) 437. cured in various ways, digestibility, (34) 371.	microscopic identification, (28) 565. notes, (35) 145. varieties, (28) 238; (30) 742; (37) 143. vield and cultural value, (26) 337.
curing, (26) 235. curing— and harvesting, (33) 38.	"Head grit" in lambs, (34) 383.
devices, (30) 191. in wet weather, (37) 180. on trucks, (39) 440.	Headache— powders, studies, (27) 365. tablets, methods of analysis, (27) 499.
damaged by rain, composition, (27) 170. digestibility, (28) 363, 463; (32) 167, 363. effect on milk and butter, (34) 570.	Headgates, designs for, (30) 85, 287. Health— administration, cooperative, in small towns,
ether and chloroform extracts of (28) 69	(32) 254. as affected by saccharin, (26) 257. biscuits, examination, (30) 664.
ether extract of, (28) 108. fall sowing, (33) 98. fall-sown, (34) 95. feeding value, (28) 574. former in the control of the co	certificates, interstate recognition of, (34) 185. public, see Public health. Heart muscle as beriberi preventive, (28) 761; (31)
fermenting power, (31) 413. fertilizer experiments, (26) 31, 422, 535, 629, 630, 725; (27) 532; (28) 121, 325, 735; (29) 228, 427,	762. Heartwood borer, notes, (28) 156. Heat—see also Temperature.
fermenting power, (31) 413. fertilizer experiments, (26) 31, 422, 535, 629, 630, 725; (27) 532; (28) 121, 325, 735; (29) 228, 427, 517, 530, 631, 728; (30) 133, 134, 428, 519, 626, 632; (31) 822; (33) 330; (34) 22, 131, 294; (35) 430, 520; (40) 134.	and disinfectants, combined action on soils, (31) 620. center of rabbits' brain, puncturing, (29) 479.
fever—relation to agmantin, (40) 608. toxins and serum, (32) 79. flour, analyses, (34) 164. from an "alkali flot," analyses, (29) 270.	conductivity of soils, (27) 215. destruction of lice and nits by, (38) 859. development by plants, (31) 323. effect on—
grain, production, (36) 436.	availability of phosphate rock, (31) 823. cane sugar dissolved in milk, (34) 164. catalytic power of soils, (28) 118.
harvesting with sweep rake, (38) 88. heating during curing, (35) 312. irrigation experiments, (29) 631. making, (27) 599; (38) 299; (39) 231, 794.	concentration of soil solution, (37) 719. creaming of milk, (36) 674. emulsin, (20) 310.
making, (27) 599; (33) 299; (33) 231, 794. making, cost data, (38) 793. making machinery in England, (38) 190. market, notes, (28) 41.	germination of seeds, (27) 220, 243. gluten, (26) 866. habits of beans, (30) 343. insect larvae, (23) 752.
marsh, digestibility, (32) 363.	insect larvae, (28) 752. insects, (27) 856. lipoids in foods, (29) 365.
meal, preparation and use, (36) 367. measuring for feed, (39) 834. measuring in stacks, (29) 532; (33) 831; (36) 227.	mineral constituents of soils, (31) 25. nutritive value of food, (37) 467. nutritive value of milk and its products,
microflora as affected by temperature, (33) 467. mixed— analyses, (28) 169.	(34) 368. peptic and tryptic proteolysis, (31) 107. peroxydiastase of wheat, (26) 866.
cost of production, (34) 137. energy value, (33) 72. mixtures, tests, (38) 830.	protozoa, (31) 26. rinderpest-immune bodies, (32) 476. sap, (31) 522, 627.
moor, causing excessive licking in cattle, (32) 567. moor, digestibility, (32) 363.	seeds and young plants, (33) 629. soil phosphorus, (27) 122. soil protected (36) 422.
native, analyses, (29) 370; (34) 467. native, digestibility, (32) 770.	soils, (26) 618; (30) 419; (32) 721; (34) 722; (35) 20, 22, 138, 515, 722.

Heat—Continued.	Heifers-Continued.
effect on—continued. specificity of precipitins, (26) 482.	dairy, wintering, (39) 783. effect of early calving, (40) 577.
starch grains, (29) 409.	factors affecting development, (31) 371; (33) 274;
trees, (31) 345; (32) 144. woody plants, (31) 343.	(35) 871; (38) 682; (40) 877. feeding experiments, (27) 871; (28) 264, 873; (32)
evolution by wounded plants, (27) 830.	_ 863; (36) 873.
from the stars, (32) 810.	French Canadian, cost of raising, (40) 775.
insecticidal value, (28) 157; (34) 253. leaf injury or loss due to, (35) 243.	open shed, v. stable for, (38) 680. pasturing experiments, (40) 471.
liberation in plant respiration, (27) 28.	raising, (36) 572.
and body surface, relation, (36) 64.	selection for milk production, (38) 74. virgin, lactation in, (28) 372.
by leaves, (28) 630.	winter teeding, (39) 482.
in physiological, bacteriological, or ferment actions, (26) 872.	winter rations for, (38) 681. Heilipus—
of the body, (32) 664; (40) 868. radiation, nocturnal, (32) 419.	bonelli, notes, (30) 454.
regulation as affected by sugar injections, (32)	bonelli, notes, (30) 454. lauri, notes, (28) 357; (39) 264.
859.	Helenium tenuifolium, toxicity, (38) 883; (40) 778, Heleniums, vaneties at Wisley, (33) 536.
regulation in man, (30) 264. relation to summer diarrhea of infants, (34) 462.	Hellantni, yields, (30) 134.
solar, seasonal variations in, (34) 415.	Helianthus— annuus, forms of, (30) 140.
transmission through building materials, (31)	annuus, water relations, (40) 427.
688; (38) 87, 492. use against—	culture experiments, (29) 331. inheritance studies, (40) 131.
bee diseases, (31) 255	spp., betains in, (27) 203.
insects, (34) 50, 653. mill insects, (30) 155	strumosus, culture experiments, (30) 632. tuberosus, varieties, (40) 827.
Heath-	tubers as a source of alcohol, (27) 616.
deformation on the seashore, (32) 825,	varieties at Wisley, (33) 536. Helicella itala, insect enemy, (39) 766.
grass, purple, ecology of, (33) 527. hens on Marthas Vincyard, (30) 248. reclamation in Netherlands, (31) 691.	Helicobasidium monipa, notes, (28) 241.
Heather, burning for grouse and sheep, (40) 667.	Helicobia nelicis, notes, (33) 749.
Heating—	Helicomyces sphoeropsidis, notes, (36) 251. Helicosporium nymphaearum n.sp., description,
and ventilation, treatise, (29) 390. by electricity, (30) 862; (32) 65; (33) 67, 461; (37)	(36) 752.
387.	Helinus ovatus, analyses and digestibility, (27) 871;(32) 167.
modern practice in, (30) 893; (31) 387.	Heliophila—
of buildings, address on, (28) 213. paper on, (31) 189.	albilinea, sec Army worm, wheat-head. diffusa, notes, (26) 59.
system, domestic, wet coal for, (38) 87.	spp. in southern Texas, (34) 453.
system, hot water, forcing circulation in, (31)	unipuncta, see Army worm. Heliothis obsoleta, see Cotton bollworm.
system, hot water, piping for, (30) 893.	Heliothrips—
systems for farm houses, (36) 491, 590; (38) 492. Hecalus lineatus, notes, (27) 559.	fasciatus— control, (39) 256.
Hectopsylla psittaci, notes, (28) 753.	internal parasite of, (26) 858.
Hedemarken Experiment Station, report, (30) 134.	on olive, (38) 157. studies, (28) 249.
formation of anthocyanin in, (30) 432.	femoralis, studies, (36) 153.
helix, intumescences in, (26) 545. Hedge—	haemorrhoidalis, see Greenhouse thrips. n.sp., description, (37) 258.
clippings as source of potash, (37) 817	phaseoli n.sp., description, (27) 757.
plants, tests, (37) 241. Hedgehog—	rubrocinctus, notes, (27) 857; (28) 250 ;(35) 254, 357; (37) 357, 461; (40) 856.
male generative cycle in, (27) 770.	rubrocinctus, studies, (28) 353,
morphology of blood, (28) 777.	sp., affecting tea, (34) 652. spp., in Trinidad, (40) 649.
Hedges— artificial, tests, (30) 134.	Heliotropism—
culture, (32) 839.	as affected by salts, (34) 333.
planting, (33) 291, 442. Hedrobracon hebetor, notes (27) 561.	in animals and plants, identity, (33) 129. negative, in Puccinia rhamni, (33) 330.
Hedychium coronarium in Brazil, (39) 638.	Helix humboldtiana, notes, (37) 755.
Hedylus spp., parasitic on fruit flies, (31) 456. Hedysarum—	Hellebore— analyses, (27) 441.
coronarium—	false, stock poisoning by, (39) 787.
as a forage crop, (32) 41. culture experiments, (30) 228, 632.	Hellula undalis, see Cabbage webworm. Helminthiasis, nodular, in cattle, studies, (28) 181,
insects affecting, (26) 147.	Helminthology, notes, (33) 152.
nitrates in, (36) 329. tests, (26) 133.	Helminthosporium— acrothecioides n.sp., description, (40) 155.
humile, analyses, (33) 466.	curvulum n.sp., notes, (37) 148.
Heeria mucronata, analyses and digestibility, (27) 871; (32) 167.	echinulatum, notes, (35) 154. gramineum—
Hegari—	notes, (28) 150; (29) 243; (32) 544; (33) 146.
culture experiments, (39) 434; (40) 433. dwarf, culture in eastern Oregon, (38) 432.	studies, (30) 846.
Heifers—	studies, (30) 340. treatment, (29) 845; (32) 145, 341; (35) 47; (36) 247; (37) 247.
age for breeding, (31) 371. as affected by plane of nutrition, (35) 868.	infection of wheat by, (26) 747. mayaguezense n.sp. on Paspalum, (39) 248.
breeding, development, (40) 369.	n.spp., descriptions, (27) 848.
care and management, (34) 471.	oryzae, notes, (28) 647. sacchari—
conformation in relation to future production, (39) 782.	n.sp., description, (30) 650.
cost of raising, (33) 765; (34) 470; (36) 76, 872; (38) 176; (39) 782.	n ofes, (34) 49; (40) 157. studies, (38) 851.
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	20.
Helminthosporium—Continued.	Hemiptera—
sp. on coconut, (38) 758.	American, bibliography, (31) 454. bloodsucking, of Central America, (36) 356.
sp. on coconut, (38) 758. sp. on corn, (34) 844. spp., notes, (27) 45; (29) 645.	in America north of Mexico, (36) 550; (38) 763.
spp., treatment, (31) 147, 446.	in Florida, (34) 550.
teres, ascigerous stage, (33) 345.	intracellular symbiosis, (27) 861. palearctic, catalogue, (30) 455.
teres, longevity, (39) 540. teres, studies, (29) 750.	palearctic, catalogue, (30) 455.
theohromen rep. description (37) 755	polymorphism in, (27) 655. Hemiptera-Heteroptera—
theobromae n.sp., description, (37) 755. turcicum, studies, (34) 844.	of Maine, (33) 59.
Helminths—	of Maine, (33) 59. of New England, (40) 260.
bactericidal properties, (30) 279.	Hemipterological launas of Europe and North
dissemination by house flies, (36) 657.	America, (27) 655.
in cattle and goats in Philippines, (37) 277.	Hemisarcoptes malus— notes, (27) 861.
parasitic in cattle, (27) 886. parasitic in equines, (27) 583, 888.	relation to control of oyster-shell scale, (39) 162.
parasitic, photomicrographs of, (29) 478. pathogenic rôle of, (31) 81. toxic product, studies, (40) 84.	Hemispherical scale, notes, (28) 854; (34) 652.
pathogenic rôle of, (31) 81.	Hemiteles—
Helochara communis, notes, (27) 859.	crassicornis, notes, (33) 302.
Helodrilus—	crassicornis, notes, (33) 862. fulvipes, notes, (38) 768. n.sp., notes, (35) 465. sp., notes, (27) 562; (29) 456.
parvus as a host of fowl nematode, (30) 485.	sp., notes, (27) 562; (29) 456.
welchi n.sp., description, (40) 267.	Hemithernae, notes, (21) 802.
Helopeltis—	Hemlock—
antonii and H. theivora, notes, (37) 55.	bark, use for paper specialties, (36) 417. borer, spotted, notes, (33) 252.
relation to cacao ant, (39) 156. sp., notes, (26) 354; (33) 153. spp., studies, (30) 854; (38) 259.	disease, new, (39) 153.
sp., notes, (20) 304, (33) 103, spn., studies, (30) 854; (38) 259.	diseases in southern Appalachians, (31) 646.
theivora, notes, (31) 850.	eastern, studies, (32) 542.
Helorus sp., notes, (31) 758.	importance and range, (28) 440.
Helotidae, catalogue, (26) 560.	Japanese, scale insects affecting, (26) 248. poison, notes, (30) 145.
Helotium aeruginescens, notes, (29) 649. Hemaenasoidea oculata n. g. and n.sp., description,	pulpwood from, (27) 541.
(36) 259.	seedlings, root rot of, (34) 546.
Hemagglutination, review and bibliography, (26)	timber nailed joints, tests, (38) 892. unit stresses for, (36) 91.
481.	water eradication (27) 733
Hemagglutinin—	water, eradication, (27) 733. water, toxicity, (29) 111.
in blood of transfused rabbits, (39) 584.	western—
Euphorbia, (30) 503. human milk, (29) 175.	analyses, (38) 309.
plants, (26) 431.	Echinodontium-infected, thinning, (40) 842.
Hemagglutinins—	heart rot, (40) 159. mechanical properties, (28) 544.
of plant origin, (26) 676.	notes, (27) 846.
of plant origin, (26) 676. vegetable, notes, (30) 204. vegetable, studies, (31) 773.	notes, (27) 846. stimulating seed production in, (38) 644.
Vegetable, studies, (31) 773.	Hemocyanin, hydrolysis ol, (20) 22.
Hemaglobin, properties of, (30) 201. Hematic phenomena in anaphylaxis, (40) 880.	Hemocytometer, use, (36) 676. Hemoglobin—
Hematology—	and chlorophyll, relation, (32) 711.
of domestic animals, status, (31) 286.	detection in urine, (26) 114.
of normal and cholera infected hogs, (32) 582.	determination, (29) 408. ox, hydrolysis, (28) 607.
textbook, (38) 481. Hematopinus tuberculatus, notes, (28) 158.	solution, proagglutinoid-like, reaction (40) 779.
Hematoporphyrin in ox muscle, (36) 109.	Hemoglobinemia—
Hematoxins, bacterial, notes, (26) 676; (32) 78.	of cattle in Sweden, (40) 585. of horses, notes, (26) 683.
Hematuria-	of horses, notes, (26) 683.
bovine, in British Columbia, (27) 576.	paroxysmal, notes, (26) 581.
bovine, symptoms and pathology, (38) 486.	Hemoglobinuria— of cattle, immunization, (26) 285.
cystic, in cattle, (30) 383.	cattle in Chile, (33) 774.
in cattle, investigations, (26) 586, 881. notes, (31) 176.	of cattle, immunization, (26) 285. cattle in Chile, (33) 774. cattle in Italy, (40) 782.
studies, (36) 180.	cattle, notes and treatment, (21) 378.
Hemerobius—	horses, treatment, (26) 588. Hemolymph nodes of sheep, (32) 82.
gossypli, studies, (29) 355. pacificus, notes, (28) 457; (34) 357. pacificus, parasitic on red spider, (32) 157.	Hemolysin production, relation to culture medium,
parificus, notes, (28) 457; (34) 307.	(26) 481. Hemolysins—
sp. destructive to purple scale, (26) 757.	Hemolysins— and protoclysing relation (40) 286
Hemerocampa—	and proteolysins, relation, (40) 286.
definita, notes, (30) 655. leucostigma, see Tussock moth, white-marked.	production, (29) 581. production by streptococci, (28) 179; (33) 83.
leucostigma, see Tussock moth, white-marked.	serum, in goats, studies, (27) 476.
Hemerophila pariana, notes, (38) 60; (40) 648.	Hemolytic—
Hemicellulose— humification, (38) 26.	complement, preservation, (31) 578. reaction, effect of chemicals on, (36) 878.
in roots, rhizomes, and tubers, (30) 130.	Hemorobius pacificus, notes, (32) 651.
Hemichionaspis—	Hemorrhage, intractable, treatment, (37) 177.
asphidistrae, see Fern scale.	Hemorrhagic septicemia, see Septicemia.
minor, notes, (26) 247; (27) 54; (28) 159; (29) 359, 654; (33) 59; (40) 453.	Hemp— and flax fiber, microscopic differences, (26) 828.
Hemichroini, notes, (40) 761.	as affected by lithium salts, (28) 526.
Hemileia vastatrix—	as green manure, (26) 631; (27) 337.
control, (40) 751.	as weed eradicator and money crop, (28) 834.
effect on coffee culture in Java, (27) 153.	Asiatic v. Italian, (31) 526. binder twine from, (27) 534.
notes, (29) 851; (32) 548; (34) 540, 744, 848; (36) 347, 746; (37) 349, 453, 551; (39) 152, 857.	blooming of, (35) 640; (36) 523.
treatment, (28) 148; (34) 545; (35) 45, 353; (38)	broom rape on, (39) 147.
647.	change of sex in, (36) 736.
Hemileuca oliviae— larvae, poisonous spines, (39) 561.	Chinese, fertilizer experiments, (33) 432. common, geographical distribution, (26) 335.
studies, (35) 259; (36) 55.	cost of production. (35) 691.
Hemileucidae, monograph, (32) 850.	cost of production, (35) 691. culture, (31) 524; (36) 437; (39) 837;

Hemp—Continued.	Hendersonia—Continued.
eulture— and manufacture, (30) 229, 831.	opuntiae, studies. (27) 352. rubi, notes, (27) 448; (34) 55, 241.
experiments, (34) 229; (37) 227; (38) 336, 634; (40) 231.	sacchari n.g. and n.sp., description, (30) 655. sacchari, notes, (34) 49.
in Antigua, (38) 336. Arizona, (32) 226. France, (37) 830.	sp. on mangosteen, (35) 153.
France, (37) 830.	Henequen— binder twine from, (27) 531.
Italy, (30) 229, 232. Jamaica, (32) 229.	chemistry of, (27) 717.
Wisconsin, (35) 528; (36) 828. on moorland, (30) 229.	fiber, strength of (29) 313. Henna, studies, (35) 449.
on moorland, (30) 229. Deccan, production in Africa, (40) 238.	Henrich, George, biographical notes, (29) 121. Hens—see al o Chickens, Fowls, and Poultry.
destruction of Canada thistles and quack grass	abnormality of oxiduet in, (33: 47)
by, (27) 31. effect on following crop, (40) 734.	artificial insemination in, (31) 370. artificial light for, (34) 669, 770; (36) 374. average productive life of, (32) 73.
fertilizer experiments. (26) 129; (30) 232; (31) 133;	average productive life of, (32) 73.
(35) 523; (38) 634. fiber, strength of, (29) 313. fiber, studies, (38) 646.	correlation between form and function, (28) 73. cost of keeping, (33) 76.
neo-beetle biology and remedies (30) 255	crowing, (34) 268. determination of age, (32) 470.
floral anomalies in, (26) 432; (27) 827. fungus disease of, (32) 146.	dwarf egg production by, (36; 73. early and late hatched, (39) 275, 780.
hurds as paper-making material, (36) 17.	egg production, see Egg production.
Indian, rubber from, (30) 614.	external indications of eag production, (35) 480.
industry— in India, (37) 233.	feed requirements, (33) 793. feeding, (33) 98.
in India, (37) 233. in New Zealand, (39) 638. in Wisconsin, (39) 638.	feeding experiments (27) 773: (28) 773: (20) 672:
wastes, fertilizing value, (37) 219.	(30) 175; (31) 270, 473; (32) 571; (33) 572; (34) 175, 177, 179, 268; (35) 171, 274, 479, 569, 773; (36) 71, 172, 373, 570, 769, 869; (37) 70, 268, 271,
insects affecting, (31) 332; (33) 54. Italian, production and manufacture, (33) 530.	(36) 71, 172, 373, 570, 769, 869; (37) 70, 268, 271, 692, 768, 774, 871; (38) 373.
Manila—	feeding for egg production, (28) 773; (31) 569
culture and grading, (32) 828. culture in Philippines, (30) 230.	(33) 672. fish meal for, (35) 769.
standard grades, (36) 634.	forced molting of, (32) 469.
monograph, (31) 332. notes, (29) 330.	histology of oviduct, (28) 575. in city back yards, (39) 176.
old treatise on, (40) 628. pulp, fertilizing value, (40) 629.	individual characteristics, (34) 175.
purple-leaved mutation, (28) 834.	laying—see also Egg production. cottonseed meal for, (39) 480.
Queensland, culture in the South, (34) 35. retting, review of literature, (38) 715.	feeding experiments, (39) 74, 176, 275, 376, 377, 577, 780; (40) 76, 670, 773. loss of pigment, (40) 671.
seed—	loss of pigment, (40) 671.
amino acid in, (33) 665. cake, analyses, (36) 571.	method for determining, (40) 571. nesting habits, (40) 77.
cake, analyses, (36) 571. cake, effect on milk and butter, (34) 471. distribution of nitrogen in, (36) 269.	range v. confinement for, (39) 275, 277, 376, 480.
edestin, nydrofysis of, (20) 22.	records of different breeds, (29) 276; (30) 675.
for chicks, (34) 871. germination, (33) 133.	records of different breeds, (29) 276; (30) 675. selection, (38) 775; (39) 74, 268, 480, 675. vegetable v. animal feeds for, (39) 176.
germination as anected by green manures,	yellow color as basis for culling, (39) 378. Leghorn, broodiness in, (29) 275.
(33) 331. germination energy of, (29) 538.	Leghorn, remarkable record of, (28) 270.
germination energy of, (29) 538. germination tests, (29) 740. meal, analyses, (33) 170. oil, detection, (29) 613. viability as affected by age, (31) 624.	molting, care, (33) 698. new high egg record, (26) 669.
oil, detection, (29) 613.	range v. confinement for, (34) 669; (35) 171, 377
sex anomalies in, (29) 27.	range v. confinement for, (34) 669; (35) 171, 377 restricted rations for, (36) 72. selection, (30) 270, 471; (37) 599.
sex inequality in, (31) 526. sisal—	selection for production, (33) 173; (37) 573, 871.
analyses and valuation, (30) 138.	serum proteins of, (32) 861. sitting, carbon dioxid under, (31) 172.
culture experiments, (30) 632. date of cutting test, (27) 234. disease of, (33) 850, 851.	sitting, selection and care, (39) 781. synthesis of lecthin in, (28) 269.
disease of, (33) 850, 851.	v. pullets for egg production, (38) 677. wheat in ration, effects, (39) 74.
standardization, (30) 831. sunn—	wheat in ration, enects, (59) 74. winter egg production in, (34) 470. winter rations, (36) 373.
as green manure, (27) 637; (36) 232, 624, 737; (38) 220.	winter rations, (36) 373. <u>Hepatic cirrhosis in cattle, cause, (27) 79.</u>
composition and use, (27) 727.	Hepatitis—
culture and improvement, (28) 633. culture experiments, (28) 633; (37) 824; (38)	and nephritis of the hen, (39) 190. in pigs, (33) 774.
336.	Hepialus—
description, (30) 828. notes, (27) 36.	humuli, notes, (30) 249. hyperboreus, notes, (27) 452.
utilization of hydrocyanic acid by, (31) 730. varietics, (30) 434; (31) 133; (38) 634.	thule, hymenopterus parasite of, (27) 452. Heptadecylic acid, studies, (30) 110.
water requirement, (32) 220.	Heptamerocera lonchaeae n.sp., description, (28)
Hen flea, notes, (32) 757; (33) 354; (35) 58; (36) 554. Hen louse, see Menopon pallidum.	162. Heptane—
Henbane—	sterilization of soils by, (32) 816. use, (31) 744.
breeding experiments, (30) 631. improvement by selection, (32) 143.	Heptasmicra brasiliensis n.sp., description, (39) 566
Hendersonia— coffeae, notes, (38) 51.	Herbaceous— borders, treatise, (29) 840.
diplodioides, studies, (33) 545. dodartiae n.sp., description, (35) 844.	borders, treatise, (29) 840. perennials, rest period in, (33) 223.
eucalypticols n.sp., description, (35) 544.	Herbicides, preparation and use, (31) 635. Herbs—
eucalypticola n.sp., description, (27) 548. herpotricha, notes, (32) 843. herpotrichoides, notes, (28) 445.	assimilation and chlorophyll content of leaves, (28) 728.
wer bear tenerated trees, (we) and	fact the

```
redity—Continued.
in guinea pigs, (27) 573; (34) 464; (35) 77
guinea pigs and rats, (39) 977.
honeybees, (34) 159.
Hordeum distichum mutans, (29) 7
horses, (32) 767.
horses, treatise, (30) 269.
Japanese flowers, (33) 242.
man, (27) 70; (29) 769.
melons, (32) 140.
Mercurnilis annua, (36) 522.
mice, (25) 531.
  Herbs-Continued.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Heredity-
                                         -bs—Continued.
culture, (26) 993.
culture, (26) 993.
culture experiments, (26) 287.
culture in California, (26) 47.
drying, (38) 114.
growing and collecting, (36) 743.
of Southern Circle of Central Provinces, (32)
                                                              144.
  phloem and bark diseases of, (34) 442.
freatise, (26) 239.
Herd book, origin and use, (27) 672.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Meroturnils annua, (36) 522.
mice, (28) 531.
microorganisms, (30) 329.
morning-glories, (38) 750.
Nicotiana, (29) 216, 321; (30) 826; (36) 629.
Nicotiana hybrids, (28) 530.
nitrate ferment, (38) 726.
onts, (31) 434; (37) 738; (40) 239, 438, 528, 629.
oats and what, (29) 532.
Œnothera (32) 628; (33) 630; (34) 732; (7) 724; (39) 826; (40) 132.
Orthoptera, (31) 58, 272; (40) 367.
Oxalis, (34) 823.
peas, (38) 226; (40) 147, 225.
pepper, (28) 589; (32) 536.
pheasant hybrids, (30) 266.
pheasants, (28) 578; (30) 564.
pigeons, (28) 270; (28) 270; (33) 371; (40) 275.
pigs, (38) 675.
plant hybrids, (29) 326.
plants, (27) 733, 740; (28) 739, 740; (30) 328,
plants, (27) 733, 740; (28) 739, 740; (30) 328,
plants, (27) 733, 740; (28) 739, 740; (30) 328,
Hereditary—
infection in cattle ticks (30) 460.
material in germ cells, (32) 697.
                               reditary—
infection in cattle ticks (30) 460.
material in germ cells, (32) 697.
redity—
alternative, significance, (29) 67.
ancestral law of, (26) 878.
and development, treatise, (30) 561.
eugenics, treatise, (28) 271.
mutation as cell phenomena, (34) 823.
sex, manual, (30) 767.
vigor, treatise, (35) 371.
behavior of unit-like series in, (28) 570, 571.
bibliography, (26) 470; (27) 175; (28) 370; (32) 860; (33) 168, 537; (34) 370.
calculating possibilities in, (28) 571.
carriers of, (29) 67.
chromosome theory, (34) 527; (35) 272; (38) 525.
control, (20) 672.
correlation coefficient, (27) 175, 176.
correlation tables, (27) 870.
crossing-over in, (35) 866.
definition, (27) 869.
Delboeul's law, (27) 175.
discontinuity in, (27) 369.
dynamic, theory of, (26) 169.
factorial hypothesis, (38) 65.
facts and principles, (39) 671.
germ plasm theory (27) 468.
in alcoholized fowls, (39) 177.
Amaranthus retroflexus, (32) 726.
animal breeding, (29) 570.
apple hybrids, (27) 843.
apples, (28) 639.
beans, (29) 835; (40) 825, 826.
beans, (29) 836.
beans, velvet-Lyon, (33) 34; (34) 431.
bees, (29) 860.
beets, (29) 880.
campanula carpatica, (39) 123.
canaries, (30) 564.
campanula carpatica, (39) 123.
canaries, (30) 564.
cannas, (33) 644.
Capsicum annuum, (35) 130.
carnotions, (28) 487; (39) 734.
cattle, (28) 467, 572; (30) 869; (37) 66; (40)
73, 367.
cattle, blue-gray, (36) 168.
cattle-zebu hybrid, (28) 68.
careals, (30) 334.
chickens and ducks, (30) 773.
Cichorium intybus, (40) 225, 427.
clover, (38) 434.
Colous, (37) 27.
corn, (27) 533, 737; (28) 534, 634; (29) 34, 333; (31) 331; (32) 536; (34) 431; (39) 825; (40)
436, 826.
corn and pepper, (34) 144.
corn leaves, (28) 231.
cotton, (27) 837; (28) 634; (30) 337; (33) 132, 834; (34) 227.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              pigs, (38) 675.
plant hybrids. (29) 320.
plants, (27) 738, 740; (28) 739, 740; (30) 328, 329, 330, 331, 342, 343, 432, 732; (36) 331, 521, 838; (39) 746, 747.
plants grown in salt water, (36) 27.
plants, relation to dimorphic leaves, (26) 128.
plants, treatise, (26) 325.
pomace fly, (32) 555.
potutoes, (27) 500; (28) 632; (30) 338; (33) 233.
poultry, (30) 71, 374; (32) 571, 671; (37) 772; (40) 177.
primula and Pisum, (38) 822.
Primula suensis, (36) 629.
Primula sinensis, (36) 629.
Prunus hybrids, (28) 540.
rabbits, (34) 370, 466, 864.
red clover, (31) 330.
rice (33) 234; (40) 631, 632.
Rotundifolis grapes, (31) 637; (35) 36.
sheep, (28) 570; (29) 771; (34) 864.
soy beans, (39) 331.
stocks, (20) 433.
sugar beets, (30) 834; (35) 641.
sugar cune, (33) 136; (40) 241.
sunflowers, (32) 831; (37) 543.
sweet corn. (29) 35.
timothy, (35) 232.
tobacco, (27) 239, 535; (29) 336; (30) 29, 530; (38) 238.
tobacco blossom color, (40) 442.
tomato hybrids, (39) 140.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (38) 238.
(38) 238.
tobacco blossom color, (40) 442.
tomato hybrids, (39) 140.
tomatoes, (27) 742; (28) 539; (32) 537; (34) 42,
149; (33) 141, 235.
turnips, (31) 43.
velvet-Lyon bean hybrids, (31) 734.
wheat, (28) 638; (30) 341; (31) 234, 531; (33)
533; (34) 531; (35) 233; (36) 738; (40) 140,
525, 636, 830.
white mice, (34) 370.
yellow dalsy, (32) 726; (36) 522.
Zea hybrids, (37) 538.
influence of assortative mating in, (27) 466.
influence of selection in, (27) 175, 369, 466.
isolation and selection in, (27) 175, 369, 466.
isolation and selection in, (30) 670.
linkage in, (36) 729.
manual, (38) 367.
meaning of "factor" in, (37) 526.
mechanical theory, (39) 574.
Mendelian—
                                                                        436, 526.

corn and pepper, (34) 144.

corn leaves, (28) 231.

cotton, (27) 837; (28) 634; (30) 337; (33) 132,

834; (34) 227.

Datura, (37) 546.

different parts of plants, (36) 27.

dogs, (29) 770.

domestic animals, (29) 665.

ducks and pheasants, (32) 869.

fowls, (32) 172, 767; (34) 177; (35) 867; (39)

781.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mendelian-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mendelian—
and other interpretations of, (28) 271.
dominance in, (27) 275.
factor differences v. reaction system contrasts, (37) 433.
graphic representation, (33) 822.
mechanism of, (33) 869.
studies, (27) 370; (40) 524.
Mendel's law, (27) 467.
milk production factors in, (40) 672.
mosaic, notes, (30) 328.
mutation theory, (27) 528.
                                                                           751. (32) 834. garden peas, (28) 331; (30) 739, garden plants, (32) 538; (34) 146. garlic, (30) 738; (32) 834. goats, (27) 874. (24) 224
                                                                              grapes, (33) 641; (34) 234.
```

```
Heredity—Continued.

notes, (26) 365; (27) 175, 671, 769; (28) 765.
of acquire 1 characters, (26) 365, 578; (28) 768, 877.
acquired characters, treatise, (26) 365.
albinism in cereals, (31) 329.
albinism in corn, (33) 131.
alterations in corn, (34) 31.
anthocyan pigment in rice, (38) 29.
aroma in hops, (39) 234.
aural abnormality in Ayrshire cattle, (33) 878.
awn color in wheat, (33) 83b.
wns in oats, (39) 234.
blastogenic and somatogenic characters, (28) 531.
                                                                                                                                                                                                                                                                                                                                                                        Heredity—Continued.
of size in tobacco, (35) 819.
                                                                                                                                                                                                                                                                                                                                                                                                                    size in tomatoes, (35) 537; (35) 446
                                                                                                                                                                                                                                                                                                                                                                                                                      somatic variation in corn cars, (31) 135.
                                                                                                                                                                                                                                                                                                                                                                                                                   somate variation in corn ears, (31) 135. sorrel color in horses, (3b) 270. spangling in poultry, (3s) 275. spotting in mice, (34) 466. sterlity in rye, (38) 236. sugar and dry matter in mangels, '29) 270. tillering in wheat, (37) 644. tongue color in Jersey cattle, '31) 565. tricolor in guinea pigs, (30) 285, 266. triplet birt is in cattle and sheep, (34 767. tumor in Drosophia, '40) 860. tumor in Drosophia, '40) 860. tumor in grantee, (32, 36°; (40) 875.
                                            581.

blood reactions, (29) 167.

blood-vessel breaking in horses, (30) 673.

blossom-color in beans, (30) 142.

blossom-end rot in tomatoes, (35) 742.

bract teeth in cotton, (38) 532.

bi.: tles in greenhottle fly, (31) 551.

characters in groundsel, (29) 216.

chlorophyll content in cereals, (32) 220.

color, see Color inheritance.

composition in wheat, (2°) 837.

clossab-lity in plants, (37) 432.

defects in horses, (31) 576.

disease resistance in grapes, (36) 587.

disease lesistance in plants, (22) 147.

doubleness in flowers, (29) 311; (30) 631; (34) 237; (34) 123
                                                                                                                                                                                                                                                                                                                                                                                                     tumor in Drosophila, (40) 880.

tumoring in cattle, (32, 35% (40) 873.

tumoring in mammals, (38) 574.

twinning in sheep, (34) 73; (39) 777.

variegation in Causacium, (39) 123.

variegation in Pontago, (48) 731.

varyendosperm in com, (30) 336; (32) 134.

wilt resistance in fl. x, 38, 449.

winter issistance in the at, (29) 695.

wool chitation in sheep, (32) 695.

wool chitation is sheep, (32) 575.

wool chitation is sheep, (33) 575.

are in in kidney beans, (31, 54)

origin of unit characters, (27, 334)

papers on, (28) 584.
                                                                                                                                                                                                                                                                                                                                                                                                       origin 01 unit cintactors, (27. 10. 1) papers on, (28. 1831, pathological, (26.) 162, 163, phy. follogy of, (31. 772), presence and absence theory, (29. 4%) reablem in unimaging, (32.) 75
                                          doubleness in flowers, (29) 31; (30) 631; (34) 237; (34) 123 earw orm resistance in corn, (28) 445. erg production in hens, (34) 74; (38) 876. erg production in hens, (34) 74; (38) 876. erg production in hens, (34) 74; (38) 876. erg production in maize, (35) 564. fasciation in Bunias orientalis, (33) 727. fast production in cows, (32) 369. ferundity in fowls, (28) 576, 577; (33) 471. fecundity in fowls, (28) 576, 577; (33) 471. fecundity in fowls, (28) 576, 577; (33) 471. fecundity in summals, (40) 662. fertility in Southdown sheep, (38) 574. fertility in Southdown sheep, (38) 574. fertility in swine, (31) 400. flower size in Nicotiano, (34) 225. flowering time in peas and rice, (35) 329. fruit color in vegetables, (38) 443. fluingus diseases in plants, (27) 751. germinability in blue grass seeds, (31) 834. germinal peculiarities in plants, (40) 143. fluingus diseases in plants, (40) 143. habit in beans, (31) 41. heterostylism in Primula acquist, (34) 226. high laying qualities in fowls, (29) 472 hoariness in plants, (23) 226. horns in sheep, (27) 468; (28) 267. imperfections in cintens, (27) 500. leaf coloration in Mcha udriun, (32) 33. mammae in pies, (28) 770, 574; (29) 470. (33) 470; (38) 65. milk fut percentage in cows, (31) 372 milk production, (27) 375; (23) 378; (34) 671 milking capacity in cows, (32) 174. multon points in sheep, (39) 417. oil in cotion, (38) 533. pathological conditions, "anted sing" in. (28) 370. pelicated conditions, "anted sing" in. (28) 370. pelicated conditions, "anted sing" in. (28) 370. pelicated conditions, "anted sing" in.
                                                              237; (3+) 123
                                                                                                                                                                                                                                                                                                                                                                                                   presence and absince theory, (20) 4%, problem in immuraty, (32) 75 problems in, (27) 870, pure line theory, (26) 272; (32) 225, relation to evolution and animal breeding, beatise, (26) 161 relation to mitochondrin, (5,4) 628, relative influence of site and dam, (25) 166, review of literature, (29) 272; (27) 388; (29) 3486, rôle of cross-fertiation and s.li-fertilization in, (34) 629.
                                                                                                                                                                                                                                                                                                                                                                                                       rôle of nucleus and cytoplasm 11, 129 ff. sex-limited—
                                                                                                                                                                                                                                                                                                                                                                                                     ser-limited—
in animals, (30) 525.
in Ayrshire cattle, (35) 272.
in poultry, (26) 878; (27) 876.
notes, (27) 769.
ser-linked—
                                                                                                                                                                                                                                                                                                                                                                                                   sect-linked—
in doves, (28) 270.
fowls, (37) 771, 585.
fowls, (37) 771, 585.
poultry, (31) 365; (35) 271.
poultry and pig-ons, (27) 573.
significance of chromosomes in, (29) 321
significance of osmotic membrares in, (28) 667.
scenario, mates (28) 531.
                                                                                                                                                                                                                                                                                                                                                                                                     significance of osmotic membrares in, (25) 667. somatic, notes, (28) 531. studies, (26) 162, 875; (27, 20. theory of factors, (29) 473. treatise, (26) 272, 472; (28) 876; (29) 665; (31) 466. types of reduplication, (25) 876. unit character theory, (25) 768. use of terms "genotype" and "pureline," (26)
                                                              (28) 370.
                                                                                                                                                                                                                                                                                                                                                                             Heringie dodecella, notes, (34) 855.
                                                                                                                                                                                                                                                                                                                                                                            Heritera minor, notes, (81) 240.
Hermannia affinis tenella, analyses and digestibility, (82) 167.
Hermba aedita dammarensis, analyses and digestibility, (27) 871.
                                                 perioarp color in corn. (38) 332 53 .
                                             pericar) color in coin. (38) 332-38. plant dis sas. (31) 541. plant bairs, (32) 426. plumage characters in fowls. (29) 46f. poll character in cattle, (20) 68. production capacity in plants, (33) 522. quantit.aive characters, (30) 427. racing performance in horses, (27) 87f. (36)
                                                                                                                                                                                                                                                                                                                                                                             Hermetia-
                                                                                                                                                                                                                                                                                                                                                                            illucens, distance of flight, (31) 352. spp. notes, (28) 451. Hermit thrush, coecidiosis in, (26) 187. Hernondia sect, oil f. (37) '0'.
                                          671
russet skin in pears, (28) 734, 521
seed characters in corn. (32, 72) 521
seed color in bears. (38) 539, 58ed color in corn., (37) 737, 58ed color in rye, (30) 339, 58l-sterility in mignonette, (29) 136, 58l-sterility in plants, (37) 520; (38) 526, 58misterility in plants, (37) 520; (38) 526, 58m; (27) 370; (34) 546, 58x; (27) 370; (34) 546, 58x; (27) 370; (34) 560, 58x; studies, (29) 460, 58x; studies, (29) 460, 58x; studies, (29) 460, 58x; studies, (29) 460, 58x; studies, (29) 570, 58x; studies, (29) 325; (40) 275, 58x; size in poultry, (32) 399, 572, 58x; in rabbits, (32) 573.
                                                                                                                                                                                                                                                                                                                                                                            Heron, Anthony green, destruction of locusts by, (28) 351.
                                                                                                                                                                                                                                                                                                                                                                        (28) 351.
Heronry at Walker Lake, (38) 556.
Herons, destructive to mole crickers, (28, 751.
Herons, distribution and migration, (29) 352.
Herpestes mungo as a post in Trinidad, (31) 547.
Herpestomus hyponomentae n.sp., description, (30) 60.
                                                                                                                                                                                                                                                                                                                                                                            Herpetomonas
                                                                                                                                                                                                                                                                                                                                                                                                   rpetomonas—
onlicis, studies, (29) 762.
donovani, notes, (28) 855.
ichneumonis, notes, (30) 857.
phlebotomi n.sp., (880 right), (32) 60.
spp. in dog flea, (33) 862.
```

Herpetomoniasis—	Heteroscapus ronnai n.g. and n.sp., description, (39)
induced development of, (33) 862.	566.
induced, in buds, (35) 782.	Heterosis-
relation to dog fica, (32) 61.	bearing on double fertilization, (40) 226.
Herpotrichia—	explanation, (38) 367.
nigra, new hosts for, (33) 550.	Mendelian interpretation, (40) 323.
nigra, notes, (30) 152, (31) 845; (34) 56.	Heterospilus prosopidis, notes, (29) 253.
quinqueseptata n.sp , description, (33) 351. Herring—	Heterosporium— betae n.sp., notes, (29) 647.
fresh and pickled, food value, (38) 365.	echinulatum, parasitism, (29) 647.
guano, Russian, analyses, (28) 722.	gracile, studies, (31) 354.
kippered, examination, (27) 165.	variabile, investigations, (26) 548.
meal, analyses and digestibility, (26) 567.	variabile, notes, (26) 55.
nutritive value, (40) 66.	variabile, treatment, (28) 446.
roe, dried, organic bases in, (29) 863.	Heterothrips—
salts, notes, (30) 558.	new species, description, (35) 853.
Herse convolvuli (?), notes, (31) 550.	sericatus n.sp., description, (30) 658.
Hessian fly—	Heterozygosis—
control, (35) 899; (39) 863.	in evolution and plant breeding, (29) 31.
discrimination between kinds and varieties of	studies, (27) 428.
grain, (38) 863.	Hevea—
dispersion by wind, (37) 260. immunity of wheat to, (35) 759.	brasiliensis, see Rubber. eanker, notes, (32) 242.
in Kansas, (37) 260, 564.	spp., tapping experiments, (26) 443.
in Ohio, (39) 863.	Hovi, asexual propagation, (32) 142.
lawres migration (20) ECI	He agona spr., on forest trees, (40) 349.
life history and remedies. (38) 54.	Hexamethrionamin, determinition, (35) 616.
notes, (28) 62; (29) 252, 353, 793; (30) 656; (31) 57.	Hexamethylenetetrimie, issimilation by plants,
155, 455, 790, 851; (32) 756; (33) 155, 357, 455;	_(26) 32.
life history and remodles, (38) 54. notes, (28) 62; (29) 252, 353, 793; (30) 656; (31) 57, 155, 455, 790, 851; (20) 756; (33) 155, 367, 455; (38) 466, 653; (39) 265, 561, 866; (40) 352. parasites of, (30) 661; (35) 466; (39) 265. remedies, (38) 653. studies, (30) 157; (34) 250; (37) 780.	Hexane—
parasites of, (30) 661; (35) 466; (39) 265.	effect on soil microorganisms, (31) 27.
remedies, (38) 653.	sterilization of soils by, (32) 816.
studies, (30) 157; (34) 250; (37) 760.	Hexaplasta, n.spp., descriptions, (33) 360.
Trecer a kittae iii Di akiii, (00) 001.	Hexham scent weed, description, (36) 639.
Heterakis—	Hexaplasta, n.spp., descriptions, (33) 360. Hexham scent weed, description, (36) 639. Hexoic acid in butter, constitution, (29) 508.
columbae, embryology, (30) 555.	Hevotrioses, decomposition, (26) 310.
isolonche, notes, (26) 684.	Hibernation, theories, (37) 156.
papillosa, earthworm vector. (38) 83.	Hibiscus—
perspecilium, transmission, (30) 485; (30) 183.	749. (34) 146. (38) 530
spp., physiological investigations, (31) 679.	breeding experiments, (27) 741; (29) 235; (32) 742; (34) 146; (36) 539. cannabinus, culture and improvement, (28) 633.
Heteramphus n.sp., notes, (30) 856. Heterobely ta chilensis n.g. and n.sp., description,	cannabis, production in Africa. (40) 238.
(37) 460.	cannabis, pro luction in Africa, (40) 238. culture in Burina, (29) 736. insects affecting, (30) 445.
Heterocorcus n.g. and n.spp., descriptions, (40) 262. Heterocordylus malinus, see Lygidea mendax, Apple red bug, and Red bug.	insects affecting, (30) 445.
Heterocordylus malinus, see Lygidea mendax,	moscheutos, inserts affecting, (40) 754. oculiroseus, dwarf sport, (34) 335. ornamental, in Huwali, (30) 445, 839.
Apple red bug, and Red bug.	oculiroseus, dwarf sport, (34) 335.
Heterodera-	ornamental, in Hawaii, (30) 445, 839.
radicicola—	propagation, (27) 143.
anatomy and life history, (32) 311. culture, (32) 49.	sabdariffa—
culture, (32) 49.	analyses, (31) 366.
description and treatment, (30) 50.	culture and use, (27) 40. description and analysis, (29) 161.
injurious to coffee, (32) 646. injurious to potatoes, (26) 748.	n.vars., descriptions, (31) 535.
life history, (32) 900.	spp., notes, (27) 431.
new hosts of, (34) 349.	spp., root system, (39) 230.
notes, (26) 649, 844; (28) 648, 654; (29) 549; (30)	syriacus, food plant of cotton boll weevil, (31)
notes, (26) 649, 844; (28) 648, 654; (29) 549; (30) 448, 746; (32) 651; (34) 841; (36) 52, 150.	458.
on Canada thistle, (31) 642.	syriacus, supernumerary carpels in, (28) 832.
coffee, (34) 55.	Hickories-
cotton, (32) 342.	dying, cause and remedies, (26) 560.
melons and cucumbers, (31) 52.	grafting, inarch method, (31) 113.
peonles, (33) 56.	parthenogenesis in, (30) 544; (31) 443.
potatoes, (33) 845; (40) 847.	shagbark, grafting, (31) 443.
Sugar cane, (40) 157.	top-working with pecans, (35) 745.
sweet peas, (32) 446; (37) 155. studies, (26) 343.	Hickory— aphis, little—
treatment, (32) 843; (38) 555.	on pecan, (38) 157.
schachtii—	studies, (31) 753.
biology and treatment, (28) 547.	as a pollenizer for pecans, (36) 344.
in California, (34) 458.	hark beetle-
notes, (28) 149.	notes, (27) 755; (30) 655; (32) 550; (34) 158.
rearing on agar, (33) 547.	remedies, (26) 560; (35) 760; (36) 856.
review of investigations, (28) 446.	bark borer—
studies, (27) 352; (28) 346, 545; (35) 151.	notes, (26) 856; (28) 158; (30) 656; (33) 58, 252
treatment, (26) 648; (33) 851; (36) 450. sp. on peas, (40) 845.	remedies, (29) 457. borers, notes, (40) 259.
	Dorers, notes, (40) 259.
spp., notes and treatment, (27) 354.	cossid on pecan, (38) 157.
spp. on potatoes, (37) 157.	destructive distillation, (27) 745.
spp., parasitism, (30) 647. Heterolysins studies (40) 578.	distillation value, (32) 48. gall aphid, notes, (37) 255.
Heterolysins, studies, (40) 578. Heteromicta latro affecting bananas, (31) 253.	gan apind, notes, (37) 255. grass, notes, (29) 441.
Heteronychus mashunus, life history and control,	leaf galls, descriptions, (35) 468.
(39) 565.	leaf stem gall louse, notes, (33) 58.
Heteronya piceus injurious to alfalfa, (35) 363.	leaf stem gall louse, notes, (33) 58. manufacture and utilization, (26) 544.
Heteropezinae, studies, (30) 657.	meany dug. description, (36) 551.
Heterophyes heterophyes, transmission by files, (38)	nut oil, digestibility, (38) 868.
563.	nut oil, digestibility, (38) 868. nut oil, notes, (30) 165.
Heteroptera—	nuts, analyses and lood value, (30) 103.
from West coast of South America, (37) 357.	nuts, distribution of nitrogen in, (36) 269.
palearctic, catalogue, (30) 455.	phylloxers on pecan, (38) 157.

Wisham Continued	772-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
Hickory—Continued. seeds, storage experiments, (37) 547.	Hirudo boyntoni, transmission of rinderpest by, (33) 876.
shagbark, bearing dates, (33) 643.	Hispinae, catalogue, (26) 560.
shagbark, wood structure, (36) 447. tiger-moth injurious to orchards, (38) 464.	Histidin—
tiger-moth injurious to orchards, (38) 464.	betain in Boletus edulis, (31) 203.
top-working with pecans, (34) 151. tussock moth, notes, (39) 761.	detection, (32) 20.
twig girdler on pecan, (38) 157.	determination, (31) 212.
Hides—see also Skins.	determination in proteins, (26) 22. effect of guinea pig serum on, (30) 478.
and skins, book, (27) 775. and skins, world's supply, (39) 477.	effect on plant growth, (2b) 324.
and skins, world's supply, (39) 477.	in grape leaves, (27) 731.
anthrax infection from (26) 781. cattle, supply of, (32) 91.	hops, (32) 502.
curing and marketing, (27) 470.	malt sprouts, (26) 24. soils, (27) 500.
curing and marketing, (27) 470. disinfection, (31) 677; (33) 178; (34) 781; (36) 784. exports from Mexico, (27) 70.	notes, (28) 29.
exports from Mexico, (27) 70.	nutritive value, (38) 569.
from China, disinfection, (33) 487.	nutritive value, (38) 569. preparation, (38) 708
prices in India, (30) 896. subcutaneous matter of, composition and feed-	role in purin metabolism, (37) 235.
ing value, (35) 376.	Histology—
Hieracium—	pathologic, treatise, (36) 674. textbook, (29) 676. treatise, (26) 876.
hybrids, artificial fertilization, (28) 531.	treatise, (26) 876.
spp., notes, (32) 436. Hierochloe borealis, geographical distribution, (26)	Hitches, directions and illustrations, (27) 96.
334.	Hodotermes turkestanicus, remedies, (31) 155.
Hierofalco rusticolus candicans in North Dakota,	Hoeing machines for vineyards, tests, (28) 187.
_(40) 161.	Hog-breeding crate, (39) 577. Hog bristles, fertilizing value, (29) 129.
Hieroglyphus banian—	Hog cholera—
conti ol, (28) 249. studies, (27) 55.	agglutination reactions in, (26) 785; (27) 289, 384.
High school—see also Schools.	and infectious abortion in pigs, (31) 886,
visitors in Texas, (30) 190.	attenuated form, (26) 483.
High schools, rural relations, (39) 298; (40) 486.	auto-infection in, (34) 279. bacillary, notes, (31) 679.
Highway—	hacilli in intestines of healthy hors (26) 184
bridges and structures, paper on, (34) 484. cost keeping, (39) 794.	bacilli in intestines of healthy hogs, (26) 184. bacillus, nongas-producing strain, (36) 582.
engincering—	bacillus, virulence after passage through rab-
chemistry of, (26) 789. economics of, (35) 389.	bits, (38) 382.
economics of, (35) 389.	bacillus, virulence after passage through rab- bits, (38) 382. blood, attenuation, (36) 777. blood filtrates, (30) 776.
traffic laws in relation to, (40) 387. treatise, (27) 189; (34) 586.	cases, paratyphoid bacilli from, (40) 480.
engineers, feet-miles conversion table for, (35)	cause, (26) 785; (27) 290; (28) 82; (37) 382, 782.
390.	cases, paratyphoid bacilli from, (40) 480. cause, (26) 785; (27) 290; (28) 82; (37) 382, 782. cell inclusions in, (34) 679. complement fixation in (34) 582; (39) 392. control, (28) 184, 285; (39) 500, 888; (36) 192; (38)
statistics and data, uniformity in, (34) 484.	complement fixation in (34) 582; (39) 392.
transportation, economic, (40) 387.	CONTROL, (28) 184, 285; (29) 500, 888; (30) 192; (38)
work, equipment for, (34) 484. Highways, see Roads.	control, importance, (39) 492.
Hilaria—	control in—
cenchroides, seedling on ranges, (30) 35.	California (30) 484.
mutica as hay or silage crop, (38) 471.	Canada (31) 886
Hilgard, E. W.,—	Colorado, (31) 885. Germany, (33) 87, 680; (34) 185. Great Britain, (36) 676; (37) 779.
biographical sketch, (34) 301. memorial addresses, (35) 595.	Greet Britain (38) 678: (34) 155.
Hillipus bonelli, notes, (28) 858. Hill bull blood, analyses, (36) 779. Himantia stellifers—	Indiana, (31) 781; (32) 676; (36) 492; (37) 882.
Hill bull blood, analyses, (36) 779.	Iowa, (34) 387; (36) 777; (38) 78,
Himantia stellifera—	Kansas, (35) 483.
notes, (40) 157, 848. studies, (38) 851.	Kentucky, (32) 83. Michigan, (37) 274.
Hinoki—	Minnesota, (32) 880: (34) 188.
fertilizer experiments, (38) 624.	Minnesota, (32) 880; (34) 188. New York, (32) 783.
wood, essential oil of, (34) 802.	North America, (33) 87.
Hippeastrum, red leaf spot of, (36) 453. Hippebosca maculata, relation to surra, (31) 777.	Ohio, (31) 885. Oregon, (37) 374.
Hippodamia—	Panneylvania (35) 885: (37) 577
ambigua, notes, (28) 161.	Pennsylvania, (35) 885; (37) 577. Tennessee, (34) 777. United States (34) 105 272 280
convergens—	United States, (34) 185, 273, 280.
collecting, (27) 361.	cures and preventives, tests, (32) 880.
destruction by white fungus, (26) 454. destructive to citrus plant lice, (26) 755.	cures and so-called specifics, (34) 82.
fumigation, (39) 463.	determination and control, (39) 188.
life history and habits, (34) 555.	determining in the herd, (40) 888. diagnosis, (31) 878; (34) 777.
notes, (28) 250; (29) 652; (32) 654. studies, (29) 355.	diagnosis and treatment, (39) 591.
spp. life history (33) 562.	differential diagnosis. (33) 285.
spp., life history, (33) 562. spp., notes, (27) 561.	diseases resembling, differential diagnosis, (39)
spp., studies, (39) 663. Hippopotamus liberiensis, domestication, (30) 672.	589. dissemination, (30) 285; (34) 275.
Hippopotamus liberiensis, domestication, (30) 672.	filterable organism in, (34) 680.
Hippotion celerio in South Africa, (40) 648. Hippuric acid—	following vaccination against erysipelas, (31)
assimilation by plants, (26) 32.	183; (32) 882.
cleavage by mold fungi, (30) 503.	globulin, tests, (39) 492. globulin, use, (35) 884.
decomposition by mold fungi, (29) 28.	
determination, (31) 610; (40) 611. effect on development of radishes, (26) 229.	immunity of suckling pigs to, (37) 881; (39) 790. immunization, (26) 289, 383, 578, 888; (27) 77,
effect on spectroscopic test for hemoglobin, (26)	- And And And And And And And The Total Times
114.	
excretion as affected by spices, (28) 261.	194 ETE. (2E) 904. (0A) 94 499 777 048 004.
formation in pigs, (32) 262. Hirayamaia n.g. and n.sp., description, (38) 857.	184, 575; (35) 884; (36) 84, 482, 777, 868, 884; (37) 779; (38) 281, 287, 589, 684, 689, 888; (39)
Hirneola auricula-judae, studies, (33) 551, 552.	790; (40) 290, 683.

Hog cholera—Continued.	Hog cholera—Continued.
in Argentina, (38) 787. Cuba, (35) 282.	virus—continued. culture experiments, (30) 384,
England, (32) 271.	effect on laboratory animals, (40) 480
Crest Dritain (21) 177, (24) 200, (26) 270	fixed, (34) 184. fixed, preparation, (29) 287. organ extracts for, (39) 684.
Hawaii. (37) 374.	organ extracts for, (39) 684.
Great Britain, (31) 177, (34) 352, (36) 376. Hawaii, (37) 374. Imperial Valley, (34) 274. Ircland, (27) 781. Peru, (36) 779. Portugal, (36) 280. Prussia, (27) 181. southern Italy, (36) 680. United States, (31) 381; (37) 274. layrny and kildney hemorrhages in. (36) 83.	Staties, (28) 567, 061.
Ireland, (27) 781.	Hog erysipelas—
Portugal. (36) 280.	and swine plague, relation, (31) 483.
Prussia, (27) 181.	diagnosis, (27) 786; (28) 381, 477; (29) 179, 888; (30) 685; (31) 183, 878.
southern Italy, (36) 680.	immune serum, investigations, (27) 683.
larynx and kidney hemorrhages in, (36) 83.	immunization, (26) 185, 578, 587, 676; (32) 375; (33) 285.
nature and treatment, (29) 384; (31) 484.	infection in man. (29) 780.
nomenclature suggested for, (33) 182, 285.	notes, (26) 373.
nostrums, notes, (31) 657, 668. notes, (26) 587; (27) 475, 083; (29) 888, 889, 896; (31) 79, 86, 483, 585, 682; (32) 271, 278, 479, 480, 684, 783; (33) 86; (34) 188; (35) 78, 282; (37) 477, 784; (38) 178, 179, 578, 288; (40) 86, 676, 778, 880.	studies, (26) 181. Hog louse, see Haematopinus suis.
(31) 79, 86, 483, 585, 682; (32) 271, 278, 479, 480,	<u>Hog motor</u> , tests, (27) 874.
784: (38) 178, 179, 578, 888: (40) 86, 676, 778, 880.	Hogs, see Pigs.
outbreak at Algiers, (29) 482.	Hohenheim Institute for Plant Protection, report, (29) 845.
outbreak in Manitoba, (28) 587.	Holanusomyla pulchripennis n.g. and n.sp., descrip-
outbreaks in England, (38) 282.	tion, (34) 857.
papers on, (33) 176. prevention, (26) 289; (29) 82; (31) 886; (33) 182,	Holaspis n.sp., parasitism, (27) 558. Holcency itus—
483; (34) 680; (37) 882.	calypso n.sp., description, (31) 459.
prevention and control, (32) 184. prevention and treatment, (38) 82.	physokermis n.sp., description, (36) 555, Holcocera iceryacelli, notes, (36) 56.
relation to—	Holcocneme coeruleocarpa, notes. (36) 355.
Bacillus voldagsen, (29) 482.	Holeus lanatus—
human typhoid, (26) 881. necrobacillosis, (30) 589, 590.	dissemination by insects, (27) 47. germination experiments, (31) 227.
parasites, (34) 280.	notes, (30) 431.
raus, (40) 480.	Holden, Whittaker, blographical notes, (29) 121.
spirochetes of digestive tract, (37) 279 swine plague, (26) 383.	Holly—
swine plague, (26) 383. remedies, tests, (34) 783. researches, (27) 77.	mountain, pith-ray flecks in, (30) 855. tortrix moth, studies, (40) 167, 356.
researches, (27) 77.	Hollyhock—
review of investigations, (32) 83; (34) 386; (38) 381.	inheritance of doubleness, (39) 123.
secondary invaders, (34) 479.	rust in Sweden, (33) 846.
septic endometritis and abortion in, (30) 484.	rust, notes, (26) 52; (32) 48. rust, studies, (26) 650; (30) 652.
septicemic form, (30) 685. serum—	rust, treatment, (26) 750; (27) 132, 746; (31) 245.
agglutinins in for Dacillus suipestifer, (36)	Hololepta quadridentata, notes, (39) 58.
280.	Holotrichia vidua, notes, (26) 857. Holy grass, geographical distribution, (26) 334.
as affected by freezing, (38) 487. as affected by heat, (34) 783.	Homalomma pteronideae n.sp., description, (34)
distribution, (28) 476.	456. Homalomyin, een Funnie
filtration, (37) 381.	Home—
guaranties of preparation and distribution, (39) 680.	betterment movement in United States, (33)
immune bodies of, (34) 777.	307.
paper on, (27) 576.	conveniences, notes, (31) 388. conveniences, paper on, (29) 465.
preparation in Hungary, (27) 186, production, (26) 785; (27) 289, 384, 683; (28) 476; (34) 185, 273; (35) 488; (36) 179, 280.	demonstration work, effect of, (37) 598.
476; (34) 185, 273; (35) 458; (36) 179, 280.	economics—* e a'so Vocational education and Household.
production in Illinois, (36) 284. production, virulent salt solution in, (34)	etivities of U. S. Department of Agricul-
680.	ture, (31) 359
refinement, (34) 387.	application, (36) 191. association in Alabama, (37) 895.
relation to foot-and-month disease out- break, (35) 74.	at Coinell University, (29) 808.
separation of active principle, (37) 78.	bacteri legical exhibits, (30) 395.
separation of antibody fractions, (34) 479.	bibliography, (28) 492; (29) 93, 567, 792. clubs in bith schools, (33) 91.
standardization, (34) 250. storing, (36) 482.	clubs in Pennsylvania, (31) 393.
storing, (36) 482. studies. (36) 884; (39) 183. use, (27) 683.	clubs, notes, (32) 597. clubs, programs for (32) 495.
recuirm mathod of dispute (34) 356	contests for boys and girls, (28) 194.
spirochetes in, (30) 585. studies, (28) 183, 184, 881; (27) 583, 887; (28) 183, 381, 482; (30) 383, 585, 685; (31) 86, 87, 680; (32) 83, 378, 582, 782; (33) 182, 279, 285, £60, 676, 879; (34) 83; (35) 78, 784, 878; (36)	contests in, (29, 209.
studies, (26) 183, 184, 881; (27) 583, 887; (28) 183,	course for southern schools, (37) 894.
(32) 83, 378, 582, 782; (33) 182, 279, 285, 580, 676.	course for Texas homemakers. (40) 197. courses, (27) 96, 208; (28) 795; (30) 395; (33) 805; (34) 94, 497, 597.
879; (34) 82; (35) 78, 784, 878; (36) 384, 675,	895; (3%) 94, 497, 597.
680; (38) 688; (39) 81; (40) 783, 784.	courses, elementary and secondary, (39) 299. courses for high schools, (31) 692; (32) 394.
symptoms, (33) 878. transmission, (36) 675; (37) 691; (38) 381; (39) 290.	courses for teachers, (36) 96.
transmission, (36) 675; (37) 691; (38) 381; (39) 290. treatise, (32) 277.	demonstration lectures in, (30) 94.
treatment, (27) 77, (33) 86, 389, 483, 878.	demonstration work in Louisiana schools, (38) 196.
vaccine— preparation, (33) 86.	digest of data, (26) 659. economics, education—
production, (28) 681.	economics, education— in United States, (26) 794.
use, (30) 180. virulence of blood in, (37) 784.	relation to social hygiene, (38) 394.
virus—	vocational, in United States, (36) 701.
action of Kreso on, (34) 583.	economics, equipment for teaching, (36) 396. economics, evening classes in, (32) 596.
attenuation, (33) 86; (36) 84; (39) 391, 392.	

Home-Continued.	Home-Continued.
economics extension, work—	economics—continued.
and expenditures, (38) 899. in Canada, (32) 92.	lessons in, (28) 693; (33) 495; (35) 594; (36) 496, 497; (40) 197, 198.
in Canada, (32) 92. Illinois, (32) 691. Kansas, (32) 690.	manual, (30) 763.
Minnesota, (32) 691.	manual and course of study, (40) 396.
Minnesota, (32) 691. New Jersey, (34) 197. Southern States, (36) 896.	need for research in, (27) 1. notes. (30) 462, 898; (31) 494. outline for study of, (33) 297, 695, 697, 792.
United States, (33) 94, 101; (36) 795.	papers on, (29) 362; (31) 393.
Utah, (33) 94. school credit for, (36) 293.	reading courses in, (31) 394; (32) 795.
economics—	recipes, (28) 693. relation to farmers' institutes, (32) 98
field of, (31) 694.	economics schools—
handbook, (26) 394, 597; (28) 461; (31) 760; (40) 361.	in Denmark, (32) 493. in France, (27) 94; (30) 495.
helps for teachers in, (28) 693.	in Pennsylvania, (32) 596.
high school lessons in, (29) 792. in e-lucation for women, (36) 96.	itinerant, notes, (27) 597. notes, (31) 692.
in extension work, (32) 10.	economics—
economics instruction— cultural value, (34) 897.	short courses in Canada, (35) 695. sources of information on, (30) 500.
for young girls, (29) 695.	study classes, organizing, (32) 488, 597. syllabus, (29) 496; (31) 495.
home projects in, (35) 594. in agricultural colleges, (32) 690.	teachers, preparation, (39) 195, 595, teachers, summer schools, (39) 798.
Alaska, (32) 492.	teachers, summer schools, (39) 798. teachers, training in Prussia. (35) 695.
Belgium, (27) 694; (29) 92.	teaching, (31) 791. teaching language through, (28) 91.
California, (37) 394. Canada, (28) 400; (33) 897; (36) 793; (37)	teaching language through, (28) 91.
colored schools of Kentucky (20) 208	teytbook, (28) 795; (31) 298; (32) 394; 495, 598; (34) 293, 395, 599, 794; (36) 497; (37) 396, 894; (40) 296, 706, 899.
Cornell University, (32) 895.	396, 894; (40) 296, 796, 899, treatise, (28) 566; (29) 162, 266; (32) 65, 495;
Cornell University, (32) 895. Denmark, (31) 599. Detroit schools, (38) 599.	(40) 96.
elementary schools, (33) 696; (34) 395;	work in Missouri, (31) 97. work of States Relation Service, (38) 898.
(36) 598; (38) 897. England, (31) 261.	furnishing and decoration, outline, (34) 293.
Detroit schools, (38) 599. elementary schools, (33) 696; (34) 395; (36) 598; (38) 897. England, (31) 261. Europe, (30) 694.	grounds— arrangement, (34) 741.
France. (31) 493, 899; (34) 899.	beautifying, (25) 193; (40) 247.
Georgia, (38) 296.	improvement, (36) 446. laying out, (34) 238.
German Switzerland, (37) 793. Germany, (26) 794.	planning and planting, (37) 44, 346; (39) 450;
Harlem (III.) consolidated schools, (31)	(40) 447. planting, (30) 196, 395.
high schools, (26) 394; (31) 394; (32) 494; (34) 395; (35) 898; (36) 594; (39) 92. Indiana, (33) 595; (34) 395. Iowa schools, (35) 592. Ireland, (30) 298.	planting, (30) 196, 395. industries in Scotland, (33) 190. management school in Austria, (26) 689.
(34) 395; (35) 898; (36) 594; (39) 92. Indiana. (33) 595; (34) 395.	project in agricultural education, (40) 295. projects for New Hampshire schools, (40) 296.
Iowa schools, (35) 592.	projects for New Hampshire schools, (40) 296. work, winter, for canning club girls, (33) 298.
Louisiana, (31) 193; (33) 792. Massachusetts, (38) 396.	Homemakers' clubs—
Massachusetts, (38) 396. Minnesota high schools, (31) 297.	for negro girls, (33) 299. organizing and operating, (32) 495.
Missouri high schools, (32) 499.	Homemaking schools in New York, (26) 192; (37) 394.
Netherlands, (32) 92. New Hampshire, (33) 397: (37) 699.	Homes-
New Hampshire, (33) 397; (37) 699. New Jersey, (40) 295.	decoration and furnishing. (32) 597. for laborers, (31) 293.
New Mexico, (29) 92; (32) 690; (34) 793.	for rural laborers, (32) 687.
North Dakota, (37) 193. Ontario, (34) 897.	hygienic surroundings of, (31) 387. labor-saving devices in, (28) 566.
	Homesteads in Alaska, (36) 791.
Pommerania, (30) 793.	Hominy— ash analyses, (29) 861.
public schools, (32) 897; (37) 93, 494.	canning, (27) 508.
Pommerania, (30) 793. Porto Rico, (30) 199. public schools, (32) 897; (37) 93, 494. rural schools, (28) 694; (38) 697. San Francisco, (40) 294. Saskatchewan, (36) 291.	chop, analyses, (31) 467. chop, energy value, (33) 72.
Saskatchewan, (36) 291.	feed-
Saxony, (33) 296. 7th and 8th grades, (32) 692.	analyses, (26) 72, 165, 362, 468, 568, 665; (27) 68, 170, 171, 469, 570, 670, 872; (28) 364, 464, 572, 669; (29) 367, 570, 769; (30)
Silesia, (35) 395. State colleges, (32) 491.	364, 464, 572, 669; (29) 367, 570, 769; (30)
State coneges, (32) 491. Sweden, (35) 395.	68, 169, 565, 868; (31) 73, 168, 366, 467, 663, 863; (32) 169, 667; (33) 71, 371, 568, 665,
Texas, (40) 598.	870; (34) 72, 169, 263, 371, 467, 566, 665; (35) 373, 374, 562, 867; (36) 167, 268, 765;
United States, (33) 397; (35) 394, 499; (36) 897; (37) 393.	364, 464, 572, 669; (29) 367, 570, 769; (39) 68, 169, 565, 568; (31) 73, 168, 366, 467, 663, 863; (32) 169, 667; (33) 71, 371, 568, 665, 870; (34) 72, 169, 263, 371, 467, 566, 635; (35) 373, 374, 562, 867; (36) 167, 268, 765; (37) 268, 471, 767; (38) 67, 368, 369, 665; (39) 167, 370, 773; (40) 72, 571, 665.
universities and colleges, (38) 394.	(39) 167, 370, 773; (40) 72, 571, 665. composition and digestibility, (38) 68.
University of Illinois, (32) 288. University of Minnesota, (26) 794.	energy value, (38) 68.
11toh (37) 198	energy value, (38) 68. feeding value, (40) 668. for pigs, (27) 571. v. corn for pigs, (31) 868. grits, analyses, (28) 165. brilling corn for (34) 66.
village and rural schools, (32) 495. West Virginia, (29) 92. Wisconsin, (33) 94. papers on, (35) 897; (37) 192, 596; (40) 894.	v. corn for pigs, (31) 868.
Wisconsin, (33) 94.	grits, analyses, (26) 165. hulling corn for, (34) 66.
principles and policies, (31) 897.	meal-
economics—	analyses, (26) 568, 665; (27) 774; (28) 265; (29) 270; (30) 67; (31) 366; (32) 259, 667; (34) 169, 263, 467, 566, 665; (35) 373 (36)
laboratory manual, (28) 393. lectures on, (32) 394.	(34) 189, 263, 467, 566, 665; (35) 373 (36)
lessons for rural schools, (39) 498	167, 667; (40) 470.
5283126†20	

```
Honohono as a feeding stuff, (35) 561.
Hood River basin, Oreg., hydrology, (32) 382.
Hoof meal, fertilizing value, (38) 814.
Hooker, C. W., biographical sketch, (28) 300.
  Hominy—Continued. meal—continued.
 meal—continued.
and feed, analyses, (29) 666; (39) 270.
feeding value, (39) 778.
v. barley for pigs, (29) 671.

Homocidus spp., notes, (31) 62.
Homoeonychia rapae n.sp., description, (38) 767.
Homogentisinase, notes, (30) 709.
Homons coffearie, studies, (40) 453.
Homoptera-Auchenorhyncha, palearctic, catalogue, (30) 455.

Homoptera—
of British India, (37) 54.
of Formosa, (38) 361.
of Hawaii, (38) 557.
Homotyposis in plants, (36) 628.
Hondrol beans, culture experiments, (32) 227.
Hondry—
                                                                                                                                                                                                                                                               Hookworm-
                                                                                                                                                                                                                                                                               disease in sheep and other animals, (29) 287. ova, destruction by low temperatures, (40) 685. remedies, (37) 578.
                                                                                                                                                                                                                                                               Hop-
                                                                                                                                                                                                                                                                                  aphis
                                                                                                                                                                                                                                                                                                  us—alternate hosts, (39) 464.
notes, (36) 253.
on Rosaceae, (32) 848.
remedies, (28) 759; (32) 649.
studies, (29) 254.
bastle...
                                                                                                                                                                                                                                                               flea beetle—biology and remedies, (30) 255.
notes, (29) 761.
industry in Wurttemberg, history, (29) 141.
mildew, notes, (30) 348.
mildew, resistance to fungicides, (38) 450.
mildew, studies, (29) 346; (32) 843.
powdery mildew, notes, (29) 547.
redbug, life history and remedies, (38) 559.
sprouts as an early spring salad, (29) 161.
Hopliandrothrips affinis n.sp., notes, (34) 255.
                                                                                                                                                                                                                                                                                  flea beetle-
Hoplia—
new, from Florida, (39) 664.
trifasciata, notes, (28) 158.
                                                                                                                                                                                                                                                                Hoplocampa—
brevis, notes, (31) 848.
cookei, life history and remedies, (28) 657.
cookei, notes, (30) 857.
                                                                                                                                                                                                                                                                 Hoplogryon kansasensis n.sp., description, (27) 60.
Hoplophora monogramma, notes, (30) 854.
Hoplothrips corticis, notes, (34) 550.
                                                                                                                                                                                                                                                                  Hops
                                                                                                                                                                                                                                                                                   aroma of, (31) 201; (33) 530.
arsenic in, (38) 9.
as affected by refrigeration, (29) 13.
                                                                                                                                                                                                                                                                                  breeding for aroma, (39) 234.
chemical changes in during sulphuring, (32) 809.
coccinellist affecting, (33) 256.
composition, (31) 41, 311.
                                                                                                                                                                                                                                                                                   composition, saffected by kiln drying, (30) 115.
culture and improvement, (23) 633.
culture and ripening, (29) 534.
determination of bitter constituents, (30) 209;
                                                                                                                                                                                                                                                                                  determination of ditter constituents, (33) 507.

(33) 507.

fertilizer experiments, (27) 534; (29) 534; (30) 37, 527; (31) 527, 735, 736.

flowering time, (33) 530.

from different sources, composition, (31) 41.

growth measurements, (31) 527.

insects affecting, (26) 353; (28) 248; (30) 53; (34)
                                                                                                                                                                                                                                                                 651.

Japanese, floral anomalies in, (20) 432; (27) 827.

Japanese, sex anomalies in, (20) 27.

Judging, (20) 535.

Lupuitin content, (33) 530.

male, distribution to growers, (28) 636.

male, variation in, (33) 834.

marginal teeth of leaves from different clones, (40) 527.

methods of analysis, (29) 535.

nitrogenous constituents, (32) 502.

pollination and fertilization, (31) 735; (33) 335.

production in United Kingdom, (26) 793.

red spider affecting, (29) 261; (32) 157.

relation of stand to yield, (28) 834.

resins of, (34) 502, 711.

resistance to mildew, (39) 147.

ripening studies, (28) 211.

rotational movement of stems, (31) 527.

seeded and seedless, characteristics, (31) 735.

sex studies, (31) 832.

soft resin content, (26) 209.

spent, as feeding stuff, (30) 565; (34) 263.

statistics, (26) 190.

sterile dwarfs in, (31) 130, 332.

stored, soft resins of, (33) 708.

varieties, (28) 636; (33) 433.

wild, of Denmark, (39) 234.

Horco-molle tree, oil from, (38) 714.

Hordein—

effect on wheat gluten, (26) 67.
                                                                                                                                                                                                                                                                                      Japanese, floral anomalies in, (26) 432; (27) 827.
                           notes (33) 299.
                            of Hungary, analyses, (33) 565.
                         of Indigary, inhighess, (85) 665.
plants—
of California, (26) 128.
of Guam, (31) 425.
of Iowa, (32) 853.
tests, (49) 65.
production—
in United States, (39) 565.
in United States, 1918 program, (38) 865.
relation to weather, (37) 854.
recipes, (40) 461.
removing from hollow trees, (35) 856.
Russian, identification, (28) 862.
statistics in United States, (28) 390.
strained, analyses, (32) 762.
studies, (28) 25; (31) 113.
Turkish, examination, (27) 268.
utilization, (35) 470.
                            plants.
         Turkish, examination, (27) 268. utilization, (35) 470. vetch, notes, (29) 233. vitamin content, (40) 564. volatile acids in (26) 25; (27) 112. wild, notes, (27) 865. yields in 1916, (40) 759. Honeybees, see Bees. Honeydew, relation to sooty molds, (27) 848. Honeysuckle—French, insects affecting. (26) 147.
          French, insects affecting, (26) 147.
Tartarian, culture in Alaska, (29) 743.
Honge tree leaves and oil cake, fertilizing value, (38) 220.
                                                                                                                                                                                                                                                                                      effect on wheat gluten, (26) 67.
lysin content, (31) 559.
of barley and gliadin of wheat, relationship, (31)
```

Hordenin-	Horse-Continued.
in germinating corn, (35) 202.	diseases—
sulphate, nature and use, (26) 580 Hordeum—	control during war, (38) 287.
diatishama matama	handbook, (30) 255; (37) 778, 784; (39) 85, 492 in British East Africa, (30) 576.
heredity in, (29) 738.	nature and treatment, (34) 383.
heredity in, (29) 738. transmission of morphological characteristics in, (28) 531.	notes, (29) 676; (31) 380.
istics in, (28) 531.	relation to phosphate depletion of soil, (38)
jubatum, geographical distribution, (2n) 331.	118.
murinum, geographical distribution, (26) 335.	report on, (36) 884. treatise, (34) 278, 477, 794; (38) 781.
Horismenus, n.spp., descriptions, (26) 352. Horistonotus uhleri, see Corn wireworm.	treatment, (28) 587.
Horistothrips australiae n.g. and n.sp., description,	distemper, immunization, (30) 83.
(31) 550.	entraus, utilization, (30) 567.
Horizonetta, new genus, erection, (57) 758.	12178 2110 exhibitions in United States, (28) 796
Hormiopterus graciliformus n.sp., description, (26) 352.	flesh, analyses, (40) 656. flesh as human food, (39), 668.
	flesh, preservation and use, (27) 460.
n.sp., description, (28) 747.	flies, see Tabanus striatus.
notes, (29) 345.	nybrids, fertility of, (26) 163.
Hormodendron-	insurance societies in Holland, (30) 493.
horder, notes, (26) 446.	labor, cost, (34) 568, (37, 567; (39) 495.
sp., notes, (29) 647.	labor on the farm. (39) 794, 795. lice, biology and remedies, (38) 184.
Hormone media, preparation and use, (39) 583.	mange-
Hormones, r3le in production of secondary sex characters, (31) 271.	nature and treatment, (30) 485.
	notes, (40) 89, 676
fertilizing value, (29) 125.	parasitic, in horses, asses, and mules, (29)
fly—	588. treatment, (38) 82; (39) 283, 291.
as affecting milk production, (40) 648	meat—
as anthrax corrier, (39) 161.	detection in bologna, (28) 615.
nutes intesting, (2h) 252.	detection in canned beef, (34) 113.
notes, (29) 401; (32) 500; (34) 703.	detection in pork products, (28) 510.
as anthrax currer, (39) 161. nutes infesting, (20) 252. notes, (29) 451; (32) 555; (34) 753. parasites of, (29) 53; (34) 59; (37) 847. repellants for, (38) 358.	protein as affected by alcohol, (30) 779.
transmission of poliomyelitis by, (31) 551.	nettle, destruction, (26) 333. racing, plea for, (37) 771.
ground, fertilizing value, (37) 321.	saliva—
meal, ammonification and nitrification under	amyloclastic activity, (38) 180.
laboratory conditions, (30) 218.	amyloclastic activity, (38) 180. anthray bacilli 1n, (30) 83.
meal, nitrification in soils, (31) 818.	diastatic action, (37) 771.
Hornbeam, forcing experiments, (28) 435.	orokinose and ptyalin in, (40) 778. scab, notes, (34) 576.
Hornbill, giant, peculiarity in growth of tall feathers (34) 850	serum—
feathers, (34) 850. Hornblend decomposition by soil bacteria and	antibodies, relation to serum disease, (39)
yeast, (31) 121. Hornet, European—	284.
Hornet, European—	effect on hemolytic action of peptones, (35)
girdling of hardwood twigs by, (37) 255.	881. Drotains as anonhylactic entirens (26) 977
notes, (28) 752; (34) 752. poison of, (29) 57.	proteins as anaphylactic antigens, (36) 877 refractive index, (2b) 173.
Horns—	tests, (35) 179.
breeding for, (33) 173.	use against dog distemper, (28) 185.
inheritance in cattle, (20) 68.	utilization in human nutrition, (40) 269.
inheritance in sheep, (27) 468; (28) 267.	sickness— African complement fixing in 1920 202
Horntails of North America, (29) 359. Hornworms, studies, (20) 453.	African, complement fixing in, (26) 882.
Hornworms, studies, (20) 453.	immunization, (33) 384. review of investigations, (31) 177.
Horonbia eruarginata, host plant of fruit fly, (26) 758.	spermatozoa, longevity outside the body, (38)
Horse-	170.
and mule as twins, (38) 574.	stables, location and construction, (23) 188. stables, mangers and racks for, (28) 386.
and zebra hybrids, skull characters, (38) 65.	strongyles, studies, (39) 1.86, 892.
barn, plans and specifications, (33) 783.	tick, tropical, studies, (35) 38.
barns for prairie farms, (35) 690.	troughs, sanitary, descriptions, (28) 686.
bean seeds, germinating, nitrogenous sub- stances in, (32) 112.	Horse-chestnut—
beans—	anthracnose, notes, (35) 851.
changes in during ripening, (36) 731.	flakes, analyses and feeding value, (33) 170. leaf blotch—
composition as affected by companion crop,	description, (35) 85!.
(26) 617.	notes, (33) 347.
culture and use, (39) 837. culture experiments, (31) 829.	studies, (35) 154.
culture for winter forage, (38) 735.	treatment, (39) 548.
description, (30) 828.	leaf cast, notes, (37) 658. leaf diseases, treatment, (34) 747.
distance experiments, (30) 732.	Phyllosticta disease, (38) 545.
fertilizer experiments, (26) 631.	shoots, Gloeosporium on, (36) 52.
for pigs, (36) 371. hydridization experiments, (32) 130.	wounds, larvae in, (29) 357.
inoculation experiments, (28) 617.	Horse-chestnuts—
liming experiments, (32) 127.	analyses, (38) 410. composition and digestibility, (27) 669.
notes, (28) 532.	drying. (27) 669.
sulphur as a fertilizer for, (30) 139.	endotrophic mycorrhiza of, (26) 828. feeding value, (29) 170; (32) 566; (39) 269. forcing experiments, (28) 436.
varieties, (26) 631; (31) 230. blood, red and white corpuscles in, (29) 783.	feeding value, (29) 170; (32) 566; (39) 269.
bots—see also Gastrophilus spp.	norung experiments, (28) 435.
relation to pernicious anemia, (39) 81.	new, in Kew Gardens, (31) 236. use in bread making, (35) 470.
breaking in Argentina, (30) 71.	Horseflies—
Carnot, notes, (34) 869. control brands in Germany, (30) 373.	as anthrax carriers, (39) 161.
cuuroi prancs in Germany, (30) 373.	egg-laying habits and early stages. (37) 853.
disease in Patagonia, (39) 85.	in southern Florida, (37) 565.

Transfin Continued	Tauras Continual
Horseflies—Continued. notes, (29) 454.	Horses—Continued. breeds, British, (29) 571.
of Everglades, peculiar habit, (40) 263.	breeds in Norway, (32) 868
Horsegram as green manule, (38) 220.	buying, (30) 270.
Horsemint— as source of thy mol. (35) 314.	cactus for, (33) 70. cannon bone size and age of parents, correlation,
thymol content, (39) 712.	(36) 371
Horsepower—	care and management, (27) 373; (28) 367; (29)
v. electricity for threshing machinery, (28) 591.	873; (34) 268. care and training, book, (33) 571.
Horsepox, studies. (38) 556.	caternillars injurious to, (26) 456.
Horse-radish-	cavalry, improving, (29) 471. Celtic, discussion, (26) 571.
culture, (34) 95. culture experiments, (36) 838.	changes in form due to fattening, (28) 172;
flea-beetle, notes, (20) 761.	(34) 174.
flea-beetle, studies, (37) 566.	chestnuts of, (26) 672; (28) 772.
webworm, life history and remedies, (28) 656. Horses—	classification, (26) 668.
abnormal digits in, (27) 369.	climatic environment, (27) 174. color factors in hair of, (28) 874.
alimentary intoxications of, (26) 887.	color for in Tropics, (26) 75; (28) 575.
amebae allecting, (27) 477.	color inneritance in, (32) 361; (40) 870.
American-bred, in England, (28) 772. American trotting, foreign demand for, (31) 169.	composition of bones, (27) 572. concretions in cyst of mammary gland, (27) 888.
anatomy of, treatise, (32) 278, 682.	correlation between form and function, (27) 373.
anatomy of, treatise, (32) 278, 682. ancestry, (26) 368; (28) 271, 469, 672, 673. anesthesia of, (35) 379.	cost of—
anesthesia of, (35) 379.	feeding in Philippines, (26) 362.
Anglo-Morman, history, (24) 875. antiquity in River Plata region, 125, 169.	keeping, (31) 870; (37) 867; (38) 675, 693, 790, raising, (26) 6 8; (29) 190; (36) 70; (38) 675.
Arabian—	cottonseed meal for, (30) 375.
discussion, (2b) 571.	crushed oats for, (36) 8t 6.
history and influence, (27) 772. in northern Africa, (26) 875.	determination of age, (32) 366. digestion experiments, (28) 463; (29) 671; (32)
preservation, (31) 365.	262.
stud book, (29) (9.	diseases of—
Ardennais, origin and type, (26) 264.	digestive organs, (40) 86.
Argentine polo, notes. (27) 471. army, breeding in Sao Paulo, (27) 871.	reproductive organs, (37) 473. respiratory tract, (33) 582.
army, improvement, (30) 671.	dissection, guide, (33) 87; (34) 480.
army, treatise, (26) 360.	dissection of cranial nerves and blood vessels,
as affected by dips, (27) 477.	(34) 188. draft—
environment, (32) 263.	breeds of, (32) 262.
smoke from lead works, (34) 278.	fattening for market, (38) 71.
Assyrian Wild, note-, (26) 668.	feeding experiments, (36) 569. judging, (29) 471; (32) 469; (33) 696.
bacterial flora of large intestine, (29) 466 Belgian draft, monograph. (26) 76; (27) 72.	raising, (36) 172.
Boulonnais brend, origin and characteristics,	selection, (38) 275.
(26) 168.	early maturity in, (28) 271. educated, notes, (28) 172, 470.
brains of, (31) 164.	educated, notes, (28) 172, 470.
breaking, (38) 775. breaking and training, (33) 271.	electro-cardiogram of, (30) 269, 784. emaclated, treatment, (33) 286.
breaking and training, treatise, (32) 263.	English racing, color of, (35) 377.
breaking and training, treatise, (32) 263. breeding, (26) 571; (28) 574; (29) 672; (30) 70; (31) 269, 394; (32) 361; (37) 368, 572; (40) 183.	evolution in South America, (25) 673.
breeding—	exports from United Kingdom, (31) 471. factors affecting pulse rate, (28) 768.
and management, (27) 72; (33) 71; (38) 274.	famous American, notes, (26) 368.
and training, treatise (34) 869.	famous sires, (27) 173.
experiments, (27) 712, (29) 668; (32) 767; (35) 869.	feed requirements, (35) 773. feeding, (26)164; (29)171; (30) 174; (38) 169, 576.
for English army, (33) 172.	(40) 875.
for United States Arms. (30) 270; (39) 479.	feeding-
government and to, in Europe, (26) 896. history, (26) 36%.	experiments, (26) 74, 362, 468; (27) 572, 772 (28) 171, 172, 265, 363, 364, 571; (29) 370, 773, 573; (30) 175, 371; (31)668, 709, 870; (32) 462; (33) 471, 759; (34) 176, 769, 865, 869; (35) 773, 869; (36) 69, 171, 860; (37) 269, 681, 768; (38)
in Algiers, government aid to, (29) 573.	773, 873; (30) 175, 371; (31)668, 709, 870; (32)
Austria-Hungary, (28) 209.	462; (33) 471, 759; (34) 175, 769, 865, 869; (35)
British Isles, (29) 272. Denmark, (27) 391	773, 869; (36) 69, 171, 866; (37) 269, 681, 768;
France and Hungaly, government aid	(38) 676. in New South Wales, (28) 367.
to (90) 579	treatise, (27) 471.
Germany, (27) 7-7; (30) 170.	filaria in blood of, (26) 287.
Great Britain, (27) 772; (38) 471; (38) 71. Great Britain, government aid to, (28)	fish for, (32) 862. for the army, (27) 173.
595.	for the army, freatise, (26) 770.
Hungar), (26) 264, (27) 672; (28) 875.	forest, discussion, (26) 571.
Ireland, (27) 471.	fossil, of South America, (28) 269.
Italy, (26) 770. Japan, (30) 674.	gestation period, determination, (31) 565. glandered, infectivity of organs, (27) 782.
Lombardy, (28) 367	grape mare for, (32) 567.
Netherlands, (31) 596. New Jersey, (30) 476.	great producing families of, (31) 269.
New Jerrey, (30) 470. Philippines (30) 860	growth and body development, (30) 467; (83)
Portugal, (33) 172.	hair and hair wherls, (27) 373.
Prussia, (29) 171; (32) 171.	handbook, (27) 772, 875.
Philippines, (30) 863. Portugal, (38) 172. Prussia, (29) 171; (2) 171. Punjab, (30) 767. Rhenisli Prussia, (29) 875. See Paul (20) 388.	handling and fooding in winter (92) 750
Sao Paulo, (29) 368.	harness wounds, (39) 85. heated, watering, (27) 174. helminths affecting, (27) 583, 888. history and darkly water (31) 760
South Africa, (27) 72; (31) 268.	helminths affecting, (27) 583, 888.
Tunis, (27) 673.	mstory and development, (at) 10s.
Yorkshire, (27) 374. notes, (26) 168.	history in America, (30) 174, 673; (32) 368. hitching devices for, (30) 690.

Horses-Continued.	Horses-Continued.
hoof investigations, (27) 673.	Percheron—Continued.
hoofs, essential points, (27) 876. host of spotted fever tick, (26) 64.	history, (37) 771.
Hungarian, mariasis in, (39) 190.	origin, (27) 72. Philippine, scale of points for, (26) 668.
immunization against—	pneumococcus immunization, (40) 784.
anthrax, (28) 775; (31) 82. forage poisoning, (38) 383, 384; (39) 587. glanders, (27)379, (28) 286, 779; (30) 481, 578,	poisoning by— baley smut. (27) 882.
glanders, (27)379, (28) 286, 779; (30) 481, 578,	corn-cockle, (39) 892.
hemorrhagie soutteemin (28) 881	ground ivy, (32) 278.
influenza, (26) 185; (29, 482, 483	Helenium tenuifolium, (40) 778. horsctail, (29) 281.
influenza, (26) 185; (29, 482, 483 rabies, (30) 282. strangles, (28) 784; (32) 882. tetanus, (27) 381; (29) 781; (31) 486	larkspur, (27) 180; (35)780.
tetanus, (27) 381; (29) 781; (31) 48(Lathyrus sativus, (35) 292. locusts, (30) 755.
trypanosome diseases, (32) 81.	St. John's wort, (32) 278.
tuberculosis, (26) 85. immunized, cause of death in, (40) 88.	wheat, (27) 888. Zygadenus, (33) 177.
improvement, (35) 377; (37) 768.	Przewalskii, (26) 571; (27) 471.
improvement— in Kansıs, (27: 279; (32) 771.	Przewalskii, (26) 571; (27) 471. pull exerted by, (36) 388
in Porto Rico, (31) 664.	pulse irregularities in, (2 + 671, pure-bred—
value of good sires, (37) 366	in Montana, (36) 470.
in Belgium, importation and exportation, (31) 668.	in Prince Edward Island, (27) 72.
Germany, (33) 296, 668. Kongo, (31) 865.	in United States, (20) 269. race characteristics, (28) 672.
Kongo, (31) 865. North Africa, (32) 469.	race, treatise, (34) 869.
Philippines, (36) 172.	raising, (37) 368, 868, (34, 576; (40) 76, raising—
Philippines, ancestry, (26) 666.	in Alaska, (39) 168.
Scotland, Russia, and New Zealand, (38) 595.	Argentina, (38) 576. Denmark, (30) 91.
United States, (31) 73.	the South, (32) 570.
inflammation of brain and spinal cord, (26) 373; (27) 181.	the West, (40) 177. on Indian reservations, (85) 374.
inflammation of deep air passages of, (31) 287.	rations for, (30) 169.
inheritance—	rations for, (30) 169. refuse brewers' yeast for, (33) 568.
in, treatise, (30) 269. of blood-vessel breaking in, (30) 673.	reproductive organs, (27) 369. rotation of blood plasma and serum in, (29) 881.
callosities in. (26) 571.	atting period in. (26) 768.
coat color in, (27) 370, 467, 870, (30 70, 373, 371; (31) 266, 870; (33) 471.	saddle, evolution of type, (27) 772, saddle, of Missouri, (30) 872.
defects in, (34) 576.	salivary digestion studics, (37) 681, 771
nontraumatic eye defects in, (26) 672.	sarcosporidia in, (25) 585. school lessons on, (32) 494 .
racing performance in, (27) 875; (29) 773; (30) 674.	sclerostome parasites of. (36) 280.
inspection and disinfection for interstate ship-	septic diseases in. treatment, (27) 684.
ment, (34) 185. insurance in England, (32) 489.	serum proteins of, (28) 875. shipping fever of, (36) 85; (37) 182.
intestinal flora of, (30) 673. Irish draft, breeding, (26) 369. judging, (27) 373; (33) 71; (36) 597; (37) 94. jumping conformation, (29) 874.	sick, sodium chlorid variations in serum, (40)
iudging, (27) 373; (33) 71; (36) 597; (37) 94.	287. skin temperature, (27) 69.
jumping conformation, (29) 874.	skull measurements, (28) 767, 772.
iabor requirements, (50) 190.	small, in modern warfare, (35) 775. sorrel color in, (36) 270.
lameness in, (36) 280. lateral cartilages of, (30) 784.	sound, selection, (36) 769.
lavocat for, (30) 67. lessons on, (27) 98, 394. lice control on, (40) 684. light breeds, (38) 479.	stable devices for, (31) 291.
lice control on, (40) 684.	standard bred, evolution, (27) 173, steamed ration for, (39) 269.
light breeds, (39) 479.	sterility in, (32) 679. strength of bones, (28) 672.
	Suffolk, origin and characteristics, (26) 165.
limb tendons of, (29) 570. localization of pigment in, (27) 369.	Suffolk, origin and characteristics, (26) 165. sugar for, (33) 467. supply in England and Wales, (39) 274.
maintenance requirements, (26) 665. manual, (26) 165.	supply in England and Wales, (39) 274. susceptibility to tuberculosis, (26) 178.
march of autorn North Carolina (28) 779	teeth, studies, (27) 671.
meaning of breed, race, and type, (28) 469. measurements, (26) 875; (28) 271, 367, 571, 767, 772, 874; (32) 262, 263.	teeth, studies, (27) 674. textbook, (31) 470. Thoroughbred—
772, 874: (32) 262, 263.	breeding. (29) 69.
mechanism of stomach, (28) 307; (30) 673.	breeding and racing, (37) 771.
microorganisms in conjunctival sac of, (26) 176. Mongolian, notes, (26) 668.	breeding experiments, (27) 772.
mucous membrane of, (26) 480.	discussion, (26) 571. fertility in, (28) 772.
nervous diseases of, (31) 286.	pedigrees of, (26) 875.
oat substitutes for, (39) 274. of Camargue, history and characteristics, (28)	toleration to mallein, (27) 883. tractive power of, (29) 86.
367.	treatise. (26) 269, 571, 668, 875; (28) 269; (29) 573; (30) 174; (31) 169, 269; (34) 668, 794; (37) 770.
Catanduanes Islands, (27) 771. East Prussia, measurements, (30) 269.	(30) 174; (31) 109, 209; (34) 608, 794; (37) 770. trotting, of Russia, (30) 571.
Guam, (30) 69.	types of in Europe and India, (29) 171.
South Oldenburg, (32) 263.	typhoid infections, (40) 289. uniform classification for fairs, (33) 697.
Tunis, description, (27) 571. oil cakes for, (38) 572.	v. motor power, treatise, (29) 388.
oil cakes for, (38) 572. on farms in United States, (31) 167.	v. motor trucks, comparison, (29) 489; (30) 387, 388.
origin and distribution. (31) 564. Para grass for, (40) 366.	v. oxen for field work in Russia, (26) 269. v. tractors for farm power, (31) 186; (32) 589
paralysis in. (26) 185.	v. tractors for hauling gravel, (35) 495.
parasitic affections of, (35) 489. Percheron—	value as affected by age, (35) 891. weights and measurements, (31) 269.
at International Livestock Show, (31) 270.	wheat bran for. (40) 670.

```
Horses—Continued.
wild, in Nevada, (26) 369.
wild, of Aigentina, origin, (31) 269.
winter ration for, (32) 462.
work, pasture for, (39) 479.
Zmudan, notes, (27) 875.
                                                                                                                                                                                                                                                                                                                                          Horticulture—Continued.
in New Zealand, (32) 437.
Philippines, (27) 537.
laboratory manual, (33) 899.
north European, notes, (28) 639.
notes, (27) 742.
on German moorlands, (26) 136.
progress in, (31) 239.
relation to climate, (29) 40.
review of literature, (30) 40.
school lessons on, (32) 597; (35) 592.
summer practice course in, (34) 292
 Zmudian, notes, (27) 875.

Horseshoeing—
handbook, (37) 476; (32) 185; (36) 182.
history of, (31) 488.
textbook, (31) 887.
treatise, (29) 292, 682.
Horsetail eradication, (27) 733; (31) 741.
Horsetail, poisoning of horses by, (29) 281.
Horsine, nature and use, (26) 580.
Horticultural—
                                                                                                                                                                                                                                                                                                                                          summer practice course in, (34) 592.
summer practice course in, (34) 292.
teaching, (40) 898.
textbook, (29) 193; (35) 499.
tropical, treatise, (30) 532.
use of electricity in, (26) 136.
Hospital, cooperative, for rural districts, (31) 294.
                        associations in Netherlands, (27) 798.
courses, notes, (29) 41; (31) 897.
courses, sequence and development, (28) 639.
                     demonstration orchards in, (29) 41, 94.
in Austria-Hungary, (29) 100.
in Netherlands, (27) 798; (29) 898; (37) 193.
in United States, (29) 791.
papers on, (27) 200.
report on, (31) 239.
examinations in England, (31) 791.
exhibition at Chelsea, England, (27) 200.
exhibition, royal international, (27) 200.
exhibits for fairs, (30) 197.
experimental fields in South Holland, report, (29) 145.
experimental work in Denmark, (34) 696.
fairs and exhibitions in United States, (28) 796.
flors of Mindanso, (28) 235.
gardens at Lucknow, report, (27) 39, 537; (34)
                                                                                                                                                                                                                                                                                                                                                                    water heating systems, notes, (31) 893.
weather of 1911 in Kansas, (26) 214.
wave in Los Angeles, (30) 417.
wave in Middle West, (30) 417.
wave in southern California, (38) 210.
                         education-
                                                                                                                                                                                                                                                                                                                                             Hotbeds
                                                                                                                                                                                                                                                                                                                                                                  Decs—construction, (31) 393, 791; (34) 494.
construction and management, (28) 694, 838;
(30) 532; (32) 140, 834; (34) 40, 737; (35) 234, 445;
(37) 41; (39) 39.
construction and use, (27) 491; (33) 297.
                                                                                                                                                                                                                                                                                                                                          Hotels-
                                                                                                                                                                                                                                                                                                                                          Hotels—
inspection, (26) 868; (31) 359; (32) 357.
inspection in—
Indiana, (34) 861.
Missouri, (33) 164.
Montana, (33) 67.
South Dakota, (29) 567; (33) 67.
Utah, (33) 165.
Virginia, (29) 766; (32) 661.
law in Florida, (33) 165.
Hothouse milliped, studies, (37) 667.
Hottest region in United States, (34) 118.
House—
                         gardens at Lucknow, report, (27) 39, 537; (34)
                      232.
industries in Germany, (27) 144.
industries in Ghent, Belgium, (29) 338.
Inspection in Colorado, (27) 756.
inspection law in Colorado, (28) 238, 450,
institution at Dahlem, report, (28) 794.
institution in Wales, (26) 496.
institutions in Germany, (30) 898; (31) 392.
institutions in Netherlands, (33) 790.
institution—
                                                                                                                                                                                                                                                                                                                                             House
                                                                                                                                                                                                                                                                                                                                                                  cleaning, rules, (28) 694.
drainage, intercepting traps in, (28) 591.
                      instruction—
in Belgium, (20) 794; (27) 694.
continuation schools, (28) 795.
Netherlands, (27) 694.
Ontario, (30) 595, 596; (34) 196.
Proskau, (32) 691.
Prussia, (30) 798.
notes, (30) 494.
papers on, (40) 195.
investigations—
in Alaska, (33) 637.
in America, (28) 639.
in United States, retrospect, (35) 234.
notes, (40) 42.
                         instruction-
                                                                                                                                                                                                                                                                                                                                                                                         as carrier of Davainea cesticillus, (40) 359, as host of chicken cestode, (35) 577, 683, bacteria carried by, (26) 251; (28) 366, balts and poisons, tests, (31) 455, biology, (33) 860, breeding habits, (26) 861; (31) 455; (36) 87; (39) 861.
                                                                                                                                                                                                                                                                                                                                                                                            chemotropic response of, (35) 466.
control, (26) 758, 899; (30) 758; (31) 158, 455;
(35) 259, 466; (36) 656; (38) 160; (39) 867.
                                                                                                                                                                                                                                                                                                                                                                  fly, control-
in America, (28) 639.
in United States, retrospect, (35) 234.
notes, (40) 42.
law in Arizona, (29) 341.
laws in California, (27) 344; (38) 142.
laws in Washington, (37) 342.
opportunities for educated women, (34) 492.
practice, nutrition basis for, (40) 147.
products, marketing, (26) 741.
products, preservation, (28) 117.
school at Vilvorde, (27) 200.
school for women in France, (30) 200.
school, of Hohenheim, (28) 193.
science, papers on, (39) 541.
societies in Pennsylvania, (37) 888.
societies in Pennsylvania, (37) 888.
societies in United States and Canada, (27) 144.
students, inspection trips for, (35) 498.
varieties, propagation by vegetative means, (35) 151.
winter schools in Germany, (35) 194.
work at Woburn farm, (29) 638.
work, notes, (29) 225.
Horticulture—
and the war, (40) 833.
                                                                                                                                                                                                                                                                                                                                                                                           by maggot trap. (39) 562.
in Cleveland, (31) 654.
in Minnesota, (28) 653.
in New Jersey, (32) 551.
                                                                                                                                                                                                                                                                                                                                                                                      in New Jersey, (32) 551.

destruction, (27) 457.
development and auto-destruction in horse manure, (35) 660.
dispersion under city conditions, (36) 56.
dispersion under city conditions, (36) 56.
dispared of flight, (30) 159, 757, 855; (31) 352.
effect of metamorphosis on bacteria, (29) 357.
stremination, (30) 757.
food preference, (36) 855.
handbook, (28) 860; (29) 656; (34) 855.
hibernation, (29) 559; (30) 757; (34) 254; (35)
259; (36) 553; (38) 61, 282; (39) 263.
intermediate host of Monopylidium infundibulum, (26) 561.
larvae, destruction, (33) 455.
larvae, fate of Ankylostoma ova in, (39) 468.
larvae, migratory habit, (30) 756.
larvae, parasites of, (30) 457, 552.
lesser, at Leeds, England, (30) 658.
life history and remedies, (37) 560, 853.
meggot trap, (33) 156.
notes, (26) 63, 345; (33) 650.
oviposition as affected by chemicals, (38) 563.
parasite of, (29) 359.
                        rticulture—
and the war, (40) 833.
elementary, manual, (40) 795.
encyclopedia, (32) 436; (36) 137.
European, application of science in, (29) 41.
extension work, (40) 833.
graduate work in, (35) 498, 591.
handbook, (27) 644; (31) 532.
home projects in, (40) 296.
in America, (39) 541.
Belgium, (30) 141.
Denmark, (29) 693.
Netherlands, (28) 838.
                                                                                                                                                                                                                                                                                                                                                                                            parasite of, (29) 359.
persistence of Bacillus pyocyaneus in, (26)
                                                                                                                                                                                                                                                                                                                                                                                            poisons and repellents for, (33) 860; (40) 859.
predacious enemies of, (30) 554.
```

```
House-Continued.
                                                                                                                                                                                                                                                                                          Houses-Continued.
                                                                                                                                                                                                                                                                                                               planning and furnishing, (33) 495.
regulation of humidity in, (30) 490.
screening, (31) 292.
                     preoviposition period, (34) 654,
pupation and overwintering, (33) 656.
fly, relation to—
                                                                                                                                                                                                                                                                                           Housewires, cooperation among, (32) 89.
Housework, manual, (39) 195.
Housing and town planning, manual, (31) 293.
Housing in rural districts, treatise, (33) 893.
Houstonia coerules as affected by top dressing.
                                         relation to—city garbage, (28) 255.
diseases, (31) 852.
helminthic diseases, (36) 657.
human diseases, (27) 862.
leprosy, (29) 457; (31) 851; (36) 554.
plague, (33) 456.
plague-like disease of rodents, (34) 355.
poliomyelitis, (28) 753; (38) 262.
public health, (26) 61.
surra, (31) 777.
temperature, (33) 860.
                                                                                                                                                                                                                                                                                           Hover flies, economic importance, (40) 356. "Huaicu," notes, (31) 285. Huckleberries—
                                                                                                                                                                                                                                                                                           Huckleberries—
acidity, (32) 110; (37) 715.
breeding experiments, (36, 443
cost of distribution, (29) 492.
drying, (37) 599.
garden, cell number in, (27) 783.
wood structure, (39) 243.
Huckleberry juice, preparation, (33, 317.
Hudu tondli tubers, analyses, (31) 366.
Huisache girdler, studes, (33) 63.
Huisache, notes, (29) 441.
                       fly-
                                          response to ammonia and other substances, (36) 156.
response to foods and their fermentation products, (37) 159; (39) 762.
seasonal abundance in Montana, (37) 764
                                             sense reactions, (40) 859.
studies, (37) 655; (38) 362.
transmission of anthrax by, (26) 678; (28)
                                                                                                                                                                                                                                                                                              Human-
                                                                                                                                                                                                                                                                                                                 man—duodenal contents, lipolytic properties, (31) 761. energy, rational utilization, (31) 561. jaw, power of, (26) 360. nutrition, treatise, (32) 663; (33) 662. serums, antiguinea-pig hemolytic activity, (35) 270.
                                             transmission of trypanosomes by, (26) 656,
                                             884; (27) 457.
transmission of typhoid fever by, (28) 356;
                      transmission of typinoid lever by, (28) 356; (37) 854. treatise, (33) 561; (35) 57. wind-forced migration, (39) 861. fumigation experiments, (39) 161. sanitation, manual and bibliography, (28) 566. servants, training, (31) 490.
                                                                                                                                                                                                                                                                                                                   throat, streptococci from, (28) 674.
                                                                                                                                                                                                                                                                                             Humates-
                                                                                                                                                                                                                                                                                                                 assimilation by plants, (26) 32.
effect on plant growth, (30) 323.
soluble, as source of nitrogen for plants, (30) 721
servants, training, (31) 490.

Household—
accounting—see also Home economics.
course in, (34) 94.
notes, (33) 662.
on the farm, (39) 594.
accounts, manual, (40) 659.
biology, primer, (38) 898.
budgets, blanks for, (34) 257.
business of, treatise, (40) 796.
chemistry, textbook, (40) 493.
conveniences, (29) 362; (31) 186, 299; (34) 789;
(29) 165.
                                                                                                                                                                                                                                                                                                                  soluble, effect on nitrogen fixation, (30) 431; (31)
                                                                                                                                                                                                                                                                                                                           516.
                                                                                                                                                                                                                                                                                              Humic acid-
                                                                                                                                                                                                                                                                                                                 mic acid—
assimilation by plants, (26) 32.
behavior toward anions, (34) 324.
nature of, (35) 120.
notes, (28) 409, 518; (36) 622.
                                                                                                                                                                                                                                                                                                                  bodies, formation from organic substances, (34)
                                                                                                                                                                                                                                                                                                                           515.
                                                                                                                                                                                                                                                                                             fertilizers, nitrifying capacity, (28) 124.
substances, formation, (32) 19.
Humicola n.g. and n.spn., descriptions, (34) 228.
Humidification, artificial, in textle mills, (31) 70.
                                   (39) 165.
                      (84) 94. (32) 597; (34) 94. (50) 616. (36) 617. (37) 62. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (38) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617. (68) 617.
                                                                                                                                                                                                                                                                                               Humidity
                                                                                                                                                                                                                                                                                                                  and vapor pressure over United States, (37) 314. as affected by forests, (29) 842; (31) 415. coefficient of, (29) 626. determination, (27) 315; (31) 22. determination in greenhouses, (33) 638.
                       insects—
hydrocyanic acid gas for, (32) 846.
notes, (26) 59; (30) 462; (37) 459.
remedies, (32) 650; (38) 258.
treatise, (32) 449.
management, teaching, (34) 92.
management, tertbook, (31) 293.
mechanics, treatise, (36) 891.
physics, teaching, (40) 492.
power conveniences, notes, (31) 186.
science degree course, (20) 190.
                                                                                                                                                                                                                                                                                                               determination in greenhouses, (33) effect on—alfalfa, (31) 629. gaseous metabolism, (27) 869. grapes, (29) 839. heat transmission, (38) 87. human body, (34) 464. insects, (37) 254. metabolism, (31) 362, 363. seedlings, (33) 826. the organism, (32) 765. in Death Valley, (29) 722. measurement, (34) 416. of air of mines, (23) 121. regulation in houses, (30) 490. regulator, description, (29) 107. regulator, description, (29) 107.
                         science, degree course, (39) 199.
thrift in, (40) 96.
waste, analyses, (38) 625, 620.
waste, disposal, treatise, (34) 790.
waste, disposal, treatise, (34) 790.
  waste, disposal, treatise, (34) 790.

Housekeeping—
conditions among Pennsylvania Germans, treatise, (34) 257.
handbook, (28) 763.
instruction in, (28) 599, 795.
notes, (22) 461; (31) 299.
school at Mährisch-Schönberg, (31) 392.
schools in Norway, (27) 195; (29) 597; (32) 92; (37) 294; (38) 794.

textbook, (27) 96; (33) 598.

House—
                                                                                                                                                                                                                                                                                                                  relation to—
forests, (36) 843.
                                                                                                                                                                                                                                                                                             forests, (38) 843.
greehouse culture of roses. (34) 44.
haze, fog, and visibility, (29) 120.
plant transpiration, (31) 222.
seasonal, effect on structure of tropical plants,
(31) 221.
studies, (33) 806.
Humification, notes, (36) 622.
                      uses—
anchoring in overflow districts, (31) 488.
dampness in, (33) 490.
disinfection, (32) 486.
disinfection with formaldehyde, (32) 683.
fire hazard in, (38) 687.
for prairie farms, (35) 680.
fumigation, (28) 352; (39) 640; (33) 59.
heating, (26) 299; (31) 93; (34) 789; (35) 588.
heating boilers, tests, (31) 489.
heating with electricity, (33) 67, 481.
modern improvements for, cost, (31) 291.
                                                                                                                                                                                                                                                                                              Humin-
                                                                                                                                                                                                                                                                                                                 formation, (36) 412. nitrogen, determination in feeding stuffs, (40)
                                                                                                                                                                                                                                                                                          310.
nitrogen of protein hydrolysis, origin, (35) 311;
(36) 108; (38) 201.
notes, (27) 671.
of protein hydrolysate, (39) 611.
substances, treatise, (34) 708.
Hummingbird, Costa's, (40) 646.
```

```
Humulol from hops, (31) 311.
Humulus lupulus, sterile dwarfs in, (31) 130, 332.
                                                                                                                                                                                                                                                                                Hunting, review of literature, (27) 845; (30) 238; (33).
                                                                                                                                                                                                                                                                                        49.
   Humus
                                                                                                                                                                                                                                                                                Hurricane
                 mus—
acids—
and colloids of, (33) 609.
chemistry of, (26) 123.
effect on soil hacteria, (31) 521.
of Sphagnum turf, (27) 322.
review of literature, (28) 119.
studies, (26) 720; (29) 121; (35) 628.
stdion of neutral salts on, (39) 514.
analyses, (35) 128.
as affected by crop rotation, (27) 821.
guide to soil fertility, (37) 718.
source of carbon for green plants, (35) 131.
source of energy in introgen fixation, (32) 515.
assimilation by higher plants, (27) 26.
chemistry of, (30) 122.
chlorin index, (40) 619.
colloid chemistry, (27) 417; (32) 813.
constituents, (27) 307; (28) 29.
determination, (28) 19; (30) 205.
determination in soils, (26) 406; (27) 496, 499;
(28) 123, 203, 204, 312; (29) 718, 796; (31) 110,
111; (33) 205; (34) 806; (35) 513; (36) 614.
distribution in California soils, (25) 107; (29)
415.
effect on—
                                                                                                                                                                                                                                                                                                 riteans—
at Pensacola, Fla., (26) 214.
Pacific, of September, 1915, (34) 413.
tracks, 1912–1915, (36) 419.
tropical, in Louisiana, (34) 418; (38) 511.
                     acids-
                                                                                                                                                                                                                                                                                Hurricanes
                                                                                                                                                                                                                                                                                                 effect on upper air current, (34) 413.
in Jamaica, (34) 615.
notes, (36) 19, 719.
West Indian, (29) 120; (38) 812.
                                                                                                                                                                                                                                                                             nyacintn—
beans, yields, (39) 434.
bulbs, culture experiments, (30) 145.
bulbs, selection and planting, (30) 795.
diseases, treatment, (35) 51.
pollen, parasite of, (31) 641.
yellow disease, notes, (27) 45; (40) 844.
Hyacinths—
                                                                                                                                                                                                                                                                                Hyacinth-
                                                                                                                                                                                                                                                                                                  as affected by stimulants, (26) 731.
nematodes affecting, (30) 448; (31) 450.
                                                                                                                                                                                                                                                                                Hyadaphis-
                                                                                                                                                                                                                                                                              Hyadaphis—
pastinacae, new name for, (39) 657.
umbellulariae n.sp., description, (26) 859.
Hyalodema evansii, notes, (27) 51.
Hyalomaa acgyptium—
hereditary infection in, (30) 460.
notes, (29) 58.
relation to Mediterranean coast fever, (34) 384
Hyalopeplus pellucidus, notes, (27) 155.
Hyalopterus—
aundius—
aundius—
aundius—
                    effect on—
availibility of phosphoric acid, (26) 321.
Azotobacter, (38) 329.
nitrogen assimilation, (31) 120.
plant growth, (29) 417.
sandy soils, (31) 732.
solubility of phonolite, (29) 319.
weathering of silicates, (28) 322.
extract, effect in water culture, (28) 817.
fertilizing value, judging, (37) 216.
forest, effect on plant growth, (32) 618.
forest, use in agriculture, (29) 622.
formation, (35) 627; (36) 115; (38) 26, 27, 720.
formation—
                      effect on-
                                                                                                                                                                                                                                                                            auundins—
cat-tail as summer host, (37) 461.
on Rosacene, (32) 848.
remedies, (40) 161.
prumi in Egrpt, (38) 158.
prumi, remedies, (32) 649.
Hyalopus geophilus n.sp., description, (33) 447.
Hybrid, graft, in apples, (30) 140.
Hybridization—see also Breeding, Animal breeding, Plant breeding, and specific animals and plants.
and mutation as independent phenomena, (32) 326.
effect on maturity and word in
                      formation-
                     formation—
and decomposition, (31) 120.
from sugar, (34) 515.
from vegetable compounds, (34) 516, 619.
in soils, (34) 811.
of black material of, (30) 28.
forming materials, effect on soil bacteria, (37)
                                                                                                                                                                                                                                                                                                  effect on maturity and yield in corn, (39) 31. effect on water requirements of plants, (33)
                                                                                                                                                                                                                                                                         r26.
experiments with—
barley, (28) 431.
fruits, (28) 435.
rye and wheat, (30) 733.
strawberries, (29) 742.
tobacco, (27) 839.
likeness and relationship in, (26) 365.
mutations through, (33) 758.
natural, in Betula, (39) 30.
of animals in United States, (26) 163.
rôle in evolution, (37) 432.
spontaneous, in plants, (31) 823.
Hybridizing, analytical, paper on, (28) 570, 574.
Hybrids—
animal, bibliography (28) 162
                     120.
forming substances, rôle in soil absorption, (32)
                    stituing substances, fole in soil absolution, (c. 319.
function in cultivated soils, (26) 422.
importance of, (31) 215.
in California soils, (30) 714; (34) 324.
dark soils, (33) 720.
Hawaiian soils, studies, (27) 7.
mulched basins, (38) 814.
soils, nature and maintenance, (30) 695.
loss from soils, (28) 217.
nature of, theories concerning, (32) 718.
nitrogen, and carbon ratios in soils, (28) 217.
notes, (37) 629.
of acid and alkaline peats, (30) 715.
of arid soils, nitrogen content, (34) 719.
of loess soils, (34) 806; (35) 511.
phosphoric acid of soils, (37) 121.
problem in dry farming, (28) 322.
production from manures, (37) 20.
relation to—
                                                                                                                                                                                                                                                                             Hybrids—
animal, bibliography, (26) 163.
animal, fertility of, (26) 163.
equus, notes, (26) 269.
first generation, variation in, (30) 328.
graft, connecting threads in, (30) 433.
graft, description, (27) 31; (30) 329, 740.
graft, notes, (32) 726.
pigeon-dove, sterility in (27) 769.
Hychlorite, toxicity, (39) 586.
                     relation to—
bacteria, (28) 727.
soil bacteria, (32) 721.
soil fertility, (36) 723; (38) 421.
review of investigations, (28) 518.
rõle in plant nutrition, (36) 31.
silicate, fertilizing value, (34) 19.
soils as affected by fertilizers, (28) 520.
soluble, effect on soil bacteria, (37) 517.
studies, (28) 203; (36) 512, 816.
substances, effect on weathering of silicates, (29) 123.
                         relation to-
                                                                                                                                                                                                                                                                              Hydnum—coralloides, fruiting forms, (32) 341.
coralloides, notes, (27) 653.
septentrionale, notes, (28) 56.
Hydracids, effect on starch, (26) 107.
Hydraceis micacea as a garden pest, (35) 853.
                                                                                                                                                                                                                                                                                Hydraulic-
                                                                                                                                                                                                                                                                                                 computations, definitions and equivalents, (28) 186.
                      sugar, preparation, (36) 625. sugar, relation to soil "sickness," (28) 520.
                                                                                                                                                                                                                                                                                                 conversion tables and equivalents, (38) 187. development and equipment, treatise, (37) 287. ram, automatic, description, (27) 386. ram, notes, (31) 291.
   Hunger—
control in health and disease, treatise, (36) 363.
nature of, (33) 566.
sensation of, (28) 864.
studies, (37) 166; (40) 270.
theories concarning, (27) 270.
Hunterellus hookeri—
life history, (26) 863.
notes, (37) 360.
                                                                                                                                                                                                                                                                                                  rams
                                                                                                                                                                                                                                                                                                                     construction and operation, (34) 885.
for farm water supplies, (35) 294.
installation and operation, (27) 589; (32) 87.
investigations, (28) 683
```

Hydraulic-Continued.	Hydrocyanic acid—Continued.
rams—continued	gas—continued.
notes, (27) 292.	insecticidal value, (34) 252.
types of, (36) 89. Hydraulics—	poisoning by, (39) 161.
in United States, (27) 188.	toxicity, (26) 864. use against household insects, (32) 846; (34)
primer, (27) 385.	854.
problems, notes, (27) 789.	use against mill insects, (30) 155.
textbook, (37) 584.	in Cassava, (33) 260, 665; (37) 168.
treatise, (28) 288, 588; (31) 383, 587; (35) 786. Hydrazin—	cherry laurel, studies, (29) 133.
effect on blood fat and blood sugar, (36) 164.	flax, (28) 477; (30) 380. flaxseed screenings, (26) 86.
sulphate, effect on hemolytic reaction, (36) 878.	fungi, (26) 228.
Hydrellia griseola, notes, (27) 560.	grains in hot regions, (30) 30.
Hydrin, effect on butter and margarin, (26) 778.	haricot beans, (33) 866.
Hydriodic acid salts, use against tuberculosis, (29) 481.	Isopyrum spp., (39) 27. Johnson grass, (29) 869.
Hydriomena spp., in Vancouver Island, (34) 651.	kafir and sorghum, (30) 584.
Hydrocampa (Nymphula) nymphaeata, notes, (37)	leguminous plants, (37) 28.
847.	Ornithopus spp. (34) 525
Hydrocarbons—	plants, (27) 635; (28) 36, 429; (29) 713; (31) 520; (39) 332.
determination, (28) 511. fatty, development of fungion, (29) 133.	520; (39) 332.
heavy, detection, (29) 529.	seed and stone fruits, (27) 11. sorghum, (27) 77; (33) 234; (35) 340; (40) 804
isolation from plants, (26) 106.	Tridens flavus, (35) 413
petroleum, absorption in the intestine, (29) 768.	white clover, (30) 36.
Hydrochelidon nigra surinamensis, notes, (27) 355.	liberation from linseed, (35) 167.
Hydrochinon, effect on cyanogen formation in	production by bacteria, (30) 802.
plants, (28) 527. Hydrochloric acid—	relation to maturity of almonds, (26) 228. rôle in plants, (28) 128.
effect on—	utilization by plants, (31) 730.
action of maltase, (28) 504.	Hydroecia micacea, notes, (26) 353.
bread fermentation, (27) 268.	Hydroelectric—
hemolytic reaction, (36) 878.	development at Tallulah Falls, Ga., (27, 316,
mineral excretion of dogs, (38) 570. plants, (37) 224.	development in California, (34), 682.
rotatory power of sucrose and invert sugar,	energy for irrigation pumping, (27) 889.
(37) 802.	power, treatise, (36) 783. works in United States, (27) 188.
sprouting of potatoes, (32) 829.	
estimation, colorimetric scale for, (40) 505.	Hydrogen— analysis, apparatus for, (40) 111.
forcing plants with, (28) 837. leaf injury or loss due to, (35) 243.	chlorid gas, effect on diastase and invertase, (31)
salts, use against tuberculosis, (29) 481.	806.
toxicity, (28) 662.	cyanid, detection, (26) 206.
Hydrochloroplatinic acid, preparation, (37) 409.	cyanid, determination, (28) 310.
Hydrocyanic acid—	cyanid, in bird's foot clover, (27) 30. determination, (37) 803.
determination, (32) 300; (34) 11; (35) 413, 503; (40) 804.	dioxid, effect on soils, (28) 123,
determination in—	dioxid solutions, examination, (27) 208. electrode, description, (34) 712, 804.
beans, (27) 310; (36) 714.	electrode, description, (34) 712, 804.
feeding stuffs, (33) 506.	electrode potential as affected by pressure, (36)
plants, (30) 709.	503. peroxid—
sorghum, (37) 113. effect on—	 action on lactic acid and glucose. (28) 202.
catalytic power of soils, (28) 118.	as food preservative, (30) 364. as oxidizer, (37) 409. as seed sterilizer, (29) 844.
hydrolysis in plants, (26) 531.	as oxidizer, (37) 409.
plants, (39) 224; (40) 745.	detection in milk, (34) 507.
evolution from laurel leaves, (26) 228.	peroxid, effect on—
evolution from linseed meal, (27) 276. for fumigation, preparation, (39) 161.	ampless of human mills (20) 211
formation—	autolysis of plant proteins, (26) 801.
from proteins, (30) 802.	autolysis of plant proteins, (26) 801. ferments, (25) 112.
in feeding stuffs, (28) 377.	germination of seeds, (26) 820; (27) 201. glycerol, (29) 309.
linseed cake, (28) 377, 378.	guaiac reaction in milk, (27) 507.
plants, (31) 826. seeds, (27) 132; (35) 332.	invert sugar, (27) 812.
fumigation of plants with, (31) 57.	milk, (29) 806.
gas—	milk tests for formaldehyde, (30) 414. seeds, (27) 132.
as fumigant, (35) 53. as soil fumigant, (32) 245; (38) 457.	peroxid, hydrolytic action, (27) 712.
detection, (38) 258.	peroxid, persistence in milk, (35) 11.
gas, effect on—	peroxid, saccharification of starch by, (28) 19,
baking quality of flour, (26) 357.	609. preparation and purification, (40) 607.
cotton, (35) 254.	sulphid—
cucumbers, (30) 142.	effect on concrete, (28) 589.
insects and plants, (37) 660. leaf-roller eggs. (40) 162.	generator, description, (39) 714.
leaf-roller eggs, (40) 162. plants, (33) 522; (38) 330.	precipitation under pressure, (37) 712.
scale insect eggs, (33) 855.	Hydrogenation— catalytic, in presence of carbon monoxid, (38)
subterranean larvae, (40) 256.	409.
tobacco, (31) 747. gas—	of oils, treatise, (32) 416.
furnigating greenhouses with, (29) 41.	Hydrogen-ion concentration-
fumigating machines for, (33) 556. fumigation, (27) 356; (28) 352; (29) 640; (34)	determination, (35) 110; (36) 13, 111; (37) 50 6;
fumigation, (27) 356; (28) 352; (29) 640; (34)	(38) 225; (39) 9.
653; (35) 678; (38) 155, 158, 458.	effect on germination of Gramineae, (38) 24. effect on growth of barley seedlings, (38) 736.
generation by portable machines, (34) 191. generator, (39) 256.	treatise. (32) 801.
G	

Hydrogen-ions, effect on—	Hymenochaete— agglutinans, parasitism. (32) 640.
baking quality of flour, (27) 166. metabolism of Aspergillus niger, (30) 630.	noxia, notes. (26) 851; (27) 451; (28) 241; (29)
Hydrolysis, effect on nitrogen distribution in norm,	noxia, notes. (26) 851; (27) 451; (28) 241; (29) 647, 749; (31) 55; (33) 449, 741; (34) 442, 540, 744, 849; (35) 45, 251, 551; (36) 347, 746, 846, 851, 852; (33) 52, 53, 354; (39) 153, 849; (40)
(38) 310. Hydrolyging agents affect on starch (26) 107	744, 849; (30) 40, 201, 001; (30) 347, 746, 846, 851, 859; (38) 52, 53, 354; (39) 153, 840; (40)
Hydrolyzing agents, effect on starch, (26) 107. Hydrometeors, classification, (36) 19; (37) 115.	53, 249, 349.
Hydrometer for latex, (31) 444; (32) 48.	noxia on cacao roots. (37) 349.
Hydrophilus piceus, digestive ferments of, (28) 657. Hydrophobia, see Rabies.	noxia, on tea roots, (37) 52. noxia, treatment. (29) 552.
Hydroquinone—	rubiginosa, studies, (32) 845.
effect on soil microorganisms, (31) 27.	Hymenolepis—
sterilization of soils by, (32) 816. utilization by plants, (36) 329.	diminuta and H. nana siebold. life history, (37)
Hydroscaphidae, catalogue, (26) 560.	n.spp., descriptions, (26) 561.
Hydrotaea—	spp., dissemination by flies. (30) 659.
dentipes, studies, (30) 457, 552.	Hymenomycetes—
meteorica ili North America, (35) 759.	association with woody forest plants, (37) 727.
Hydrotaeas, new, (40) 263.	fruiting bodies, vitality, (30) 350. on fruit trees, (37) 47.
meteorica in North America, (35) 759. spp., studies, (37) 764. Hydrotaeas, new, (40) 263. Hydrotopism in lupine roots, (34) 223. α-bydroxybehenic acid, notes, (31) 312.	relation to Uredinales, (28) 244.
β -Hydroxyglutamic acid, structure, (40) 611.	Hymenoptera—
Hydroxylamin—	American. notes, (36) 261.
assimilation by plants, (26) 32.	chalcidoid, notes, (36) 60. chalcidoidea, Australian, (39) 154.
hydrochlorid, assimilation by plants, (26) 32.	described by Abbé Provancher, lectotypes of,
Hydroxyl-ion concentration, effect on growth of barley seedlings. (38) 736.	(39) 663.
barley seedlings, (38) 736. Hydroxyl-ions, effect on clay, (31) 216; (32) 318.	description, (36) 759. leaf oviposition, (37) 162.
w-Hydroxymetnyl turturaldenyde, production from	microsporidiosis in, (27) 450.
carbohydrates, (34) 11.	new, (26) 63; (30) 59, 661, 758; (31) 355; (36) 260. new pteromalid chalcidoid genus from North
Hydrotypyridins— antineuritic properties, (35) 711; (40) 271.	America, (35) 857.
curative forms, (37) 411.	nidification, biology, and parasites, (27) 656.
Hydrozetes, revision, (38) 460.	of Australia, (28) 563. British India. (37) 765.
Hygiene— and diet in schools, treatise, (29) 363.	Connecticut. (37) 765.
and preventive medicine, treatise, (38) 882.	Georgetown Museum, British Gillana, (26)
and sanitation, military, textbook, (34) 369.	63, 353; (32) 758. Guam. (31) 62.
bibliography, (32) 760. domestic, papers on, (30) 763.	india, (31) 159.
nandbook, (28) 461; (30) 63, 763.	parasitic—
in rural, suburban, and summer nomes, (31) 387.	habits, (34) 363. immigrant in Hawaii, (40) 265.
in schools, report on, (31) 261. instruction in Germany, (26) 794.	new. (39) 566, 662, 663; (40) 61, 458, 761. of Guiana, (39) 869.
public, legislation concerning, (26) 359.	of Gulana, (39) 869. on lac and sal insects. (31) 62.
race, notes, (27) 70. treatise, (26) 65, 356; (40) 694, 866, 899.	polyembryony, (40) 265.
tropical, treatise, (28) 78.	predacious and parasitic, notes, (36) 456, 461
veterinary, treatise, (32) 79.	treatise, (26) 352. vespoid and sphecoid, in Guatemala, (34) 857.
Hygrometer—	W. M. Giffard collection, (37) 855.
chemical, description, (34) 208. kite, improved, (37) 513.	Hymenopterous—
Hygrometry, improved methods, (37) 16; (38) 210.	egg parasites, adult habits, (40) 459.
Hylastes ruber n. sp., description, (35) 856.	parasites, minute, handling, (29) 658. parasites, relation of food to reproduction and
Hylastes trifolli, notes, (31) 848. Hylastinus obscurus, see Clover root-borer.	longevity in, (26) 457.
Hylecoetus—	wing, horismology, (35) 262. Hymenoxys floribunda, description, (39) 386.
dermestoides, structure and biology, (28) 858. sp., notes, (27) 458.	Hyoscyamus niger—
Hylemyia—	breeding experiments, (30) 631.
antiqua, see Onion maggot.	oil, analyses, (36) 803. Hypamblys albopictus, life history, (32) 352.
anamatata hislamu (95) 480	Hypera punctata, see Clover leaf weevil.
coarctata, notes, (27) 453, 552, 560; (31) 57; (32) 350; (40) 547.	mypera punctata, ace Ciover lear weevit.
	Hyperablys albopictus, notes, (30) 362.
Hyles (Deilephila) euphorbiae, notes, (28) 658.	Hyperablys albopictus, notes, (30) 362. Hyperalius caliroae, notes, (26) 153.
Hylesinus—	Hyperablys albopictus, notes, (30) 362. Hyperallus caliroae, notes, (26) 153. Hyperaspis—
Hyles (Deliephia) euphordiae, notes, (28) 656. Hyleshus— n. spp., descriptions, (30) 757.	Hyperablys albopictus, notes, (30) 362. Hyperallus calirose, notes, (26) 153. Hyperaspis— binotata larva, description, (36) 658. binotata, studies, (35) 261.
Hyles (Deliephia) euphordiae, notes, (28) 656. Hyleshus— n. spp., descriptions, (30) 757.	Hyperablys albopictus, notes, (30) 362. Hyperallus caliroae, notes, (26) 153. Hyperaspis— binotata larva, description, (36) 658. binotata, studies, (35) 261. lateralis, notes, (26) 149.
Hylesinus—	Hyperablys albopictus, notes, (30) 362. Hyperallus caliroae, notes, (26) 153. Hyperaspis— binotata larva, description, (36) 658. binotata, studies, (35) 261. lateralis, notes, (26) 149. Hyperdiplosis producta n.sp., description, (27) 57.
Hylesinus— n. spp., descriptions, (30) 757. oleiperda, notes, (30) 455. opaculus, notes, (27) 688. spp., notes, (27) 59. Hylobius—	Hyperablys albopictus, notes, (30) 362. Hyperalus calirose, notes, (26) 153. Hyperaspis— binotata larva, description, (36) 658. binotata, studies, (35) 261. lateralis, notes, (26) 149. Hyperdiplosis producta n.sp., description, (27) 57. Hypericum perforatum— chemistry and anatomy of. (34) 522.
Hylesinus— n. spp., descriptions, (30) 757. oleiperda, notes, (30) 455. opaculus, notes, (27) 658. spp., notes, (27) 59. Hylobius— abletis, bionomics, (28) 861.	Hyperablys altopictus, notes, (30) 362. Hyperaltus caliroae, notes, (26) 153. Hyperaspis— binotata larva, description, (36) 658. binotata, studies, (35) 261. lateralis, notes, (26) 149. Hyperdiplosis producta n.sp., description, (27) 57. Hypercum perforatum— chemistry and anatomy of. (34) 522. poisoning of horses by, (32) 278.
Hylesinus— n. spp., descriptions, (30) 757, oleiperda, notes, (30) 455, opaculus, notes, (37) 658, spp., notes, (27) 59. Hylobius— abletis, bionomics, (28) 861, abletis, notes, (32) 852, abletis, studies, (30) 856.	Hyperablys albopictus, notes, (30) 362. Hyperaspis— binotata larva, description, (36) 658. binotata, studies, (35) 261. lateralis, notes, (26) 149. Hyperdiplosis producta n.sp., description, (27) 57. Hyperdeum perforatum— chemistry and anatomy of. (34) 522. poisoning of horses by, (32) 278. Hypermalus rusticus, notes, (28) 358.
Hylesinus— n. spp., descriptions, (30) 757. oleiperda, notes, (30) 455. opaculus, notes, (27) 658. spp., notes, (27) 59. Hylobius— abletis, bionomics, (26) 861. abletis, notes, (32) 852. abletis, studies, (30) 856. pales affecting conifers in New England, (35)	Hyperablys albopictus, notes, (30) 362. Hyperaspis— binotata larva, description, (36) 658. binotata, studies, (35) 261. lateralis, notes, (26) 149. Hyperdiplosis producta n.sp., description, (27) 57. Hyperdum perforatum— chemistry and anatomy of. (34) 522. poisoning of horses by, (32) 278. Hyperallus rusticus, notes, (28) 356. Hyperodes fragariae n.g. and n.sp., description, (33) 159.
Hylesinus— n. spp., descriptions, (30) 757. oleiperda, notes, (30) 455. opaculus, notes, (27) 658. spp., notes, (27) 59. Hylobius— abletis, bionomics, (26) 861. abletis, studies, (30) 852. abletis, studies, (30) 856. pales affecting conifers in New England, (35) 747.	Hyperablys albopictus, notes, (30) 362. Hyperaspis— binotata larva, description, (36) 658. binotata, studies, (35) 261. lateralis, notes, (26) 149. Hyperdiplosis producta n.sp., description, (27) 57. Hyperdicum perforatum— chemistry and anatomy of. (34) 522. poisoning of horses by, (32) 278. Hypermallus rusticus, notes, (28) 356. Hyperoides fragariae n.g. and n.sp., description, (33) 159. Hyperplasia, production in plants, (31) 326.
Hylesi (Datephia) etiphorbiae, notes, (28) 856. Hylesinus— n. spp., descriptions, (30) 757. oleiperda, notes, (30) 455. opaculus, notes, (27) 658. spp., notes, (27) 59. Hylobius— abietis, bionomics, (26) 861. abietis, notes, (32) 852. abietis, studies, (30) 856. pales affecting conifers in New England, (35) 747. Hylotupes juniperi n.sp., description, (34) 254.	Hyperablys altopictus, notes, (30) 362. Hyperaspis— binotata larva, description, (36) 658. binotata, studies, (35) 261. lateralis, notes, (26) 149. Hyperdiup perforatum— chemistry and anatomy of. (34) 522. poisoning of horses by, (32) 278. Hypermallus rusticus, notes, (28) 356. Hyperoides fragariae n.g. and n.sp., description, (33) 159. Hyperplasia, production in plants, (31) 326. Hypentalia cunea, see Webworm, fall.
Hyles (Deutephia) euphorbae, notes, (28) 856. Hylesinus— n. spp., descriptions, (30) 757. oleiperda, notes, (30) 455. opaculus, notes, (27) 688. spp., notes, (27) 59. Hylobius— sbletis, bionomics, (28) 861. abletis, notes, (32) 852. abletis, studies, (30) 856. pales affecting conifers in New England, (35) 747. Hylotrupes juniperi n.sp., description, (34) 254. Hymenia— fascialis, notes, (26) 259; (28) 158; (29) 456.	Hyperablys altopictus, notes, (30) 362. Hyperaspis— binotats larva, description, (36) 658. binotats, studies, (35) 261. lateralis, notes, (26) 149. Hyperdiplosis producta n.sp., description, (27) 57. Hypericum perforatum— chemistry and anatomy of. (34) 522. poisoning of horses by, (32) 278. Hypermallus rusticus, notes, (28) 356. Hyperoides fragariae n.g. and n.sp., description, (33) 159. Hyperplasia, production in plants, (31) 326. Hyphantria cunea, see Webworm, Iall. Hypholoma fasciculare, composition, (26) 750. Hyphomyetes—
Hyles (Deucephia) cupnorbiae, notes, (28) 656. Hylesinus— n. sp., descriptions, (30) 757. oleiperda, notes, (30) 455. opaculus, notes, (27) 658. spp., notes, (27) 59. Hylobius— abletis, bionomics, (28) 861. abletis, notes, (32) 852. abletis, studies, (30) 856. pales affecting conifers in New England, (35) 747. Hylotrupes juniperi n.sp., description, (34) 254. Hymenia— fascialis, notes, (26) 250; (28) 158; (29) 456. fascialis, studies, (26) 249.	Hyperablys albopictus, notes, (30) 362. Hyperaspis— binotata larva, description, (36) 658. binotata, studies, (35) 261. lateralis, notes, (26) 149. Hyperdiplosis producta n.sp., description, (27) 57. Hyperdum perforatum— chemistry and anatomy of. (34) 522. poisoning of horses by, (32) 278. Hypermallus rusticus, notes, (28) 356. Hyperoides fragariae n.g. and n.sp., description, (33) 159. Hyperplasia, production in plants, (31) 326. Hyphamytris cunea, see Webworm, fall. Hyphomycets— enzyms in, (30) 241, 805.
Hyles (Deucephia) cuphorbiae, notes, (28) 656. Hylesinus— 1. spp., descriptions, (30) 757. oleiperda, notes, (30) 455. opaculus, notes, (27) 658. spp., notes, (27) 59. Hylobius— abletis, bionomics, (28) 861. abletis, notes, (32) 852. abletis, studies, (30) 856. pales affecting conifers in New England, (35) 747. Hylotrupes juniperi n.sp., description, (34) 254. Hymenia— fascialis, notes, (28) 250; (28) 158; (29) 456. fascialis, studies, (26) 249. perspectalis, notes, (28) 864. perspectalis, notes, (28) 854.	Hyperablys albopictus, notes, (30) 362. Hyperaspis— binotata larva, description, (36) 658. binotata, studies, (35) 281. lateralis, notes, (26) 149. Hyperdiplosis producta n.sp., description, (27) 57. Hyperdiplosis producta n.sp., (34) 522. poisoning of horses by, (32) 278. Hypermalius rusticus, notes, (28) 356. Hyperoides fragariae n.g. and n.sp., description, (33) 159. Hyperplasia, production in plants, (31) 326. Hyphantria cunea, see Webworm, fall. Hypholoma fasciculare, composition, (26) 750. Hyphomycetes— enzyms in, (30) 241, 805. iron-storing, studies, (27) 527.
Hyles (Deucephia) cupnorbiae, notes, (28) 656. Hylesinus— n. sp., descriptions, (30) 757. oleiperda, notes, (30) 455. opaculus, notes, (27) 658. spp., notes, (27) 59. Hylobius— abletis, bionomics, (28) 861. abletis, notes, (32) 852. abletis, studies, (30) 856. pales affecting conifers in New England, (35) 747. Hylotrupes juniperi n.sp., description, (34) 254. Hymenia— fascialis, notes, (26) 250; (28) 158; (29) 456. fascialis, studies, (26) 249.	Hyperablys albopictus, notes, (30) 362. Hyperaspis— binotata larva, description, (36) 658. binotata, studies, (35) 261. lateralis, notes, (26) 149. Hyperdiplosis producta n.sp., description, (27) 57. Hyperdum perforatum— chemistry and anatomy of. (34) 522. poisoning of horses by, (32) 278. Hypermallus rusticus, notes, (28) 356. Hyperoides fragariae n.g. and n.sp., description, (33) 159. Hyperplasia, production in plants, (31) 326. Hyphamytris cunea, see Webworm, fall. Hyphomycets— enzyms in, (30) 241, 805.

Tempoblarita ass also Chloromin-P and Dalrinia	Hyssopus officinalis, oil of, (36) 803.
Hypochlorite—see also Chloramin-T and Dakin's	Hysterium coffeanum, notes, (38) 51.
solution. applying automatically to sewage, (34) 390.	Hysteroneura setariae, see Aphis bituberculata and
calcium, effect on glanders bacillus, (40) 478.	Aphis setariae.
of lime in water, effect on vegetation, (29) 242	Ice—
solution—	analyses, (33) 165.
determining carbonic acid in, (39) 205.	and mercury, notes, (32) 810.
indicator end-points, (39) 414.	and salt, lowest temperature with, (31) 615.
studies, (39) 185, 786.	bacteriological examination, (37) 468.
solutions—	box, homemade, description, (36) 687.
alkaline, methods of analysis, (40) 113, 309.	chest, description, (27) 273.
antisentic value, (40) 182, 284.	conditions in Danish waters, (33) 717.
antiseptic value, (40) 182, 284. preparation, (40) 709.	cream-
prevention of blood clotting by, (40) 182.	analyses, (28) 862; (30) 178, 678; (32) 162, 357,
stabilization, (40) 710.	856; (35) 176.
Hypochlorites—	and ices, manufacture, treatise, (34) 860.
action on proteins, (36) 877.	bacteria in, (34) 165; (35) 164; (38) 868; (40)
and hypochlorite substitutes, (40) 284.	777.
determination in solutions, (40) 410.	bacteriological examination, (37) 468; (38) 75.
Hypochlorous acid, antiseptic action, (34) 675.	bacteriological standard, (28) 166.
Hypochnus—	binders and fillers, effects of, (36) 78.
burnati n.sp., description, (35) 351.	brick, manutacture, (29) 376.
cucumeris, notes, (26) 446.	determination of fat content, (27) 497, 499;
sacchari, notes, (40) 157.	(33) 16; (37) 507; (40) 81.
solani—	determination of overrun, (31) 875.
and Rhizoctonia solani, identity, (34) 443.	examination, (26) 461, 660; (27) 665; (28) 65;
notes, (29) 152; (30) 47; (33) 849.	(29) 50; (31) 556, 056.
studies, (36) 847; (37) 47, 350.	cream factories-
studies, (36) 847; (37) 47, 350. sp., notes, (28) 649.	computer for, (31) 276.
sp. on tea, (39) 452.	in Minnesota, (37) 777. inspection in New Jersey, (32) 254.
violaceus, notes, (29) 51.	inspection in New Jersey, (32) 254.
Hypochrella oxyspora, notes, (28) 545. Hypocotyl, elongation, (28) 39, 739; (34) 134. Hypocotyl chydlas (30) 321 (32) 590	law in Ohio, (33) 662.
Hypocotyl, elongation, (28) 39, 739; (34) 134.	cream-
Hypocotyl, studies, (30) 331; (32) 520.	fat standard, (27) 763.
Hypoderma—	freezers, tests, (33) 382.
bovis, biology, (34) 881. bovis, in Canada, (29) 357; (30) 552; (33) 775.	from homogenized cream, (29) 879.
bovis, in Canada, (29) 357; (30) 552; (33) 775.	function of colloids in, (30) 476.
bovis, larval stages, (30) 254.	gelatin or gum in, (29) 865.
brachysporum, notes, (26) 345.	laboratory guide (38) 981
deformans n.sp., description, (35) 354.	manufacture, (27) 179; (32) 253; (34) 859;
larva, lateral spiracles in, (40) 62.	manufacture, (27) 179; (32) 253; (34) 859; (36) 177; (40) 81, 675.
larva, lateral spiracles in, (40) 62. lineatum, biology, (34) 881; (39) 157.	manufacture, treatise, (35) 65.
spp.—see also Ox warble fly. life history, (32) 60.	marketing, (32) 874. overrun in, (33) 80.
life history, (32) 60.	overrun in, (33) 80.
strodicola, notes, (26) 852.	plants, inspection, (31) 359.
Hypodermella sulcigena, notes, (26) 852.	plants, sanitary code for, (33) 81.
Hypolycaenaphilippus, destructive to pineapples,	powders, examination, (26) 660; (30) 664.
_(29) 655.	quality as anected by geiatin, (36) 875.
Hypomyces-	recipes, (36) 79.
ipomocae on sweet potatoes, (31) 544.	relation to typhoid fever, (28) 258; (34) 256.
perniciosus, notes, (31) 843.	sampling, (31) 210.
rubi, studies, (34) 352.	sampling for Babcock test, (30) 274.
Hyponomeuta—	smoothness and keeping quality, (33) 769.
malinellus—	standards, (26) 275; (29) 777; (32) 254, 356 856, 873; (36) 561. storage, (32) 356.
hiology, (32) 554.	830, 873; (30) 301.
bionomics and remedies, (30) 755.	Storage, (32) 350.
notes, (33) 653.	stores, inspection in virginia, (20) 100,
remedies, (34) 355.	stores, inspection in Virginia, (29) 766, studies, (31) 874; (32) 253, 660. sugar substitutes in, (39) 183, 872; (40) 777
of Sweden, (37) 158. padella, hymenopterous parasite of, (26) 658.	802.
parents of (25) 650	
parasites of, (35) 659.	viability of streptococci in, (32) 174. effect on atmospheric temperature, (31) 511.
spp., notes, (32) 754. Hypophosphites, determination, (40) 409.	effect on stream flow. (30) 318.
Hypophysin, notes, (30) 578.	effect on stream flow, (30) 318. exudation from plant stems, (32) 221.
Hypophysis extract, effect on milk production, (30) 375; (37) 173.	for cream cooling, (37) 592. for the farm, (34) 892. frazil and anchor, dissipation, (28) 716. harvesting, (26) 386; (29) 88; (31) 92; (36) 837.
875: (37) 173.	for the farm. (34) 892.
Hypoplasia mammaria, effect on milk, (27) 176.	frazil and anchor, dissipation, (28) 716.
Hypopteromalus—	harvesting, (26) 386; (29) 88; (31) 92; (36) 687.
percussor n.sp., description, (38) 768.	harvesting by electricity, (28) 187; (30) 892; (31
percussor n.sp., description, (38) 768. viridescens, notes, (30) 59.	291.
Hyposoter interjectus n.sp., description, (35) 262.	house, small, description, (38) 476.
Hypostena—	house, small, description, (38) 476. houses, construction, (26) 386; (28) 788; (29) 85
sn. notes. (29) 52.	(30) 487, 489; (32) 591; (33) 80; (34) 892; (36) 390
sp., parasitic on sugar cane borer, (34) 753. tortricis, notes, (34) 556.	687; (38) 190, 292.
tortricis, notes, (34) 556.	nouses, description, (31) 93.
Hyposulphites, effect on metabolism and excretion,	houses for prairie farms, (35) 689.
250 an 7	infectiousness, (32) 253. manufacture, (27) 461.
Hypothenemus-	manufacture, (27) 461.
ritchiei n.sp., description, (39) 565.	of Greenland and its foehm, (38) 812, patrol over north Atlantic Ocean, (31) 615.
tuberculosus n sp., notes, (27) 458.	patrol over north Atlantic Ocean, (31) 815.
Hypothereutes nigrolineatus n.sp., description,	precooling plant, description, (35) 391.
(30) 60.	scald of fruits, studies, (29) 135.
Hypoxanthin—	Storm in Hilliols, (21) 415; (28) 121.
effect on plant growth, (28) 324.	precooling plant, description, (35) 391. soald of fruits, studies, (29) 135. storm in Illinois, (27) 413; (29) 121. storm in Michigan, (35) 115. storms, forecasting, (35) 803. storms of New England, (32) 210. supplies in railway stations and trains, (32) 450
in nops, (32) 502.	storius, torecasung, (35) 805.
in rabbit meat, (26) 563.	owenies in milwer stations and trains (99) 480
Hypsometer, description, (26) 442.	men in processing foods in homes (20) 188
Hypsometers, tests, (36) 144.	
Hydsometric mad of Russia, (34) 113.	use on dairy farms, (32) 591. vapor pressure, (38) 811.
Hypsopygia costalis, see Clover-hay worm.	Apper bressure, (ec) orr-

Infants-Continued.	Influenza—Continued.
foods—continued. increasing fat content of, (32) 661.	equine—continued. treatment, (26) 288, 486; (27) 289, 685; (28) 287, 483; (32) 184, 379, 682; (33) 286; (35) 282; (38) 788.
proprietary, composition, (32) 660.	287, 483; (32) 184, 379, 682; (33) 286; (35)
proprietary, nutritive value, (31) 401.	282; (38) 788. virus carriers of, (30) 185.
proprietary, use, (32) 661. use of statch in, (28) 359.	in United States, (37) 274.
gaseous metabolism in, (32) 461. gastric and pancreatic fat digestion in, (29) 365.	relation to bedbugs, (40) 548. treatment, (31) 378.
goat's v. cow's milk for, (32) 66.	Infra-red rays absorption by soils, (31) 414, 817.
growth, as affected by maternal ingestion of	Infusoria, purification of water by, (27) 317. Infusorial earth—
placenta, (40) 566. growth of, (36) 263.	analysis, (32) 424.
importance of bleast milk for, (30) 861.	for filtering fruit juices, (33) 318. Inga laurina as a honey plant, (27) 856.
measurement of surface area, (35) 369. metabolism—	Inga, revision, (36) 32.
and nutrition, studies, (34) 461.	Ingenhouzia, glands of, (39) 431. Inheritance, see Heredity.
of, (34) 462; (36) 763. of calcium and phosphoric acid in, (29)	Inturies, effect on seed germination, (26) 131.
166.	Ink berry, Chinese, host plant of fruit fly, (26) 758. Ino ampelophaga, notes, (31) 548.
principles, (27) 767. review of literature, (35) 559.	inoculation experiments, common cymmer for,
milk for, (26) 171; (32) 873; (36) 558; (39) 282,	(37) 549. Inodes exul n.sp., notes, (28) 841.
modified milk for, (33) 163.	Inorganic constituents, determination in urine,
mortality, notes, (27) 365.	(26) 161. Inosit—
newboin, energy requirements, (32) 257.	monophosphate in wheat bian, (32) 17.
newborn, nutrition and growth, (40) 661. newborn, physiology of, (34) 861.	occurrence in grape leaves, (27) 731. phosphoric acid of—
nursing, as affected by change of diet, (31) 662. nutritional disturbances, (36) 865.	cottonseed meal, (36) 299; (37) 502.
pasteurized milk for, (31) 460; (40) 364.	cottonseed meal and wheat bian, (29) 805. feeding stuffs, (39) 14, 675.
prenatal care, (31) 463.	phytin and phosphoric acid esters, (27) 406, 712
protein metabolism. (35) 766. protein requirement. (34) 68.	utilization in the animal organism, (36) 365.
raw milk for, (34) 659.	Insanity among farm people, (32) 791. Insect—
respiration experiments, (30) 369. respiration incubator for, (32) 860.	activity, relation to temperature and moisture, (30) 545.
respiration incubator for, (32) 860. respiratory exchange of, (26) 766.	and Pest Act. (28) 642.
respiratory metabolism in, (26) 69. rôle of mineral salts in metabolism, (29) 366.	behavior as factor in applied entomology, (31)
soy bean gruel for, (34) 859. soy beans and condensed milk for, (35) 556.	blood cells, growth in vitio, (37) 759.
stomachs, acidity of, (34) 167.	cages, wire, shading effect, (36) 455. egg parasites, hosts of, (32) 246.
stomachs, gastric secretion, (40) 71.	orge or affected by spraying mixtures, (32) 449.
summer diarrhea in relation to heat, (34)	eggs, toxicity of volatile organic compounds to.
tricalcium phosphate for, (32) 857.	(38) 858. enemies of cotton-boll weevil, (27) 59.
value of various sugars for, (31) 762. whey for, (33) 752.	flagellates, parasitic in vertebrates, (33) 862.
Infection—	galls— American, (33) 857; (40) 554.
and immunity, treatise, (30) 878; (35) 573; (38) 482.	descriptions, (39) 868. in Europe, (30) 852.
and resistance, (39) 679.	morphology and blology, (29) 353.
and resistance, treatise, (32) 270. hereditary, in cattle ticks, (30) 460.	notes, (31) 155. of Ohio, (32) 557.
immunity, and specific therapy, textbook, (38)	uses. (39) 154.
781. immunity, and specific thereapy, treatise, (33)	larvae, arrest of growth, (31) 751. larvae as affected by heat, (28) 752.
478.	larvae, subterranean, fumigation, (40) 200.
leucocytic reaction in, (26) 53. Infections—	metabolism, influence of atmospheric moisture, (36) 855.
acute, in laboratory animals, (31) 479.	migration, notes, (27) 452.
mixed, serodiagnosis, (40) 288. of unknown cause, specific antisera for, (40)	parasites— cages for, (38) 566.
678.	determining relations in mixed intestation,
relation to diet, (31) 464. specific therapy of, (31) 479.	(40) 164. inoculation of disease germs by, (26) 658.
Inflammation products, effect on reaction of milk,	introduction into Hawaii. (34) 548.
(28) 680. Inflammations, nonspecific, of joints, (36) 676.	notes, (30) 454, 455, 758. of domestic animals in Argentina, (26) 780.
Influenza—	of domestic lowis, (29) 253.
equine—see also Pleuropneumonia. etiology, (26) 587; (27) 86, 685; (31) 87; (36)	reproduction and longevity in, (26) 457.
85.	studies, (34) 751. parasitism, (27) 856; (30) 59.
immunization, (26) 185. notes, (26) 373, 384; (27) 384; (37) 182; (39)	pests of Egpyt, (40) 856. pests of the household, (38) 258.
582.	pests, summary of information, (39) 255.
papers on (31) 176. pectoral form, (26) 787; (28) 483; (32) 278;	photography, apparatus for, (37) 156. photography, notes, (27) 255.
(34) 681; (36) 182.	physiology and morphology, notes, (21) 50.
pectoral form, immunization, (29) 482, 483; (31) 184; (33) 183.	powder, examination, (35) 207.
pectoral form, treatment, (29) 580, 480; (50)	p pae, temperature-metabolism curve, (32)
285, 385. prevalence in Prussia, (27) 181.	67, 766. records, methods of taking, (31) 848.
prevention, (34) 184.	survey of North Carolina, (39) 358.
serum diagnoses, (40) 289. studies, (28) 184, 482; (30) 186; (31) 382; (39)	trap for refuse box, (34) 60.
392, 492, 493.	visitors of spires and blackberry, (40) 547.

Insectary, portable, (40) 752.	Insects-Continued.
Insecticide— contact, new, (39) 462.	beneficial—continued. in Illinois, (28) 155, 853; (35) 356; (36) 853.
dealers, licensed, (27) 663.	in Illinois, (28) 155, 853; (35) 356; (36) 853. in New York, (28) 156.
decisions, (26) 65, 658.	introduction into Arizona, (28) 853. introduction into California, (30) 753.
law in California. (29) 852.	introduction into Hawaii, (35) 755.
emulsions, preparation, (26) 153. law in California, (29) 852. law in Montana, (28) 852.	selection and breeding, (38) 558.
18W 111 New Jersey, (28) 352.	to tobacco, (35) 54. bibliography, (26) 246; (28) 155.
law in Ohio, (31) 740. laws in United States, (36) 39.	bling, relation to infantile paralysis, (28) 101.
laws, notes, (28) 642.	biting, relation to swamp fever in horses, (32)
new, description, (36) 252. Insecticides—see also Sprays and specific forms.	blood-sucking-
analyses, (26, 65; (27) 441, 755; (29) 235; (31) 49, 142, 340, 740; (32) 169, 438; (33) 47, 725; (34) 436, 639; (35) 141; (56) 744; (37) 53, 111, 243;	geographical distribution, (31) 452.
142, 340, 740; (32) 169, 438; (33) 47, 705; (34) 436, 639; (35) 141; (36) 744; (37) 53, 114, 243;	relation to kala azar, (28) 159. salivary secretion, (32) 557.
(38) 048.	transmission of diseases by, (26) 150; (28,
and fungicides, compatibility, (32) 213.	57, 756. boring and girdling, remedies, (33) 556.
and their application, (40, 452, arsenical, chemistry of (28) 308.	boring and girdling, remedies, (33) 556. boxes, (39) 359.
classification and compatibility, (31) 751.	brains of, studies, '27, 552. bred from cow manure, '27) 757.
compatibilities, (35) 838. compatibility chart, (39) 39.	carnivorous, in region of Paris, (30) 253.
contact, mode of action, (26) 753; (34) 252; (40)	carotinoids in, (34) 865.
752. contact, physical properties, (39) 461.	citrus, furnization, (39) 161, 463. coccobacilli infections of, (30) 54, 551.
effect on flowering plants, (36) 733.	collection, (27) 453.
effect on flowering plants, (36) 733. effect on germination of wheat, (30) 837.	collection and preservation, (31) 452, 792; (32) 755; (38) 156.
emulsions for, (37) 759. formules, (37) 460; (40) 543.	collection of Massachusetts Agricultural Col-
inspection, (29) 116; (34) 40.	lege, (28) 248. color and design of, (33) 168.
inspection and analyses, (39) 240, 345. inspection in Maine, (36) 467.	color disguise in, (26) 246.
inspection in Ohio, (31) 740; (36) 744.	conservation of types, (27) 656.
18WS, (29) 200; (40) 45.	control about abattoirs, (37) 560.
manual, (29) 341. new. tests. (33) 339, 340.	birds, (40) 255.
new, tests. (3J) 339, 340. notes, (29) 256; (27) 53, 453, 655; (28) 148; (31) 248; (34) 449; (35) 356.	fungi and bacteria, (38) 357. parasites, (27) 559; (38) 258.
oil, effect on citrus fruits, (29) 354.	parasites and predactous enemies, (3%) 456.
petroleum, (39) 462.	defence against parasites, (34) 751. destruction by—
petroloum, selection, (40) 59. phenolic, studies. (35) 208.	bestles, (27) 560. contact insecticides, (26) 753; (34) 252.
physiological effects, (25) 752. preparation and use, (26) 47, 49, 154, 539, 840, 841; (27) 45, 61, 344, 845; (28) 48, 238, 450, 642, 841; (29) 146, 230, 459, 833; (30) 442, 534, 642; (31) 38, 141, 153, 633; (33) 232, 639; (34) 439, 539, 643, 643, 643, 643, 643, 643, 643, 643	contact insecticides, (26) 753; (24) 252.
preparation and use, (26) 47, 48, 154, 539, 840,	cyanid gas, (86) 456. dynamite, (34) 125. heat, (34) 633; (36) 197. hot water, (24) 50.
841; (29) 146, 230, 459, 853; (30) 442, 534, 642;	heat, (34) 653; (36) 197.
(31) 38, 141, 153, 635; (33) 252, 639; (34) 434, 539,	moles, (34) 58.
548, 643, 651, 739; (35) 743; (36) 53; (38) \$43. review of investigations, (31) 848.	plumber's blow lamp, (33) 684.
rules and regulations, (35) 56.	vegetable parasites, (30) 155. destruction in—
sampling, (29) 852. spreading qualities, (27) 753.	seed rooms, (38) 241.
standard v. nonstandard, (34) 232.	soils, (35) 457. stored corn, (31) 849.
summary of information, (39) 461.	determining increase and spread, (37) 257.
superficial tension and wetting power. (27) 548. tests, (26) 638, 753; (28) 48; (29) 738; (30) 156; (31)	development as affected by temperature, (31
350; (32) 158, 846; (34) 60; (35) 149; (37) 53; (38) 156; (39) 762; (40) 161, 753.	847. disease-carrying, remedies, (31) 58, 351.
toxicity, (33) 855.	dispersion by wind, (37) 254.
toxicity, (33) 855. toxicity formula for, (29) 52.	dissemination— in shipments of sugar cane, (28) 555.
treatise, (31) 517. Insects—	of chestnut blight by, (31) 451. of disease by, (38) 558; (39) 558.
affecting—	distribution—
stored food in Hawaii, (40) 259. stored grain, (40) 853.	as affected by temperature, (27) 655.
stored products, (39) 161, 463, 761, 862.	graphically illustrating, (36) 858.
weeds in Minnesota, (33) 155.	in climatic zones, (30) 852. of pear blight by, (30, 140.
air-conditioning apparatus for, (33) 855; (36, 152, and disease, paper on (32) 151.	dust sprays for, (31) 449.
flower color, relationship, (31) 57.	ecology, notes, (40) 648.
plant diseases, law in Canada, (26) 51. plant diseases, treatise, (28) 745.	in California, (40) 56.
as affected by—	in Costa Rica, (38) 358. in Hawali, (40) 854.
evaporation, (31) 350. heat, (27) 856.	nomenclature, (20) 552. of East Africa, (37) 760.
humidity (37) 254; (39) 761.	effect on germination of cotton seed, (26) 534.
Roentgen rays, (28) 57.	effect on parthenogenetic blossoms, (26) 540.
Roentgen rays, (28) 57. smelter gases, (38) 458. temperature, (31) 349.	endoparasites of, (34) 753. entomophagous, terminology, (36) 53.
temperature and moisture, (55) 202.	entomophagous, use in agriculture, (36) 754.
as carriers of— bacterial infections, (30) 153.	exotic, protection against, (34) 851.
chestnut blight fungus (34) 853.	factors affecting development and life, (28) 755 feeding value for poultry, (38) 71.
fire blight, (37) 53; (38) 558. infection, (28) 356.	fertilization of red clover by, (33) 131.
autohemorrhage in, (28) 853.	flying, diseases transmitted by, (34) 576. forest, see Forest insects.
beneficial—	fumigator for, (27) 564.
in Hawsii, (37) 847.	

Incests Continued	Insects—Continued.
Insects—Continued. fungus diseases of, (35) 55.	Insects—Continued. injurious—continued.
lungus parasites of, (33) 238, 330, 830.	in Germany, (27) 452; (30) 249; (37) 460. Gold Coast, (30) 752; (35) 463.
gall, (39) 661, 866. garden, see Garden insects.	Gold Coast, (30) 752; (35) 463. Government of Moscow, (29) 852; (33)
glass traps for, (26) 153	652.
grain-intesting, destruction, (39) 363. greenhouse, (36) 152	Grest Britain, (28) 145; (35) 649; (36) 853
greennouse, apparatus for removing, (39) 463.	(38) 460; (40) 648. greenhouses, (34) 59; (35) 253.
greenhouse, remedies, (35) 857. habits and instincts, treatise, (32) 846. herbivorous, feeding habits, (28) 553.	Grenada, (30) 746; (38) 857. Hawaii, (32) 753; (34) 59; (37) 459, 847.
herbivorous, feeding habits, (28) 533.	(38) 557
hibernating in Spanish moss, (28) 654. household—	Hood River Valley, (35) 252. Illinois, (28) 155, 853; (35) 356; (36) 853.
and camp, remedies, (38) 857.	India, (31) 249; (34) 549; (36) 356, (36) 853.
habits and remedies, (29) 653. hydrocyanic acid gas for, (32) 846.	157, 257; (39) 162, 255, 557, 862; (40)
notes, (27) 552; (28) 554, 653; (30) 462; (39)	260. Indiana, (28 554; '31) 452; (35, 461; (38)
861. remedies, (28) 352; (31) 394; (32) 650; (34)	556; (40) 752.
854.	Ireland, (26) 553; (28) 653; (29) 555; (33) 554; (40) 260
treatise, (32) 449.	Italy, (38) 400.
hygrophily and phototropism in, (30) 752. immunity principles in, (39) 358; (40) 164.	Jamaica, (34) 329, (35) 177, (38) 459; (40) 259.
imported into New Jersey, (33) 855; (34) 355;	Japan, (38) 857. Java, (29) 852. Kansas, (37) 337; (38) 653, (40) 352, 452 Ktef, (38) 256.
(38) 557. imported, losses from in United States, (37) 559.	Java, (29) 852.
in British Museum, (37) 500.	Kief, (38) 256.
injurious— bibliography, (29) 652.	Klosterneuburg, (30) 240. Laysan Island, (27) 549. Lesser Antilles, (27) 552.
bureaus for study, (39) 861.	Lesser Antilles, (27) 552.
control, (26) 840. injurious, control—	Aladras, (30) 855; (38) 359; (49) 354
by natural enemies, (31) 848.	Manitoba, (30) 53. Maryland, (27) 552; (36) 854; (38) 154
m Colorado, (25) 450.	Maryland, (27) 552; (36) 854; (38) 154 Massachusetts, (33) 256.
Japan, (31) 241. United States, (38) 256.	Mauritius. (32) 449; (33) 544; (24) 754 (40) 648.
various countries, (28) 445; (31) 145; (32)	Michigan, (32) 650
340. West Virginia, (28) 842.	Minnesota, (28) 79; (32) 753; 35) 461; (38) 155; (39) 861.
injurious—	Missouri, (31) ii & , '38) has.
fumigation experiments, (26) 65. handbooks, (33) 495, 745.	Montana, (31) 048; (32) 754; (35) 852; (37) 255; (40) 452.
in Algeria and Tunic (20) 151: (31) 848	Nebraska, (26) 552; (39) 252
Antigua, (20) 756; (58) 256; (30) 576. Arizona, (26) 452; (28) 853; (31) 155; (33) 745; (75) 676; (37) 846; (40) 853.	New Hampshire, (35) 401; (38) 155. New Jersey, (32) '50; (34) 158; (36) 252 854; (37) 253; (39) 761. New Mexico, (38) 853.
745; (25) 256; (37) 816; (40) 853.	854; (37) 253; (39) 761.
Austraia, (27) 552, Baden, (31) 539.	New Mexico, (38) 653. New South Wales, (27) 756; (34) 652; (39)
Burbados, (20) 552; (30) 752; (31) 547; (32) 551; (34) 753; (36) 252; (40) 648. Belgian Kongo, (34) 551.	656
(32) 551; (34) 756; (36) 252; (40) 648. Belgian Kongo, (34) 551.	New York, (2b) 146; (28) 176; (29) 252; (33) 252; (34) 752; (33) 855; (40) 163.
Bengai Presidency, (32) 449.	1150113, (21) 400, (00) 010, (00) 103, (04)
Bihar and Orissa, (34) 250; (37) 357; (40) 57.	S51. North Carolina, (26) 856.
Borneo (3%) 54	Northern Territory of Australia, (35)
Brozil, (30) 454, 657. British Columbia, (27) 53; (30) 53; (32) 57; (30) 52; (34) 155. British Columbia, (27) 54; (30) 54, 670 54, 460.	657. Nova Scotia, (30) 752; (38, 356; (40) 57.
571; (35) 253; (38) 155.	Nova Scotia, (30) 752; (38, 356; (40) 57. Nyasaland. (50) 151; (31) 549; (36) 153
British Edst Africa, (32) 347; (37) 34, 400. British Guena. (31) 317; (36) 252, 853;	(39) 461. Okt homa, (37) 157.
British East Africa, (32) 347; (37) 54, 400. British Gurana, (31) 547; (36) 252, 853; (37) 847; (38) 459; (40) 163. British West Indies, (27) 53.	Okl thoma, (37) 137. Ontario, (27) 452; (30) 53; (31) 155; (35) 356; (36) 456; (38) 358, 545; (39) 862; (40)
California, (35) 254; (59) 461.	648.
California, (35) 254; (59) 461. Canada, (27) 356; (28) 653; (32) 448; (33) 746; (38) 459, 556, 857; (39) 556.	Oregon, (32) 651; (38) 857. Pennsylvania, (37) 458; (38) 556. Philippines, (26) 856; (33) 856; (38) 459. Porto Rico, (33) 554; (34) 752; (36) 252
Ceylon, (2°) 553; (34) 652; (40) 453.	Pennsylvania, (37) 459; (38) 556. Philippines, (26) 856; (33) 856; (38) 459.
Ceylon, (2") 553; (34) 652; (40) 453. Colorado, (34) 651; (47) 459; (40) 161. Connecticut, (28) 855; (35) 53; (37) 254;	Porto Rico, (33) 554; (34) 752; (36) 252
(39) 761.	(37) 255; (40) 56 Puss, (32) 447; (35) 55. Quebec, (32) 151; (34) 250, 449; (35) 356 (37) 155, 157; (38) 459; (40) 259, 648.
Crimea, (33) 652.	Quebec, (32) 151; (34) 250, 449; (35) 356
Cuba, (35, 348; (38) 556. Cuprus, (39, 160; (40, 648.	(37) 155, 157, (38) 459, (40) 259, 648. Queensland, (28) 249.
Delaware, (30) 510.	Rhode Island, (23) 153.
Denmark, (27) 543; (30) 47. District of Columbia, (31) 319.	Russia, (31) 155, 648; (40) 163. St. Lucia, (29) 852; (34) 651; (40) 453.
Dutch East Indies, (34) 744; (35) 243;	St. Vincent, (30) 752; (34) 651; (37) 460.
(37) 210; (38) 548. Egypt. (26) 453; (37) 54.	Salgir, (34) 652. Sao Thomé, (39) 656.
Fingland, (27) 552; (29) 653.	Scotland, (27) 552; (31) 648; (34) 652; (36)
Federated Malay States, (33) 460; (40) 200.	252. Seychelles, (33) 555.
Fiji, (27) 453; (32) 448; (36) 252; (39) 557. Finland, (28) 159, 555; (32) 847; (38) 256.	South Africa, (33) 856; (36) 653; (39) 556.
P 10F1031, (57) 659; 159) 461.	South America, (37) 460. South Carolina, (40) 647.
France, (39) 356; (40) 545.	South D. Fota, U. 854.
hrance, (39)	South Rhodesia, (33) 554. Stavropol, (30) 753; (37) 760. Straits Settlements, (40) 260
German East Airica, (28) 555; (30) 154,	Straits Settlements, (40) 260
657.	Sumatra, (29) 853.

Insects—Continued.
of California, treatise, (28) 853; (33) 553, 652.
central Europe, manual, (35) 254.
Connecticut, (26) 147; (37) 765.
fresh water, (39) 555.
Government of Stavropol, (30) 553.
Great Britain, treatise, (38) 557.
Guam, (28) 153.
Hawali, (30) 552.
Hawali, Cammon names of, (30) 657. -Continued.
urlous—continued.
In Surinam, (30) 853.
Surrey pine lands, (39) 656
Sweden, (40) 163.
Tasmania, (36) 846; (37) 357; (40) 753
Taurida, (31) 547, 548, 548.
Tennessee, (27) 756; (31) 248; (38) 357.
Tenas, (37) 439.
the Ornent, (30) 753.
Tobaco, (40) 352.
Tortola, (39) 862
Trinidad, (37) 23; (40) 352.
Turin, (35) 463.
Uganda, (27) 246; (28) 249; (32) 847; (34) 349; (35) 463; (37) 570; (39) 556, 656.
Union of South Africa, (31) 548.
Virgin Islands, (28) 772.
Virgina, (31) 245; (28) 772.
Virgina, (31) 245; (35) 661.
West Africa, (35) 83.
West Ind.es, (28) 248; (30) 546; (35) 44; (37) 460; (38) 463; (37) 548, 762; (40) 260.
West Virginia, (30) 663.
West Virginia, (30) 663.
West Virginia, (30) 663.
West Virginia, (30) 673.
Wislonsin, (27) 33; (38) 155.
Wislonsin, (27) 33; (38) 155.
Wislonsin, (27) 38; (30) 146.
Internation control, (31) 46, 699.
Introduction into United States, (38) 154.
last, (27) 200, 385; (29), 272.
legislation in Canada, (26) 256.
legislation in Canada, (27) 357, 489, 483, 587; (28) 458; (35) 168, 522; (36) 437, 549; (33) 58, 597; (24) 548; (35) 168, 522; (36) 437, 549; (33) 58, 527; (28) 452; (37) 48, 440, 752; (31) 87, 635, 857; (22) 472; (24) 40, 210, 549, 743; (35) 168, 521; (36) 146, 240, 240, 540, 742; (37) 148, 247, 344; (38) 878.
review of literature, (20) 51; (27) 148; (28) 345.
texthook, (33) 44.
to animals, (27) 58, 433, 47, 21; (35) 858(37) 500. Insects-Continued. injurious-continued. Guim. (28) 135.
Hawaii, (30) 852.
Hawaii, (30) 852.
Hawaii, (30) 852.
Hawaii, (40) 852.
Hawaii, (40) 855.
Labrador, (40) 355.
Nev Jersey, (36) 152; (39) 761; (40) 854.
North America, 1cy, (33) 652.
North America, 1cy, (33) 652.
pell agrous localities, (27) 155.
pond and stream, (27, 394.
Sorth India, 'rt. 15, '4, 549.
Sortha, hardbook, (29) 147.
Vigor Istaal 8, (37) 647.
On greenhouses and ore intental plants, (40, 753, imported orchids, fungation, (40, 352, mulberty), 1, 'fc rues, (40, 17).
orchard, in British Colt. 1514, 'rt. 489.
orchard, notes, (44) 161, 173, 259, 352.
orchard, remedies, (28) 372.
outbreak, in California, relation to birds, (26, 336). papers on, (38) 256. parasites of, (20) \$52; (30, 746. parasitie parastics of team of the parastic and predactous, utilization, (28) 450. in Canada, (36: 457. on cactus, 43, 233. parastism by Entomorbithoreae, (32) 245. penetration by cases, (36) 251. periodic events, (39) 317. photographing, (30) 252; (38) 53. phytopia.cous, parastism, (31) 548. plan-sucking, studying in situ, (37, 53. por-bet guide, (38, 76). poisonal bran mush for, (34) 61. poisonaus, of desart, (39, 150. pollination of desart, (39, 150. 315. texthook, (38) '4. to animals, (27) 85, 433, 572; (35) 853, (37) 860. animals, domestic, (28) 753, 855; (29) 252, pollination of—

alfalfa by, (31) 114, 431,
apples by, (71) 554,
clover by, (71) 554,
fruits by, (28) 237,
polyhedral bedies in, (37) 233,
polyhedral virus, (40) 255,
preserving in tropical clirates, (27) 656
progressive immunity, (7, 7, 54,
protecting wheat flour subtitures from, (40, 55,
psychic life, handbook, (40) 447,
rearing for experimental vork, (37) 755,
recognition armong, (37) 779, (38) 154,
relation to—

animal diseases, (56, 479, bees, (2t) 65; (27) 459, books, (2n) 354; (28) 179, cork, (26) (0. cork, 120) (4. cork stoppers, (31) 15". crops, '&e pre fe crobs. man. (27) 53, 473, 572; (28) 248, 554; (29) 252; (39) 55; (22) 148; (33) 746; (34) 551; (38) 459. man and animals in the So ithwest, (35)
S53.
man and animals in Zanzib, r., (37) 56c.
man, treatise, (34) 586; (37) 156, 760.
stored products, remedies, (37) 459.
treatise, (2° 732; (27, 452; (31) 539; (35)
S53; (36 2° 7; (37) 395.
inoculation of dise ise germs by, (26) 658.
inspection law in Colorado, (26) 154.
instinct of, treatise, (29) 52.
internal parasitic, resistance to toxic and digestive fluids, (33) *57.
killing bottle, (30) 559.
lessons on, (31) 394.
life history, manual, (31) 155.
life history, manual, (31) 155.
ligh trars for, (39) 656.
living, capture by cornfield ants. (33) 258.
load environmental complex, (38) 358.
longevity, (33) 652.
longevity as affected by temperature, (32) 244.
longevity in captivity, (37) 355.
meadow, notes, (36) 297.
microbial diseases of, (37) 76.
microparasites of, (36) 355.
mill and stored grain, remedics, (30) 155.
mill, destruction by heat, (29) 233.
mimiery, (27) 656.
mounting for school work, (31) 394
nature book on, (40) 795.
observing, collecting, and studying, (38) 357.
of Atlin District, British Columbia, (34) 651.
Barbados, (40) 56.
California. (28) 155; (29) 158 man and animals in the So 1thwest, (35) sometion among, (37) -79; (38) 154.
atlon to—
animal diseases, (56 479.
anthrax, (37) 170.
apple blossom blight, (31) 34 ...
beet olight, (34) 350.
blight in fruit, (34) 618.
chestry gummosis or canker, (32) 645.
chestrun brik disease, (35) 736.
chestnun brik disease, (35) 736.
chestnun brik disease, (35) 736.
chestnun brik disease, (36) 738.
coloration of dowers, (28) 226.
cucurbit wilt. (35) 546.
disease in man. (27) -62; (26) 756.
cquine influenza, (28) 452.
disease in man. (27) -62; (26) 756.
cquine influenza, (28) 452.
disease in man. (27) -62; (26) 756.
cquine influenza, (28) 452.
disease in man. (27) -62;
disease (31) 356.
disease (33) 356.
mgr-and-to-disease, (35) 758.
lypphangits, (28) 379.
man, treatise, (33) 856.
milk infection, (28) 674.
pellagra, (33) 555.
plague, (29) 756.
[35) 280; (36) 354.
pollination, (40) 655.
rice gwa-bo, (36) 448.

```
International—Continued.
catalogue of—continued.
physiology, (32) 505: (34) 658; (43) 569.
serum physiology, (39) 190.
Commission of Agriculture, (30) 700.
Conference on Seed Testing, (26) 44.
Insects-Continued.
               ects—Continued.
relation to—continued.
rotation systems, (27) 554.
spirochecisis, (20) 881.
spirad of ergot. (27) 47.
sugar beet curry top, (34) 241, 646.
surra, (28) 756.
               surra, (28) 756.
temperature and humidity, (35) 52.
Ustilago anther arum, (26) 552.
Temedies, (26) 154.
resistance to hor water, (34) 843.
resistance to sprays, (31) 350.
scale, sre Scale insects.
social habit among, (40) 553.
soil, behavior in evaporation, carbon dioxid, and ammonia gradients, (38) 54.
soil-infection notes (20) 653.
                                                                                                                                                                                                                                                                          for Combating Deterioration and Adulter-
ation in Foodstuffs, (28) 700.
of Agriculture, (27) 700; (28) 499; (29) 101.
Agriculture, animal economy section,
(30) 868.
                                                                                                                                                                                                                                                          Agriculture, animal economy section, (30) 808.

Applied Chemistry, (27) 499; (30) 202.
Comparative Pathology, (32) 271.
Entomology, (26) 398; (27) 399; (31) 452.
Genetics, (31) 200.
Home Economics, (35) 897.
Home Education, notes. (28) 500.
Home Training at Ghent, (31) 293.
Horticulture at Ghent, (31) 293.
Rice Culture, (30) 198; (31) 200.
School Hygiene, (32) 477.
Tropical Agriculture, (34) 227.
Vitculture, report, (35) 646.
Zoology, (33) 450.
Cooperative Alhance, proceedings, (15) 893.
Dairy Congress, (30) 398.
Dairy Congress, report, (27) 472, 676; (36) 473.
Entomological Congress, proceedings, (27) 656.
Pederation of Dairying, (28) 178; (31) 376.
Forestry Congress, report, (33) 541.
Institute of Agriculture, (24) 1; (30) 899; (33) 91; (39) 407, 690.
               and ammonia graulents, (38) 54. soll-infesting, notes, (29) 653. soll, notes, (30) 154. soll, relation to climate, (35) 357. studies for schools, (31) 791. study of, importance, (32) 846. subternanesn, remedies, (26) 256, 561.
                sucking, effect on potato foliage, (34) 449.
sucking, relation to fire blight, (33) 744.
taxonomy, (40) 753.
transmission of—
                transmission of—
anthraa by, (26) 678; (30) 750.
diseases by, (26) 760; (30) 240, 455, 546; (32)
552, 840; (37) 845.
leprosy by, (26) 759.
swamp fever by, (38) 788.
Trypenosoma evansi, (31) 777; (37) 180.
trypanosomes by, (27) 783.
verruga by, (34) 355; (37) 356, 388.
treatise, (28) 552; (20) 553; (33) 153, 495.
tuberculosis in, (31) 155.
underground, destruction, (32) 216.
underground, destruction, (32) 216.
underground, method of study, (33) 855; (37) 254.
                                                                                                                                                                                                                                                                     (39) 497, 690.
                                                                                                                                                                                                                                                            Institute of Agriculture, decade of work, (38)
                                                                                                                                                                                                                                         701.

Irrigation Congress, (31) 88; (35) 885.

Ilvestock exposition, (36) 199.

Meteorological Congress, (31) 213.

Phytopathological Congress, (30) 700; (31) 699.

Radiotelegraph Conference of 1912, (29) 120.

Refrigeration Congress at Vienna, (27) 460.

Road Congress, (34) 287.

Union of Municipal Dairies, (32) 773.

Veterinary Congress, (26) 373; (29) 100; (24) 575.

Zological Congress, proceedings, (27) 655.

Interpolation as means of approximation, (34) 796,

Interstaft Dry Farming Conference, report, (28) 633.
                                                                                                                                                                                                                                                                    701.
                254.
use in study of heredity, (38) 358.
use in study of zoogeography, (27) 656.
vision in, (31) 452.
wilt disease of, (33) 556; (37) 253.
wilt virus, (40) 255.
wind-forced migration, (39) 860.
wings of, treatise, (40) 351.
wonders of instinct, (40) 255.
wood-boring, investigations, (32) 755.
wood-boring, remedies, (27) 555; (33) 725; (34) 652.
                                                                                                                                                                                                                                                   633.
                                                                                                                                                                                                                                          Interstitial cells, studies, (39) 177.
  Insemination, artificial, in birds, (31) 370.
Insolation, increase with elevation, (30) 713.
Insolator, description, (28) 37.
Institute for Fermentation and Starch Manufacture in Berlin, (32) 92.
Institute for Phytopathology in Wageningen, (35)
                                                                                                                                                                                                                                          Intestinal-
                                                                                                                                                                                                                                                           autointoxication, relation to amins of organ ex-
tracts and body fluids, (34) 778.
diseases, studies, (39) 285.
                                                                                                                                                                                                                                                             flora-
                                                                                                                                                                                                                                                            fiora—
as affected by milk feeding, (33) 460.
of cattle, (35) 76.
of man and animals, (26) 581.
regulation through diet, (40) 867.
relation to diet, (36) 684, 665.
impaction in calves, (26) 279.
inflammation, chronic, in bovines, cultivation of bacillus, (27) 492.
inflammation, specific chronic, in bovines, (28)
           243.
   Insurance
                   against sickness and accidents in Switzerland, (32) 792.
  companies—
cooperative, in Minnesota, (32) 688.
farmers' mutual, (37) 391.
mutual, (40) 593.
mutual, in Pennsylvania, (27) 389.
mutual, in Wisconsin, (28) 895.
compulsory, in United Kingdom, (27) 488.
fire, see Fire.
hail, see Hail.
mutual, in Illinois, (36) 791.
Interferometer, use in agricultural investigations, (33) 315.
                     companies
                                                                                                                                                                                                                                                           181.
juice of dogs, alkalinity, (29) 268.
movement, cause, (28) 567.
parasites of the dog, (40) 778.
protozos, flagellated, (40) 186.
putrefaction as affected by water drinking, (34)
                                                                                                                                                                                                                                                                     763
                                                                                                                                                                                                                                           trichinae, studies, (40) 476.
Intestine, large—
absorption from, (28) 665.
enzyms of, (36) 366.
             (33) 315.
    Inter-Mountain Good Roads Association, proceed-
    ings, (29) 291.
Internal organs as affected by exercise, (28) 272.
                                                                                                                                                                                                                                            Intestines
    Internal secretions, studies, (26) 264.
International—
                                                                                                                                                                                                                                                             absorption of fat in, (32) 563.
human, fermentation and putrefaction in, (30)
                                    ociation of—
Dairy and Milk Inspectors, (30) 273; (33) 701; (34) 473.
Poultry Instructors and Investigators, (26) 698; (27) 106, 400, 675; (40) 499.
Tropical Agriculture and Colonial Development, (28) 500.
                     Association of
                                                                                                                                                                                                                                           methods of examining, (29) 408.
physiology of, (29) 763.
resorption of sugar in, (29) 268.
Intoxication, leucocytic reaction in, (26) 83.
                                                                                                                                                                                                                                            Intracutaneous-
                                                                                                                                                                                                                                           absorption, specificity, (28) 482.
reaction, diagnostic value for contagious abortion in cows, (29) 586.
Intradermal test for tuberculosis, (30) 883.
Intransphritis in domestic animals, (26) 176.
Intumescences on plants, (39) 353, 355.
                     catalogue of
                                    logue or—bacteriology, (32) 578; (35) 574; (39) 190. botany, (35) 29; (37) 630. chemistry, (33) 201; (34) 407; (37) 501. general biology, (36) 366. meteorology, (29) 510; (35) 318, 421.
```

```
Inulase-
                                                                                                                                                                                                                               Ionization in war wounds, (40, 779.
               formation in Aspergillus niger, (40) 518. in tebacco plant, (31) 201. of Aspergillus niger, activity, (37) 203.
                                                                                                                                                                                                                                               absorption by living and dead roots, (34) 334, absorption by plants, (33, 521, antigonistic activity, (25, 730, diffusion and localization in plants, (31) 325, effect on oxidative processes in the body, (33) 69.
Inulin—

behavior toward hydrolizing agents, (31) 314. in chicory root, (38) 502; (40) 325, 727. metabolism in chicory, (28) 821; (30) 432. metabolism in plants, (34) 427. sacchaufication by ultraviolet rays, (26) 802. studies, (39) 202, 324, 732. utilization by ye.sts, (31) 224. utilization in Giet cures, '30, 464. Inulo-coagulase, notes, (36) 127. Invalids, 2021's milk for, '32, 873. Invert activity, determination, (40) 12. Invertase—
 Inulin-
                                                                                                                                                                                                                                               3—
Bee Keepers' Association, proceedings, (32) $52.
College, notes. (26, 194, 587, 694; 127-197, 600, 697, 799, (28-296, 886; (20-97, 699, 698; (30) 796; (31) 99, 397, 496, 786; (52, 97, 694, 690; (33) 99; (34) 96, 397, 497, 786; (52, 97, 99, 794, 690; (33) 99; (37) 196, 295, (93) (35) 198, 799; (30) 95, 693; (40) 696, 590.
Highway Commission a ganization, (31) $90.
State college, closer inon. (28, 792.
State Dairy Association, 1900 277.
State Drainage Association, proceedings, (33) 392.
  Invertase-
               action, kinetics of, (31) 168.
action, kinetics of, (31) 168.
activity, influence of certain substances on, (54) 803.
                                                                                                                                                                                                                                adsorption, (35) 313. as affected by sodium chlorid, (34) 408
                as affected by ultraviolet rays, (26) 203.
distribution in beets, (34) 524.
formation and regulation by mold fungi, (31)
                                                                                                                                                                                                                                        action, (38) 180.
              formation in yeart, (25) 202, 405, from yeast, hydrolysis of sucrose by, (30) 811. In alfalfa, (32) 411.

Aspergillus meer, notes, (28) 727, cane sugar, (36) 802 pot 40 leaves, (35) 334, tobacco plant, (31) 204, investigations, (31) 410. occurrence in honey, (26) 710, rôle of viscosity in action of, (26) 505, temperature coefficients of decomposition, (26) 407, 504.
                   ormation .4 Jest, (25) 202, 405.
                                                                                                                                                                                                                                 Iphiaulax elypeolus n. sp., casar.ptim, (26) 352
                                                                                                                                                                                                                                 Ipidae-
                                                                                                                                                                                                                                                  Canadian, economic importance. (31) $48.
                                                                                                                                                                                                                                                 injurious to trop cal plants, (30) 660.
                                                                                                                                                                                                                                                 key, (39) 65.
                                                                                                                                                                                                                                 Ipobracon—
grenadensis, notes, (40) 554.
saccharalis n.sp., description, (40) 554.
                                                                                                                                                                                                                                 Ipomoea-
                                                                                                                                                                                                                                                mosa—albivenia, fiber from, (39) 442.
batatas, andyses, (31) 523.
leari, leaf heteromorphy in, (34) 626.
pes-carrae, leaf development of, (30) 522.
purpurae, heredity in, (35) 750.
reptans as affected by seasonal humidity, (31)
221.
 Invertebrates-
 physiology of, treatise, (31, 154, transmission of diseases by, (30) 249. Iodates, determination, (34) 712. Iodids, effect on cascification of milk, (25, 609. Iodimetry, use of arsenious oxid in, (40, 609. Iodimetry, use of arsenious oxid in, (40, 609.
                                                                                                                                                                                                                                Ips—
n.spp., descriptions, (35, 556.
pim, notes, (30) 657.
pim, studies, (36) 554.
(Tomicus) radiatine n.sp., description, (34) 361.
typographus killing healthy fir trees, (37) 455.
Irbisla brachycerus, notes, (29) 454.
Iridomyrmex humilis, see Ants, Argentine.
               in—
action on hypophosphorous and phosphorous acids, (40) 409.
and todin preparations, (33) 387.
collorid, antiseptic value, (40) 779.
compounds, relation to bacteria, yeast, and mold fungi, (29) 133.
compounds, use cgainst sphochetosis in fowls, (29) 481.
determination, (27) 497.
determination in—
corgange mather (32, 545, 135, 11, (36) 561
                                                                                                                                                                                                                               Dorer, notes, (2S) 137; (34) 752; (35) 54. breeding, (38) 142. culture in Alaska, (29) 743. flowers, shormalities, (37) 130. flowers, oxidases in, (37) 130. flowers, variation in, (35) 329. germanica, chondriosomes of, (34) 524. germanica, pidermal cells, (39) 528, 734. germanica, oxidase in, (31) 626. leaf blotch, studies, (34) 334. leaf spot, studies, (30) 349. pallida bacteriosis, studies, (20) 751. pseudacorus, carotinoid content, (31) 803. rot, notes, (40) b44. Irise, treatise, (26) 841; (2S) 743. Irise,
                                 organic matter, (32, 505; (35) 11; (36) 561. presence of chlorids, (35) 803. presence of organic matter, (34) 504. water, (29) 797.
                 effect on-
               corn, (33) 522.
hemp, (33) 432.
sacchardication of starch, (28, 609.
the circulation, (40) 274.
for breeding sows, (40) 185.
for hairlessness in pigs, (39) 187.
for prevention of goifer, (39) 187.
in foods, (35) 555, 761; (36) 561.
oil, germieidal power, (40) 882.
thyroid gland, (34) 580.
tuberculous tissue, (33) 283; (34) 580.
manufacture from seaweed, (27) 724.
titrations, source of error in, (34) 805.
toxic effect on plants, (38) 629.
use against hemorrhagic septicemia in cattle,
(31) 780.
                                  corn, (33) 522
                                                                                                                                                                                                                                 Irish-
                                                                                                                                                                                                                                                  Agricultural Organization Society, report, (33)
                                                                                                                                                                                                                               593.
Milk Commission, report, (30) 679.
Iron—see also Ferric and Ferrous.
agricultural study, (40) 726.
and aluminum, separation, (33) 313.
and manganese, antagonism between, (33) 30.
and manganese, antagonistic action on wheat
                                                                                                                                                                                                                                                         (36) 731.
                                                                                                                                                                                                                                                (36) 731.
arsenate, insecticidal value, (34) 60.
as antidote for cotton-seed meal poisoning, (29)
477; (34) 79; (38) 282, 370.
as growth stimulant for hemp, (33) 432.
assimilation by—
plants, (36) 633.
rice, (36) 431; (38) 728.
behavior during meat digestion, (28) 665.
chlorid, effect on activity of malt diastase, (29)
 use against nemorrangic septicemia in cattle, (31) 780.
use in absorption of tuberculous and other tissues, (33) 677.
vapor. larvicidal value, (34) 359.
Iodipin, nature and use, (26) 580.
Iodoantipyrin, periodids of, (36) 313.
  Iodoform-
  antiseptic and germicidal value, (37) 176.
detection in ethyl alcohol, (29) 312.
insecticidal and larvicidal value, (34) 359.
Iodotannic reagent, (40) 610.
Iole, new. description .(40) 351.
                                                                                                                                                                                                                                                 occiloidal, assimilation by rice, (32) 427.
compounds, inorganic, in chloroplasts of plants,
(33) 627.
```

```
Iron-Continued.
                                                                                                                                                                                                                                                                                                        -Continued.
                                                                                                                                                                                                                                                                                             n—Continue...
sulphate, destruction of—
dandelions by, (31) 835.
horsetail by, (31) 741.
moss by, (31) S36.
weeds by, (20) 333, 839; (28) 838; (31) 532;
(34) 228; (35) 340.
wild mustard by, '27) 536; (31) 44, 133, 739.
                    compounds, solubility in soils, (34, 720.
                  concentration in subsoil, (31 72).
content of cow's rulk, (27) 412.
content of urine, (27. 870.
corrusted, in irrigation construction, (31) 90.
deposition on mycelium of aquatic fungi, (27)
                  detection in cheese curd, (26, 315; (27) 811. detection in dairy salt, (27) 811. determination, (27) 409. determination in—
                                                                                                                                                                                                                                                                                              sulphate-
                                                                                                                                                                                                                                                                                                                  effect on plant growth, (35) 434.
effect on yield of beans, (34) 528
                                                                                                                                                                                                                                                                                                                   fertilizing value, (26) 536; (20) 326; (31) 31; (33) 841.
                                     blood. (39, 507.
cane and beet sugar factory products. (29)
                                                                                                                                                                                                                                                                                                                   for cottonseed meal-fed pigs, (31) 578; (36)
                                              613.
                                                                                                                                                                                                                                                                                              471.

injection into trees, (32) 754.
preparation and use, (40) 748.
use against fly larvie, (34) 160.
use against fly larvie, (34) 160.
use against grape chlorosis, (27) 850.
use against plant rust, (27) 47.
use in orchards, (33) 857.
sulphid, effect on assimilation of rock phosphate, (29) 419.
sulphid, functedal val v., (37) 46
welding, (29) 303
naveeds, analyses, (23) 320.
                                    613.
foods, (29) 809.
milk, (26) 31'; (27) 411; (28) 611, 808; (33) 875.
mineral phosphates, (34) 112.
organic wit-tances, (31) 809.
plant substances, (33) 502.
plants, (29, 797.
sul, (36) 814.
witer, (26) 709; (31) 502; (32, 504.
                effect on-
                                                                                                                                                                                                                                                                             Ironweeds, analyses, (23) 326.
                                                                                                                                                                                                                                                                           Ironwood—
as lignum vitae substitute, (40) 340.
black, fungus disease, (40) 160.
Irpex flavus, notes, (20) 241: (31) 152.
                                                                                                                                                                                                                                                                                              gation—
address on, (27) 78-
address on, (27) 78-
address on, (27) 78-
alkali distribution by, (10) 719.
amount and 1-acuvency, (27) 87, 885.
and land settlement in Western States, (35) 885
automatic, for truck gar-Rens, (20) 382.
bibliography, (31) 257; (32) 588.
border experiments, (40) 484.
border, slope of land in, (32) 588.
by borders or sloping checks, (38) 487.
cravity, (26) 788.
lateral percolution, (30) 486.
pumping, handhook, (28) 889.
pumping in western Kansas, (29) 121, 181.
underground pipe, (30) 590.
"zanidarns," (31) 782
canals—
                                                                                                                                                                                                                                                                             Irrigation-
                                                                                                                                                                                                                                                                                                elenon
                                                                                                                                                                                                                                                                                                                  and laterals, plaster lining, (33) 886. cleaning, (37) 285. concrete-lined, construction, (35) 186, 490,
                                                                                                                                                                                                                                                                                              concrete-lined, construction, (33) 180, 491, concrete lining, for, (27) 800; (32) 380, 491. construction of curves, (27) 788, cxa-vating with electrically driven dragline scrapers, (24) 855. flow of water in, (33) 183; (35) 195. gate structures for, (31) 782. leakage, prevention, (37) 497. lining, (27) 890; (37) 281. metal fluxes for, (30) 598. plant growth in, (37) 281, 285. plaster living, (33) 886. seepace losses, (33) 885, 886; (36) 595. silt problem in, (32) 882. transmission losses in, (34) 387. use of current meters in, (34, 281. centrifugal pumps for, (28) 800; (31) 588. computations, definitions and equivalents, (28) 186. concrete in, (32) 787.
                    phosphate, fertilizing volue, (25) 423, f22; (21)
                    phosphate, solubility and availability, (57) 324, precipit iting in presence of organic matter, (31)
                    precipitation by light and "lants, (20%2), pyrites, fertuazing value, (30) (27,
                    relation to-
                    chlorofs, (A), 522,
contide of Asperaillus niger, (20) 481,
grupe chloross, (20) 441,
removal from with supplie, (20) 617,
rôle in Lodo, ic. logich (20), 25) 862,
                    salts, detection in wood, (26) 242.
                    salts, effect on-
                                       ammoniacation and marification in soils.
                                                                                                                                                                                                                                                                                                  concrete in. (32) 797
                                     arnmoaln alion and marification in soft. (31) 123. cat 3 km, 12 5 504. for cars, 2 504. for cars, 
                                                                                                                                                                                                                                                                                               concrete in. (32) 757
concrete ripe for. (36) 581,
concrete ripe for. (36) 581,
concrete pressure pipe line for. (23) 454
concrete pressure pipe line for. (24) 45
concrete or in. 27, 885
Des hutes project. (33) 590,
development in United States, (26) 684,
distribution systems, (37) 185,
ditches, curves for velocity and discharge, (35)
787.
                    salts-
                  reaction in presence of proteins, (23) 410.
toxicity in soil, (36) 515.
toxicity towards clover, (33) 323.
separation from aluminum, (38) 10.
solubility in soils, (38) 727.
solution and precipitation in soils, (30) 718.
sprays, effect on forage crops grown on manganese soils, (33) 829.
                                                                                                                                                                                                                                                                                                ditch: , determination of center, (31) 588,
ditches, posturing sheep on, (40) 472,
drilling wells for, (32) 582,
economic advisability, (37) 184.
                                                                                                                                                                                                                                                                                                  effect on-
                                                                                                                                                                                                                                                                                                                   action of fertilizers, (26) 522.
alkali soils, (26) 224; (28) 319; (34) 16.
```

rrigation—Continued.	Irrigation-Continued.
effect on—continued.	in Florida, (36) 7-4.
apples, 26) 330; (27) 10 burning quality of tobacco, 38) 239. composition of alfalfa hay, (29) 139. composition of fruits, (29) 236.	Germany, (32, 35). humid regions (27) 555.
composition of alfalfa hay, (29) 139.	Too Vollor Porty (20, 48)
composition of ruits, (29) 236.	Idaho, (28) 890; (33) 553. Ilocos Norte, (32) 481. India, (27) 385; (28) 189, 730; (29) 683; (30) 187, 587, 588; (32) 481, 615; (33) 683; (37) 184, 585, 695; (33) 84, 186. Indo China, (33) 391. Italy, (33) 54; (34) 75; (35) 780; (37) 183
composition of potatoes, (29) 425. composition of sugar heets, (20) 226	India, (27) 385; (28) 186, 736; (29) 683; (30) 187,
corn. (31) 428. nitrification in soils, (31) 119.	587, 588; (32) 481, 615; (33) 683; (37) 184, 585,
plant succession, (35) 732.	596; (35) 54. 186. Indo China (33) 391
protein content of wheat, (30) 336.	Indo China. (33) 391. Italy, (33) 54; (34) 755; (35) 580; (37) 183. Jampur District, (34) 756. Java and Madoera, (33) 591. Java, Brutish India, and Indo China. (31) 89.
quality of wheat, (35) 833. salts and nitrates in solls, (36, 516	Jampur District, (34) 786.
soil bacteria, (31) 24.	Java, British India, and Indo China, (31) 89.
soil bacteria, (31) 24. soil moisture, (38) 320. water level in scals, (35) 813	Java, British India, and Indo China, (31) 89. John Day River valley, Oregon, (3b) 253. Kansas, (27) 785; (34) 785. Libia, (37) 184. Luzon, (25) 842.
water table in Egypt, (32) 123.	Kansas, (27) 788; (34) 785. Libia, (37) 184
water table in Egypt, (32) 123. electric pumps for, (27) 453; (34) 36	Luzon. (29), 892.
electricity in, (33) 554, 589.	313411148, (35) 359.
handbook, (33) 585; (37) 584	Modesto and Turlock districts, California, (30)
handbook, (33) 555; (37) 554 papers on, (37) 281.	Montana, (27) 385; (31) 684; (32) 882; (36) 486. Morgan Hili area, California, (36) 885.
principles in, (30) 756. trentise, (29) 653; (30) 557, (5)	Navajo and Hopi Ind. 41, reservations, (36)
treatise, (29) 603; (30) 587, 753 evaporation losses in, (27) 121.	485.
experiment station at Buenos Aires, (27) 185	Nebraska, (26) 992; (29) 259; (33) 858. Nevada, (31) 588.
experiments, see also special crops. experiments, (25) 532; (29) 31, 32, 138, 139, 181, 226, 434; (30) 31, 441; (31) 36; (32) 36, 224, 279, 827; (33) 390, 827; (40) 339.	New Mexico, (26) 892; (38) 659.
226, 484; (30) 31, 441; (31) 36; (32, 36, 224, 279,	New Mexico, (2h) 892; (38) 689. New South Wales, (2b) 892; (27) 183; (38) 653, 859; (34) 755; 37) 585. North Dakota, (26) 802; (29) 182.
827; (33) 390, 827; (40) 337. experiments—	North Dakota, (28) 802: (29) 182.
at Bromber 3, (31) 732. at Rochester, New York, (33) 683	Novouzensk district, (31) 382.
at Rochester, New York, (33) 683	Oregon, (29) 456; (31, 85; (33) 885, 889; (36) 485. Oregon, Malheur and Owyhce projects, (36)
in Arizona, (27) 529. Austria, (30, 886.	583.
Bromberg, (33) 683.	Papago Indian Reservation, Arizona, (29)
eastern Oregon, (32) 131 India, (28) 588, 828.	889. Pit River basin, (35) 285.
M80228SCar. (32) 187.	Pit River basin, (35) 285. Porto Rico, (29) 182, 893; (33) 485. Queensland, (27) 686. Rhodesia, (31) 588; (33) 885. Rogue and Willamette river valleys, (36) 282. Presion Surkletta (11) 819
Nebruska, (28) 827.	Queensland, (27) 686.
Prussia, (27) 531; (29) 426. western Oregon, (32) 185. on light sandy soil, (33) 286.	Rogue and Willamette river valleys, (36) 282.
on light sandy soil, (33) 286.	Russian Turkestan, (31) S12.
fall, (37) 822. farming—	Russian Turkestan, (31) S12. Sacramento Valley, California, (33) 186, 780. San Joaquin Valley, California, (35) 186. San Luis Valley, (34) 527. Santa Cruz Valley, Arizona. (30) 187. Siegerland, (29) 589. Siarra Newada (oathills (33) 286.
factors in, (38) 391. in Utah Valley, (40) 388.	San Luis Valley, (34) 527.
in Utah Valley. (40) '84. outlook, (27) 585.	Santa Cruz Valley, Arizona. (30) 187.
treatise, (30) 557.	Sierra Nevada foothills, (33) 286.
field laboratory at Denver, Colorado, (36) 583	Sierra Nevada foothills, (33) 286. Silver Lake region, Oregon, (35) 285. Sind, (27) 889. Snake River Basin, (32) 279.
flumes, concrete, construction, (38) 589. flumes, light-iron, notes, (30) 188.	Snake River Basin, (32) 279.
from a sait lake in Algeria, (27) 87. ground water in Big Smoky Valley, Nevada, (33) 778.	Smike River Basin, (32) 24,9, South Africa, (27) 686; (30) 787. South Australia, (27) 586; (31) 383. South Carolina, (27) 189. southeast Russia, (33) 884. Spain, (23) 484; (27) 183.
Nevola (33) 778	South Carolina, (27) 586; (31) 383.
reservoirs in western Kansas and Oklahoma, (30) 286. tube-wells, (31) 888.	southeast Russia. (33) 884.
homa, (30) 286.	
frost protection by, (32) 614.	Sudan, (29) 784. (31) 252. Teras, (33) 783; (31) 252. the Great Plains, (32) 384. Tularosa basin, New Mexico, (32) 785.
frost protection by, (32) 614. handbook, (27) 686; (29) 289. hydraulic laboratory at Fort Collins, Colorado	the Great Plains, (32) 384.
(30) 287.	Tunis, (31) 287, 492.
in Abyssinia, (30) 434. Algiers, (37) 384.	Turkestan, (36) 886.
Algiers, (37) 384. America. (32) 481; (34) 482.	Union of South Africa, (31) 492. United States, (26) 292; (28) 888; (30) 692;
Anam, French Indo China, (36) 89.	United States, (26) 292; (28) 888; (30) 692; (31) 588; (37) 183.
Anam, French Indo China, (36) 89. Argentina, (26) 188; (28) 399; (37) 183. Australia, (28) 484; (31) 88, 185; (32) 399; (37)	United States, treatise, (34) 784; (38) 389. Utah, (29) 722; (31) 88.
184.	Valais Canton, Switzerland, (34) 85.
Bengal, (27) 291; (29) 486; (31) 684; (34) 586;	Vermont, (32) 587.
Bengal, (27) 291; (29) 486; (31) 684; (34) 586; (35) 580; (37) 484. Bihar and Orissa, (32) 84; (34) 85.	Vermont, (32) 587. vicinity of Enid, Oklahoma, (32) 383. vicinity of Wichita, Kansas, (31) 88.
Bombay, (27) 586; (35) 578. British Columbia, (28) 484; (30) 287; (35) 385;	Victoria, (28) 683; (30) 887; (31) 296; (34) 682,
British Columbia, (28) 484; (30) 287; (35) 385;	Washington State, (35) 885.
(38) 288. California, (27) 483, 686; (29) 386, 588; (30) 599;	Victoria, (28) 683; (30) 887; (31) 296; (34) 682. Washington State, (35) 887; (31) 296; (34) 682. western Australia, (30) 587; (35) 489. western Canada, (33) 780.
California, (27) 483, 686; (29) 386, 588; (30) 599; (34) 682; (35) 82, 284; (37) 486, 585.	western Nebraska, (31) 328.
Canada, (26) 744; (29) 84; (31) 888; (35) 82, 684; (36) 682.	western Nebraska, (31) 328. Western States, (31) 888; (33) 885. Wyoming, (27) 385; (29) 84; (33) 390, 583.
Cape of Good Hope, (27) 788.	information for beginners, (38) 186.
Catalonia and Aragon, (29) 182. Chula Vista district, California, (39) 591.	investigations, (27) 585, 819; (28) 130, 132, 134, 229, 332; (30) 786; (32) 586; (33) 87; (34) 282; (39)
Colorado, (27) 291; (36) 582.	229, \$\bar{3}2; (30) 786; (32) 586; (33) 87; (34) 282; (39) 792.
Colorado, (27) 291; (36) 582. Colorado River Delta, (28) 484. Crooked River basin, (35) 385.	
Dutch East Indies, (34) 884.	laterals, concrete lining for, (35) 491 law in Oregon, (31) 587.
Dutch India, (31) 288.	law of minimum in, (32) 481.
Egypt, (27) 188; (29) 784, 816; (35) 794, 886; (37) 693.	law, textbook, (35) 185. law, treatise, (31) 586.

Irrigation—Continue i.	Irrigation—Continued.
laws in—	scheme, Gezira, in Sudan, (40) 791.
Californ a, (35, 855. Canada, 35, 885.	seepage and return waters, (38) 288.
Canada, 35, SS3.	seepage water, ownership and disposal, 33, 486.
Idaho, (36) 384. Kansac, (28) 496.	seep ige waters from, (23) 83, spray, 36, 887; (37) 693.
Nebraska, (27) 201; (30) 450.	spray system, description, (30) 486, 587.
New Mexico, (30) 485; (33) 682.	stand pipes, construction and operation, (30)
Washington, (37) 693.	889.
Wyoming, (39) 45b. lysimeter investigations, (40, 432.	structures, design, (38) 288. structures, use of coment in, (37) 787.
machine, in southe tot Russia, (33) 884.	structures, wood v. concrete for, (35) 491.
modern methods, (27) 889.	sun-power plant for, (31) 688.
municipal, from Los Angeles aqueduct, (33) 485.	supplementary, in dry farming, (29) 7-5.
near Oklahoma Ci-y, Oklahoma, (32) 384.	surface, in eastern United States, (38) 788. surface, v. suburrigation for vegetables, (29) 638.
neighborhood cooperative system, (26) S92.	systems—
notes, (28) 889; (29) 85, 540; (31) 383, 494, 782;	loss of water in, (31) 782.
(32) 333. of alfalfa pastures, (38) 68.	maintenance, 34) 482.
citrus orchards, (33) 779.	management, (31) 89. notes, (27, 290.
fruit, insufficient and excessive, (35) 241.	operation and maintenance, (35) 589.
gardens, possibilities, (28) 785.	seepage losses from, (23) 181, 286.
grain crops, (35) 186. orchards, studies, (27) 743.	tracts, surveying and laying out, (31) 486.
rice, (33) 337.	treatise, (31) 383; (32) 784; (33) 389, 585, 586, 584; (35) 185, 491; (37) 185, 581, 587.
overhead—	tunnel in Colorado, (25) 892.
for frosted cranberries, (31) 740.	under C wey Act, (40) 786.
in citrus groves, (27) 788. notes, (38) 788.	uplan 1, notes, (23) 130.
tests, (30) 593, 640.	use of sea water for, (33) 392. use of sewage in, (25) 716.
pamphiet, (29) 181.	use of small waterfalls for, (36) 89.
papers on, (31) 38.	use of windmills in, (29) 891.
plants, consumption of electric energy by, (36)	Valier-Montana project, (33) 485.
plants, small, erection and operation, (31) 888.	waste of water in, (27) 299. water—see also Water.
practice and engineering, treatise, (34) 431, 432, private v. government, (27) 483; (30) 887.	capacities of soils for, (39) 213.
private v. government, (27) 483; (30) 887.	duty of, see Water, duty of.
problems, notes, (27) 789.	rights least ation, (49) 483.
elect real, notes, (PS) 289.	use, (40) 353 wheel for, (36) 185.
elect real, notes, (25) 289. in Milk River, Mont., cost data, (35) 89.	weir, description and tests, (35) 81.
Orange free state, (29) 451.	windmills for, (38) 186.
Oregon, (27, 414; (34) \$5.	with saline waters, (39) 792.
South Africa, (31) 418. Washington, (29) 480.	with sewage, (27) \$18; (36) 183. with silt-corrying water, (34) 513.
on Colorado River, (26) 214.	with silt-carrying water, (34) 513. wood stave pipe in, (29) 84. wooden flumes for, (36) 586.
projects-	wooden flumes for, (36) 586.
accounting for, (35) 284, 385. corrugated iron construction in, (31) 90.	work, classification of expenditures for, (35) 284, 385.
diverting dams and gates for, (31) 89.	work, conversion table and diagram for, (27) 87.
in Russia, (34' 85.	work, slope-stake tables in, (27) 385.
pumping on, (40) 188.	works, hydraulic and excavation tables for,
snow surveys in, (27) 510. use of water on, (40) 187.	(35) 490.
public, financing, (26) 685.	works, operation, (33) 683. works, treatise, (26) 787, 788.
pumping—	Irritability in plants, studies, (29) 421.
eost, (33, 87; (36) 88.	Isachne spp.—
cost in Nebraska, (38) 187.	descriptions and analyses, (31) 431. of Java, (35) 440.
electric power for, (27) 889; (35) 386. for, (31) 557, 588; (35) 787; (37) 185, 585. in Pacific coast States, (33) 884.	Isaria—
in Pacific coast States, (33) 884.	arachnophila, notes, (40) 459.
notes, (21) 188.	densa, notes, (28) 334.
plant, description, (27) 385. plants for, (28) 83, 84; (29) 784; (30) 385, 485.	farinosa, parasitic on larch sawfly, (26) 63. fungus, use against black scale, (33) 858.
plants for, (25) 83, 84; (29) 784; (30) 385, 485, 587; (37) 384; (38) 186.	psychidae n.sp., investigations, (29) 46.
plants, tests, (30) 487, 888; (37) 283; (38) 590;	psychidae, studies, (27) 758. sp., on root weevil larvae, (36) 153.
(39) 792.	sp., on root weevil larvae, (36) 153.
power and rates, (37) 786. treatise, (33) 884.	sp., studies, (27) 565. spp., descriptions, (33) 459.
pumps—	Isatis tinctoria—
for, (34) 482.	carotinoid content, (31) 803.
kerosene motor for, (27) 290. selection, (35) 887.	stomatal movement in. (26) 627.
small v. lorge, (28) 186.	Ischaemum laxum, analyses, (28) 768. Ischaemum spp., notes, (26) 361.
tests, (35) 580.	Ischnodemus fallicus, notes, (35) 657,
regulation and conservation in United States,	Iseilema, Indian species, (39) 234.
(27) 188. relation to—	Isellema laxum, analyses, (28) 768. Isobutyric acid, occurrence in silage, (28) 608.
alkali accumulation, (33) 419.	Isocolibacillosis in calves, (39) 686.
apple bitter pit, (36) 50.	Isocolibacillosis in calves, (39) 686. Isodromus abnormicornis n.sp., description, (36)
apple spot diseases, (38) 753.	556.
rainfall, (28) 316. snowfall, (29) 813.	Isodromus iceryae, notes, (31) 757. Isoetes lacustris, parasite of, (40) 249.
soil bacteria, (37) 86.	Isoguyacin, chemical formula for, (31) 309.
soil permeability, (32) 586; (38) 788.	
requirements of Yuma project, (40) 484.	Isometopidae of North America, (38) 560.
reservoirs, evaporation and seepage from, (34) 387.	Isopoda, terrestrial, check-list, (40) 547. Isopoda, terrestrial, parasite of, (39) 563.
reservoirs, unlined, (37) 585.	Isoprene from β-pinene, (34) 502.

Isopyrum spp., hydrocyanic acid in, (39) 27. Isosoma—	Jack fruit, analyses, (32) 761.
grande, notes, (35) 58; (36) 59. injurious to grain crops in Russia, (33) 563.	Jackals, relation to canine piroplasmosis, (28) 83.
orchidearum—	advertising in Indiana, (31) 75. breeding in United States, (39) 74.
life history and remedies, (32) 453. notes, (28) 854; (36) 252.	care and management, (30) 772. in Indiana, (37) 169; (39) 73.
studies, (35) 660. spp., remedies, (37) 263.	Oklahoma, (37) 169; (40) 76. Utah, (37) 681; (39) 73; (40) 473.
vaginicolum n.sp., description, (36) 59.	wisconsin, (34) 470; (35) 473.
Isothermal region, height and temperature of, (26) 118.	Heensed, distribution (20) 168
Isotomurus palustris maculatus, notes, (28) 654. Italian Colonial Agricultural Institute at Florence,	licensed in Urah, (31) 471. public service, in Wisconsin, (38) 275. pure-bred, in Montana, (36) 470.
(35) 695.	
Italian dishes, receipes, (38) 662. Itinerant instruction in animal husbandry, (28) 92.	Jaegers, North American, distribution and migra- tion, (34) 158.
Itonida— anthici n.sp., notes, (29) 357.	Jagziekte in sheep, studies, (33° 384. Jalalia, culture exper ments, (27) 336.
catalpae, see Catalpa midge. inopis, notes, (29) 656.	Jaiysus spinosas, notes, (32) 753; (35) 657.
opuntiae, notes. (33) 252.	Jams— adulteration, (29) 00.
tritici n.sp., description, (28) 657. Itonidae, feeding habits, (26) 860.	analyses and adult-ration, (30) 461. evamination, (25) 168; (30) 258.
Itonididae—	preparation, (31) 315, (32) 253. Jand forests of Punjab, (34) 46.
of Germany, (31) 153. of New York, (34) 752.	Janus appreviatus, notes, (37) 255.
studies, (28) 455. zoophagous, list. (33) 255.	Janus luteipes injurious to osiers, (33, 659. Japan current and climate of California, (31) 213.
Itoplectis— conquisitor—	Japanese— beetle, see Popillia japonica.
feeding habits, (29) 261. notes, (28) 755; (31) 752.	beetle fungus, propagation, (23) 652.
parasitic on oud moth, (34) 250.	boiled oil, analyses, (28) 493. cane, see Sugar cane.
masculator, notes, (27) 562. obesus n.sp., description, (38) 565.	diet of, (26) 763. Jasmine, yellow, poisoning of cattle, by (34) 80.
Ittys perditrix n sp., description, (40) 760. Iva xanthifolia. analyses, (34) 39.	Jassidae—
Ives tint photometer, description, (36) 207.	hymenopterous parasites of, (34) 557. North American, distribution and ecology,
Ives tint photometer, use, (37) 110.	(27) 656. Jassidophthora n.g. and n.spp., descriptions, (27)
nut meal, analyses, (38) 369. vegetable, as a coffee adulterant, (28) 862.	554. Jassoidea of—
vegetable, notes, (30) 46. vegetable, studies, (33) 845.	central Mississippi Valley States, (35) 853.
Ivy—	Maine, (33) 356. Missouri, (35) 463; (37) 157.
ground, poisoning of horses by, (32) 278. injurious effects on trees, (35) 636.	North America, key, (30) 754. Tennessee, (36) 654.
Japanese, Cladosporium disease of, (31) 347, 844. scale, notes, (29) 654.	Jassus sernotatus attacking rye, (34) 754.
scale on olive, (38) 157. volatile poison of, (31) 280.	Jatrogha cureas, poisonous substances in seeds, (31) 775.
Ixla maculata, bacteriosis of, (29) 844.	Jaundice— infectious, see Spirochaeta icterohaemorrhagiae.
angustus, life history, (30) 60; (31) 79.	malignant, see Piroplasmosis, canine. Java Sugar Station, report, (26) 610.
holocyclus, destruction, (36) 678. holocyclus, notes, (31) 679.	Javelle water—
n.spp., descriptions, (27) 460, putus, description of larval stage, (27) 361.	in treatment of wounds, (38) 555. toxicity, (39) 586.
ricinus, notes, (28) 82; (40) 585, 587. ricinus, occurrence in New Zealand, (26) 460.	Jay, California blue, destructive to almonds, (29) 52. Jeffrey pine beetle, notes, (26) 561.
ricinus, relation to louping-III, (40) 384.	Jellies— adulteration, detection, (27) 806.
spp., notes, (27) 865; (29) 58. Ixodidae—	detection of added acids in, (32) 162.
biology, (20) 58; (34) 857.	examination, (25) 166; (32) 162. examination methods, (39) 611, 612.
North American, notes, (27) 460. of Argentina, (38) 468. of Brazil, (27) 361.	Jelly— making, (29) 798; (35) 418; (37) 715; (39) 571, 808;
Ixodiohagus caucurtei, notes, (27) 564; (30) 255. Ixodoidea, monograph and bibliography, (35) 263.	(40) 414.
Ixodoidea, monograph and bibliography, (35) 263. Jaboticaba, description, (31) 536.	making, pectin test, (40) 558. making, principles, (27) 463; (31) 299.
Jack Dean Dorer, House, (33) 333.	making with sugar savers, (40) 558. pectins forming, (40) 202.
Jack beans— as cover crop (33) 535; (34) 736.	plant, culture experiments, (31) 441. powders, examination, (30) 664.
as green manure, (37) 320. composition and digestibility, (33) 267.	preparation, (31) 310; (32) 203; (30) 419; (30) 114.
culture, (30) 335; (32) 226. culture experiments, (28) 136; (35) 528; (37) 729;	preparation and judging, (30) 259. preparation from citrus fruits, (35) 113.
(38) 827.	remede, our and management, (ob)
culture in Guam, (40) 328. digestibility and productive value, (37) 865.	Jerusalem corn— culture experiments, (28) 532.
globulins of, (40) 308. injurious to pineapples, (33) 535.	drought resistance of, (28) 633. Jewish Agricultural and Industrial Aid Society,
insects affecting, (27) 155.	(28) 688; (30) 693; (32) 893; (36) 894; (39) 89. Jimson weed early blight, notes, (38) 451.
notes, (28) 838; (31) 336. proteins of, (37) 8.	Jimson weed, notes, (30) 145.
urease content, (35) 612. varieties, (30) 828. yields, (39) 434.	Jinja, transmission by blood-sucking insects, (26) 150.
vields. (39) 434.	Job's tears, notes, (26) 361. Job's tears, variety used as food, (40) 658.

Johne's-	June beerle—Continued.
bacillus—	green, remedies, (35)
biology of, (31) 283.	notes, (28) 108; (30) 600; (33) 252; (34) 732
caseation of tissues by, (33) 480.	western lined, notes, (32) 556.
culture. (27) 482; (28) 481.	June bugs—
pathogenicity, (29) 255.	analyses and feeding value, (38) 72.
specific agglutination and amboceptor for,	green, notes, (29) 453.
(28) 179.	June grass, sulphur in, (31) 817.
studies. (26) 783.	Juniper—
disease—	alligator, germination of seed, (29) 541 as affected by mistletoe, (31) 540.
and avian tuberculosis, relationship, (28)	
476.	bug notes, (30) 657.
animals suscentible to, (29) 285.	Chinese, rust, notes, (29) 547 gall, description, (37) 253.
complement-fixing antibodies in, (31) 882.	nlent har noise (34, 759
diamosic (98) 179 481	rots notes (27, 273
in sheen studies (29) SI	plant bug, notes, (34) 752 rots, notes, (27, 253, rust, notes, (31) 641.
control in England, (36) 275. diagnosis, (28) 179, 481. in sheep, studies, (29) 81. notes, (22) 181; (33) 180; (34) 184, 575; (39) 81,	scale, notes, (30) 154.
582, 589.	scale, notes, (30) 154. Utuh, notes, (27) 347.
occurrence and transmission, (36) 382.	webworm, notes, (28) 554; (35) 54.
pathological anatomy, (29) 284	webworm, notes, (23) 554; (35) 54. webworm, occurrence in New York, (26) 146.
studies, (26) 380; (28) 81, 82; (37) 479; (38) 282.	witches' broom affecting, (31) 50.
treatise, (32) 273.	Junipers—
treatment, (29) 587; (31) 283; (35) 76.	Himalayan, wood structure, (33) 645
Johnson grass—	insects affecting, (34) 450.
analyses, (30) 565.	list, (35) 44.
and Sudan grass seeds, distinguishing charac-	of Rocky Mountain region, (33) 313.
ters. (35) 834; (37) 236.	Juniperus—
as forage crop, (31) 829.	communis, notes, (30) 145.
botanical notes and culture, (35) 640.	utahensis, notes, (27) 317.
chloroform extract of, (31) 71.	virginiana, bark rusts of, (30) 514.
culture experiments, (34) 227.	virginiana, culture in Germany, (30) 646.
destruction, (27) 536.	Jupiter, surface currents, (36) 719; (38) 510.
eradication, (34) 227, 735; (37) 529; (38) 634; (39)	Jute-
37, 736.	and its substitutes, (34) 227.
feeding value, (29) 869.	as green manure, (27) 337. breeding experiments, (38) 526.
germination, (40) 222. grades of, (34) 528.	oulture experiment, (26) 22: (27) 829: (28) 526
hay, composition, (27) 668.	culture experiments, (26) 23s; (27) 638; (30) 525
hay, digestibility, (27) 669; (37) 168.	(38) 336, 526; (39) 230. culture in India, (28) 736.
hay, mineral constituents, digestibility, (40)	culture in India and Indo-China, (35) 736.
769.	culture in Purnea, (40) 238.
root system, (36) 438.	fertilizer experiments, (27) 638; (29) 830; (33)
seed, resistance to desiccation, (40) 39.	624; (35) 736; (39) 523.
silage from, (39) 272.	fiber, African, (39) 442.
Johnson, S. W., letters and papers of, (30) 2, 94.	fiber, tests, (31) 526.
Joint-iil	fiber, water absorption capacity, (37) 736.
in foals. (28) 82, 184; (36) 581, 582; (39) 891.	improvement, (38) 637.
mixed infection vaccine in, (33) 879.	Indian, analyse and valuation, (30) 138.
treatment. (40) 181.	inheritance of color in, (27) 428.
Joints—	insects affecting, (27) 54. leaf spot disease, (36) 348.
nonspecific inflammations of, (36) 676.	leaf spot disease, (36) 348.
timber, tests, (31) 488.	Rhizoctonia diseases, (30) 845; (40) 48, 347.
Jolly bodies in erythrocytes of mammals. (29) 478.	root rot, notes, (29) 445.
Jorhat experiment station, report, (33) 227.	sclerotial diseases, notes, (38) 351.
Journal of Agricultural Research—	seed, raffinose in, (37) 710.
editorial on, (31) 601. preparation of articles for, (32) 796.	self-fertilization in, (27) 428. substitutes, (38) 208; (39) 510.
Jowar—	varieties, (27) 638; (28) 736; (30) 525; (37) 825.
analyses, (38) 572.	wastes, fertilizing value, (29) 129.
culture experiments, (39) 229.	Kachess dam, Washington, construction, (29) 386.
pollination and cross-fertilization, (38) 435.	Kafir—
seed position in planting, (40) 635.	analyses, (27) 469; (31) 863; (34) 865; (36) 65.
smuts, notes. (38) 548.	end corn transmiration (20) 440
sweet, as source of sugar. (32) 136.	and cowpeas, slinge from, (28) 734. as dry-farm crop. (37) 329, 637; (39) 736. feeding stuff, (32) 68. grain crop. (29) 738. sliage crop., (38) 630; (39) 33, 134; (40) 330. ash analyses, (29) 581.
Juglans-	as dry-farm crop. (37) 329, 637; (39) 736.
californica quercina—	feeding stuff, (32) 68.
description, (30) 644.	grain crop, (29) 738.
mutation in. (34) 236.	suage crop, (38) 630; (39) 33, 134; (40) 330.
origin, (32) 46.	asn analyses, (29) 861.
nigra, development of fat in, (30) 411.	beams, cureure initial in a farming, (50) 350.
regia as a food adulterant, (26) 888. regia, utilization of wood, (28) 544.	beans, varieties, (30) 435.
Juglone, detection in walnuts, (30) 412.	breeding experiments, (39) 736.
Juice heaters, vacuum, studies, (36) 387.	chop, analyses, (26) 467; (28) 465; (34) 169, 467 (36) 765; (38) 369; (39) 370; (40) 571.
Jujubes—	chop, digestibility, (31) 863.
culture in China, (38) 446.	covered kernel smut on, (39) 756.
culture in southern Texas, (32) 539.	culture, (32) 226.
Julus hortensis, notes, (28) 554.	culture and use. (32) 40.
Junco hyemalis—	milture experiments (27) 520 (28) 529 (20) 225
coccidiosis in, (26) 187.	426; (30) 632; (32) 526; (33) 32; (34) 630; (35) 829; (36) 131; (37) 132, 331, 730; (38) 631, 829 831; (39) 129, 434; (40) 32, 624.
destruction of grain aphids by, (29) 453.	829; (36) 131; (37) 132, 331, 730; (38) 631, 829
Juneus-	831; (39) 129, 434; (40) 32, 624.
balticus, analyses, (29) 270.	culture in-
balticus, digestibility, (32) 770.	Arizona, (32) 226.
effusus as a litter for cows, (35) 175.	Guam, (40) 327.
June beetle—see also Lachnosterna and Phyllo- phaga.	Montana, (33) 526.
bacterial disease of, (32) 61.	southern Great Plains area, (33) 332.
green, notes, (33) 57.	Texas Panhandle, (29) 429; (35) 440. depth of plowing tests, (40) 624.

	Kala-azar—
digestibility and productive value (37) \$65	canine and human, relation, (32) 31. induced development of, (33) \$62.
drought resistance of, (28) 633.	induced development of, (33) 562, monograph, (39) 683, notes, (27) 55. parasite, development, (28) 655, prevalence in India, (28) 655, studies, (37) 357.
dwarf, digestibility, (36) 660.	notes, (27) 55.
fats and fatty acids of, (38) 410.	parasite, development, (28) 655.
fertilizer experiments (31) 421: (40) 63.278.	prevalence in India, (28) 655.
flour bread, tests. (27) 63.	transmission by healthnes (26) 760
fodder, chloroform extract of, (31) 71.	transmission by bedbugs, (26) 760. transmission by blood-sucking insects, (25, 170.
fodder, composition, (27) 668.	Kaianchoe paniculata, analyses and digesticility.
fodder, composition, (27) 668. fodder, digestibility, (27) 669; (37) 168. from South Africa, analyses, (34) 530.	_(32) 107.
	as forage crop, (39) 33S.
grain smut, notes, (29) 547. graphic summary of seasonal work, (39, 495.	
graphic summary of seasonal work, (39, 495.	coccinellids affecting, (33) 256.
growing with legumes, (40) 822.	cooperative experiments, (29) 138.
hydrocyanic acid in. (30) 584.	culture for force (33) 24 +32
growing with legumes, (40) 822. head chop, analyses, (31) 863. hydrocyanic acid in, (30) 584. improvement, (40) 737.	culture for winter forage, (38) 735.
inosite buosphoric acids of (59) 14.	outin, as tage or of refer, (33) 256. cocinellids affecting, (33) 256. cooperative experiments, (29) 138. culture experiments, (32) 132; (36) 436. culture for forage, (33) 24, 532. culture for winter forage, (38) 735. fertilizer experiments, (26) 831; (30) 532; (32) 547; (35) 235; (36, 425.
kernel, physical and chemical study, (39) 164.	(35) 235; (36, 425,
leaves, variation of water and dry matter in, (37) 637.	lightning mury to. (38) 149
meal, analyses, (31) 863; (36) 765. melon, analyses, (32) 166. milling and baking tests, (40) 361.	irrigation exper.ments, (32: 196. lightning injury to, (38) 149. marrow-stem, culture experiments, (36) 735, pollunation experiments, (35) 742
melon, analyses, (32) 166.	pollination experiments, (35) 342.
milling and baking tests, (40) 361.	Ragged Jack, notes, (27) 435.
mineral constituents, digestibility, (40) 769. notes, (26) 362; (31) 333.	polluration experiments, (35) 742. Ragged Jack, notes, (27) 445. root-louse injury, (40) 60. sea, cooking, (31) 856.
mineral constituents, digestibility, (40) 769. notes, (26) 362; (31) 333. nutritive value and use in the diet, (29) 864. orange, notes, (30) 145. soore card for, (31) 832. seeding experiments, (38) 630; (40) 522. silage for calves, (39) 71. smut, description and treatment, (32) 146. starch content. (35) 108.	seed, growing, (40) 340. seed, home-grown, (38) 298. seed selection, (32) 827. seed, vitality, (27) 740. thousand-headed—
orange, notes, (30) 145.	seed, home-grown, (38) 298.
score card for, (31) 832.	seed selection, (32) 827.
silage for calves. (39) 71.	thousand-headed—
smut, description and treatment, (32) 146.	as forage crop, (38) \$27.
starch content, (35) 103. use in bread making, (34) 67. varieties, (37) 338; (39) 33. varieties for central and southern Great Plains,	culture, (27) 340; (32) 226.
use in Dread making, (34) 57.	culture experiments, (28) 531; (30) 632.
varieties for central and southern Great Plains.	v. marrow cabbage, (32) 827.
(35) 832.	varieties, (29) 530; (31) 829.
(35) \$32. varieties for Silage, (39) 134. varieties for Texas, (39) 838. water requirements, (32) 335. weight of heads, relation to number of whorls, (40) 830.	thousand-headed— as forage crop, (38) \$27. culture, (27) 340; (32) 226. culture experiments, (28) 531; (30) 632. culture on muck soils, (33) 33. v. marrow cabbage, (32) \$27. varieties, (26) 530; (31) 829. varieties, (26) 631, 835; (27) 32; (31) 829; (33) 38 Kaliofenusa ulmi, notes, (27) 658. Kaliosyshinga—
water requirements, (32) 335.	Kaliosysphinga—
weight of heads, relation to number of whorls,	dohrnii, notes, (32) 550.
(40) 330.	dohrnii, notes, (32) 550. ulmi—see also Kaliofenusa ulmi.
weight ratios, (36) 131. wilting coefficient, (32) 335. yields, (40) 330, 331.	life history and remedies, (29) 557. notes, (28) 57, 351. Kalmia latifolia, leaf blight of, (39) 253
vields, (40) 330, 331.	Kalmia latifolia leaf blight of /30) 253
yields of stover, (40) 550.	K STIPSTOO-
Kafirin	botfly, notes, (29) 761. grass, analyses, (27) 499; (30) 565. Kanker-bosje, culture experiments, (30) 632. Kanona tankage, availability of nitrogen in, (35)
chemistry of, (37) 8. hydrolysis, (40) 110.	grass, analyses, (27) 469; (30) 565.
nutritive properties. (38) 570.	Kanona tankage, availability of nitrogen in. (35)
nutritive properties, (38) 570. Kaing grass, microscopy of pulp, (27) 315.	421.
Kotnit	K.3HS3S—
composition, (27) 422; (28) 819. destruction of weeds by, (29) 215; (31) 532, 739; (32) 138; (35) 340; (36) 639; (37) 446. effect on—	College— alumni record, (32) 895.
(32) 138; (35) 340; (36) 639; (37) 446.	history and growth, (30) 297.
effect on—	notes, (26) 395; (27) 197, 697, 900; (28) 300,
concrence of soils, (31) 123.	396, 494, 696, 900; (29) 97, 497, 698; (30) 198, 600, 796; (31) 197, 398, 796; (32) 396,
lime in soil. (33) 326.	599, 900; (33) 300, 794; (34) 295, 695, 900;
coherence of soils, (31) 123. germination of salts, (29) 329. lime in soil, (33) 326. nitrogen fixation, (28) 816. resistance of grain to hail, (30) 519.	atumni record, (32) 895. history and growth, (30) 297. notes, (26) 395; (27) 197, 697, 900; (28) 300, 396, 494, 696, 900; (29) 97, 497, 698; (30) 198, 600, 796; (31) 197, 298, 796; (32) 386, 599, 900; (33) 300, 794; (34) 295, 695, 900; (35) 96, 300, 798; (36) 196, 499, 694; (37) 196, 497, 700; (38) 96, 299, 498, 699; (39) 96, 300, 599, 693; (40) 98, 497, 600, 798. Horse Breeders' Association, report, (29) 878. Stata Good Roach Association, report, (28) 788.
resistance of grain to hail, (30) 519.	196, 497, 700; (38) 96, 299, 498, 699; (39) 95,
water conservation in calls (22) 494	Horse Breeders' Association report (90) 872
yield of cotton, (31) 136, (50) 252, yield of cotton, (31) 136, (50) 252, (57) 125, 429, 638, 725, 587; (28) 425, 832; (29) 126, 319, 335, 336; (30) 436, 636; (31) 226, 530, 820, 821, 829; (32) 630; (33) 432; (34) 22, 431; (38)	Horse Breeders' Association, report, (29) 873. State Good Roads Association, report, (28) 783. Station, notes, (27) 197, 397, 690, 697; (28) 300, 494, 696, 900; (29) 97, 497, 698; (30) 198, 600, 796; (31) 197, 300, 496, 796; (32) 396; (33) 300, 794; (34) 295, 495, 695, 900; (35) 300, 798; (36) 196, 499, 694; (37) 196, 299, 497; (38) 96, 299, 498, 699; (39) 500, 695; (40) 98, 497, 798. Station, report, (34) 693; (36) 195; (38) 697; (40) 397
fertilizing value, (26) 329, 330, 526, 537, 736; (27)	Station, notes, (27) 197, 397, 600, 697; (28) 300,
125, 429, 638, 725, 837; (28) 425, 832; (29) 126,	494, 696, 900; (29) 97, 497, 698; (30) 198, 600,
819, 800, 800, (30) 430, 030; (31) 220, 330, 820, 821 829 (32) 830 (33) 132 (34) 22 431 (38)	794: (34) 295 495 695 990: (32) 396; (33) 300, 798: (36)
210, 010,	196, 499, 694; (37) 196, 299, 497; (38) 96, 299,
for asparagus, (28) 339.	498, 699; (39) 500, 695; (40) 98, 497, 798.
corn, (32) 732.	Station, report, (34) 693; (36) 195; (38) 697; (40)
meadows. (33) 330.	Kanten, chemical studies of algae used in. (40) 110.
moor solls, (39) 438.	
sweet potatoes, (33) 337.	analyses, (33) 361.
nygroscopicity, (35) 631.	as table 100d, (33) 361.
Kalusz, analyses, (33) 424.	culture experiments, (20) 424: (32) 526: (33) 333:
nitrogen absorption capacity, (28) 325.	(36) 34; (40) 433.
use against cotton rust, (32) 735.	culture in Texas, (39) 838.
corn, (32) 732. cotton, (31) 40. meadows, (33) 330. moor soils, (39) 438. sweet potatoes, (33) 337. hygroscopidity, (35) 631. imports into United States, (31) 726. Kalusz, analyses, (33) 424. nitrogen absorption capacity, (28) 325. use against cotton rust, (32) 735. Kaki, classification, (31) 639. Kakiyoria flayofasciata on persimmon, (40) 52,167.	Asolang— analyses, (33) 361. as table food, (33) 361. covered kernel smut on, (33) 756. culture experiments, (20) 424; (32) 526; (33) 333; (36) 34; (40) 433. culture in Texas, (39) 838. culture in Texas Panhandle, (20) 430. description and culture, (32) 736. drought resistance of, (28) 633. feeding value, (39) 71.
Kakothrips pisivora, notes, (37) 257.	drought resistance of, (28) 633.
Kakothrips pisivora, notes, (37) 257. Kakothrips robustus, studies, (34) 450.	feeding value, (39) 71.

Kaoliang—Continued.	Keratin, tryptophan in, (28) 411.
for pigs, (33) 380. grain, digestibility, (36) 661.	Keratitis— acute, notes, (26) 482.
notes, (28) 534.	infectiosa in cattle, (37) 691.
starch content, (35) 108.	infectiosa in reindeer, (35) 488. infectious, studies, (40) 585.
varieties, (37) 338. Kaolin—	Kermes-
adsorption in, (31) 814.	pubescens, chalcidoid parasites of, (26) 254.
determination of absorptive power, (31) 514. effect on linseed oil, (28) 714.	sassceri, notes, (37) 255. Kerosene—
Kaong, culture and use, (32) 46. Kapok—	adaptation to gasoline engines, (31) 187.
culture experiments, (30) 434.	as fuel for internal combustion engines, (30) 892 as substitute for gasoline, (32) 788.
culture in German colonies, (31) 136.	as substitute for gasoline, (32) 788. as wood preservative, (32) 841.
fiber, examination, (39) 442. fiber, use, (31) 736.	carbureter, description, (31) 92; (38) 492, carbureters for, (36) 288.
industry, notes, (30) 233.	effect on corn, (32) 729.
insects affecting, (26) 354.	emusion, new, description, (36) 252.
industry, notes, (30) 233. insects affecting, (26) 354. notes, (26) 353; (30) 735; (31) 736. seed meal for cattle and pigs, (30) 568.	engines, prevention of pounding in, (35) 585, for farm tractors, (32) 887.
seed on, mydrogenated, properties of, (34) 9.	for internal combustion engines, (32) 687.
trees of Togo. (30) 46. Karanj cake, fertilizing value, (26) 631.	illuminating power, (32) 487; (34) 488. lamps, tests, (27) 388.
Karite, insects affecting, (28) 555.	larvicidal value, (37) 464.
Karut, analyses, (27) 268. Kastle I H. biographical skatch (35) 506	motor, use in irrigation, (27) 290.
Kastle, J. H., biographical sketch, (35) 596. Katabolism, basal, studies, (39) 270.	oil, detection, (28) 412. power from, (29) 184. toxicity, (38) 760.
Katathermometer, description, (33) 367. Katmai dust cloud, duration, (30) 417.	toxicity, (38) 760.
Katmai volcano eruption, effect on atmospheric	tractor, notes, (27) 791. trap for fruit flies, (29) 656. trap, use against Mediterranean fruit fly, (34)
transparency, (29) 121.	trap, use against Mediterranean fruit fly, (34)
Katydids injurious to oranges, (33) 451. Katyk, microorganisms of, (26) 779.	360. Kerria japonica, twig and leaf disease, (39) 253.
Kedani disease, carrier, (37) 858.	Kerstingiella geocarpa, notes, (30) 235.
Keene forest, description, (36) 243. Kefir—	Ketohexoses, detection, (37) 206. Ketonic function in metabolism, (40) 464.
analyses, (26) 171.	Ketoses and aldoses, separation, (28) 504.
analyses, (28) 171. and kefir whey, (40) 379. bacteriological characteristics, (31) 772.	Khadi-ferment, toxicity, (29) 460.
bibliography, (27) 75.	Khaja senegalensis, insects affecting, (28) 555. Khaki University, notes, (39) 699.
bibliography, (27) 75. food value, (33) 78. method of analysis, (31) 114.	Kidney worms—
	in hogs, (32) 479, 783; (37) 482. life history, (32) 333
preparation and use, (27) 75; (34) 474.	localization and development in hogs, (29) 783;
preparation and use, (27) 75; (34) 474. Keithia thujina, studies, (36) 652. Kei grass, analyses, (28) 768.	(31) 484.
	notes, (35) 878. Kidneys—
analyses, (30) 724; (31) 823; (33) 107. as source of nitrogen, (33) 125, 206. as source of potash, (27) 22, 23; (30) 27; (31) 321; (32) 821; (33) 424, 819; (34) 821; (35) 327; (39) 204, 521; (40) 128.	from tuberculous animals, changes in, (26) 379. heat production of, (30) 65. phosphatids of, (30) 477. work of, (26) 465.
as source of notash. (27) 22, 23; (30) 27; (31) 321;	phosphatids of, (30) 477.
(32) 821; (33) 424, 819; (34) 821; (35) 327; (39)	work of, (26) 465.
California, organic constituents of, (33) 107.	Kieselguhr-sulphite mixture, fertilizing value, (33) 820.
chemistry of, (32) 723. composition, (27) 421, 500.	Kikuyu grass—
composition, (27) 421, 500. decolorizing carbon from, (40) 12.	culture experiments, (30) 632.
decomposition in soils, (35) 815.	notes, (37) 29. Killdeer—
destructive distillation, (34) 328.	destruction of locusts by, (28) 351.
distribution, (29) 322. fertilizer, analyses. (34) 521.	notes, (27) 355. King, Vernon, necrological notice, (39) 200.
fertilizer, analyses, (34) 521. fertilizing value, (29) 25.	Kingbird—
nies of North America, (40) 263.	food habits, (28) 56; (38) 457. western, destruction of locusts by, (28) 351.
freshly cut, potash from, (29) 519. green, fertilizing value, (34) 219.	Kingfisher, ruddy, subspecies of, (35) 252.
industry in British Columbia, (39) 220. industry in British Isles, (33) 25.	Kinghead—
industry, notes, (27) 326.	analyses, (32) 169; (34) 39. effect on baking quality of wheat, (34) 558.
industry, notes, (27) 326. industry on Pacific coast, (30) 27.	Kinosternon pennsylvanicum, notes, (40) 260.
of Pacific coast, size, (34) 623. physiological conditions in, (34) 429.	Kitchen— economy, (40) 361.
potash and other products from, (29) 128. production in United Kingdom, (31) 519.	model French, (29) 362.
utilization, (26) 126, 526.	waste, as a feeding stuff, (36) 367. Kitchens—
Kemps, studies, (26) 473. Kentia macarthurii, leaf spot disease of, (36) 348.	communal, (39) 367.
Kentia macarthurii, leaf spot disease of, (36) 348. Kentucky—	construction and equipment, (35) 765, equipment, (28) 461; (32) 65.
Station-	farm, water system for, (40) 789.
financial statement, (26) 598, 692.	heating with hot water, (31) 893.
notes. (26) 395. 600; (27) 397. 600. 697; (28) 600;	hotel and restaurant, regulations, (31) 857. planning, (28) 694.
(29) 97, 397, 794; (30) 396, 600; (31) 695, 796;	rolling, notes, (32) 562.
(32) 396, 497; (33) 399, 900; (34) 96, 496; (35) 96, 596; (36) 397; (37) 308, 204, (32) 400, 000,	traveling, descriptions, (29) 567. ventilation, (33) 68.
(39) 599, 695; (40) 98, 199, 497, 798.	Kite, meteorological, evolution, (31) 213.
report, (31) 396; (34) 694; (38) 697; (39) 499.	Kites, use in upper air exploration, (30) 416.
mancial statement, (26) 598, 692. Ilst of publications, (31) 899. notes, (26) 395, 600; (27) 397, 600, 697; (28) 600; (29) 97, 397, 794; (30) 396, 600; (31) 695, 796; (32) 386, 497; (33) 399, 900; (34) 96, 496; (35) 96, 596; (36) 397; (37) 398, 896; (33) 899, 900; (39) 599, 695; (40) 88, 199, 497, 788. report, (31) 396; (34) 694; (38) 697; (39) 499. report of director, (26) 596, 692. University, notes, (26) 395, 600; (27) 397, 600, 697; (29) 397; (30) 396; (31) 398, 695, 796; (33) 399; (34) 96, 496; (35) 397, 596; (37) 398, 497, 896; (38) 699; (39) 699, 695; (40) 88, 199, 447, 696, 738.	Kjeldahl— distillation apparatus, description, (34) 10, 203,
(29) 397; (30) 396; (31) 398, 695, 796; (33) 399;	flask, description, (30) 805.
699; (39) 599, 695; (40) 98, 199, 497, 696, 798,	flask, modified, description, (32) 807. fume remover, description, (35) 612.

Kn., pp Agricultural Day, notes, (25) 395; (32) 496.	77 1 11
Trans Seeman A cohool and form (20, 405	Kumri disease in horses, studies, (38) 287.
Knapp, Seaman A., school and farm, (30) 495. Knapweed, life history and bionomics, (32) 759.	Kunkelia nitens n.g. and n.sp., description, (38)
Enapweed, me instory and bionomies, (32) 739.	454.
Knop's nutrient solution—	Eurloff body, nature, (30) 681.
composition, (28) 435. preparation, (31) 426.	Kuromoji seed, oil of, (37) 109.
Frote-	Kutter's formula, retardation factor in, (33) 183.
Knots—	Kyanization plants, description, (30) 647.
and splices, description, (35) 495.	Kyllingia alba, analyses and digestibility, (32) 167.
directions and illustrations, (27) 96	Kymograph for study of small animals, (32) 565.
nitches, and splices, making, (31) 590. methods of making, (29) 390.	Kynurenic acid, effect on nutritive value of diet,
Whatwood torio effect on pige (95) to	(36) 265. "La Mancha" in sheep, studies, (23) 182.
Knotweed, toxic effect on pigs, (38) 589.	La Mancha" in sheep, studies, (28) 182.
Koch expedition across Greenland, (31) 213.	20 paratera, 10 tes, (50) 105.
Kochia—	Laben raieb, composition, (36) 674.
culture under shade, (27) 741.	Labeo n.sp., parasitic on sugar beet leafhoppers, (33) 747.
prostrata, analyses, (33) 466.	(33) 747.
salsoloides, analyses and digestibility, (27) 872;	Ladiad—
(32) 167.	beans, anatomical structure, (28) 660. culture and characteristics, (34) 436.
Koch's granules, notes, (26) 882.	culture and characteristics, (34) 436.
Kohl-rabi—	culture experiments, (32) 227.
analyses, (27) 469.	culture in Egypt, (34) 232.
combined fungus attacks on, (35) 245.	Labor—see also Agricultural labor.
culture experiments, (56) 735. culture in Rhodesia, (27) 32, 637.	camps, sanitation and housing for, (33) 691. conditions in Great Britain, (26) 359.
culture in Rhodesia, (27) 32, 637.	conditions in Great Britain, (26) 359.
culture on moor soils, (40) 523.	costs and seasonal distribution in Utah Valley,
electrical stimulation, (40) 428.	(40) 388.
fertilizer experiments, (26) 428, 631, (30) 428.	exchange for English farmers, (26) 190.
fields, weed control in, (40) 556.	in British Columbia, (32) 593.
food value, (36) 863.	incomes of formers (28: 401 409
mulching v. clean culture, (33) 534.	incomes of farmers, (36) 491, 492.
pollination experiments, (35) 342.	manual, studies, (31) 861.
pointation capermients, (60) ora.	redistribution, (37) 290.
purin content, (40) 205.	relation to energy requirement in food, (31) 862.
varieties, (26) 631.	requirements of livestock, (36) 790.
Koji acid from Aspergillus oryzae, (30) 202.	saving devices for homes, (26) 790; (28) 566, 662.
Koji diastase, properties, (30) 806. Kokan timber, distribution and use, (38) 751.	saving in hivestock production, (40) 13.
Kokan timber, distribution and use, (38) 751.	saving methods on the farm, (39) 794, 795.
Koko tree as source of rubber and chicle, (28) 49.	Laboratories—
Kola—	field, for research work, (33) 793.
alkaloids in, (31) 358.	small, for research work, (32) 306.
culture in Dutch East Indies, (30) 697.	Laboratory—
insects affecting, (33) 153.	animals, pathologic conditions, (38) 283.
trees and nuts, treatise, (26) 139.	conveniences, description, (36) 805.
Koosam oil refining (27) 210	mothode of the Army monnel (90) 750
Koosam oil, refining, (27) 210. Korra, culture experiments, (32) 227.	methods of the Army, manual, (39) 786.
Warrent motor plough description and tests (99) 498	v. field experiments in soil biology, (36) 213.
Köszegi motor plough, description and tests, (28) 486.	Laborers—
Kraal manure—	Danish, standard of living, (32) 66.
analyses, (33) 821; (35) 328.	diet, (32) 857. diet in British Guiana, (30) 463.
fertilizing value, (26) 133.	diet in British Guiana, (30) 463.
Krafft's vaccine—	diet in Spain, (32) 562.
use against hog cholera, (26) 383.	families in Germany, diet, (26) 358. farm, see Agricultural labor.
use against swine plague, (26) 184.	farm, see Agricultural labor.
Kra-kie, notes, (26) 260.	Finnish, living conditions, (28) 259.
Kretzschmarie micropus, notes, (39) 452.	food shops for in Christiana, (32) 856.
Kriblon, composition and value, (28) 769.	homes for, (31) 293.
Kriblon, composition and value, (28) 769.	homes for, (31) 293.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647.	homes for, (31) 293. in America and Europe, standard of living,
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (26) 860.	homes for, (31) 293. in America and Europe, standard of living, (26) 359.
Kroholon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kronomyia n.g. culture experiments, (32) 227. <u>Etenol</u> , analyses, (30) 555.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu-	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 552. Kudzu— beans, culture experiments, (33) 31.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 331. culture experiments, (33) 337.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living—
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kronomyia n.g. culture experiments, (32) 227. Ketanol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (35) 331. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (26) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (35) 337. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528.	homes for, (31) 293. in America and Europe, standard of living, (28) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (29) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuelneola—	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parastic on Chrysomelidae, (33)
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 552. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 220. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in Holland, (32) 163. value of small plat of ground to, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kronomyia n.g. and n.spp., descriptions, (20) 860. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Labradorite, decomposition by soil bacteria and
Aribion, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 552. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (20) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145.	homes for, (31) 282. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 220. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (26) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukui—	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (26) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukui—	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuelmeola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539.	homes for, (31) 293. in America and Europe, standard of living, (28) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yenst, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (26) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukui—	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parastic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kulthi-	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parastic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kulthi-	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parastic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 552. Kudzu— beans, culture evperiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukni— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kuithibeans, culture, (32) 226. beans, yields, (39) 484. description, (30) 828.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parastic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 552. Kudzu— beans, culture evperiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukni— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kuithibeans, culture, (32) 226. beans, yields, (39) 484. description, (30) 828.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parastic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. tapping, (35) 347. Laccase, oxidizing influence on vegetable chromogens, (34) 33.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 552. Kudzu— beans, culture evperiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukni— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kuithibeans, culture, (32) 226. beans, yields, (39) 484. description, (30) 828.	homes for, (31) 293. in America and Europe, standard of living, (28) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. tapping, (35) 347. Laccase, oxidizing influence on vegetable chromogens, (34) 33. Lace bugs of Ohlo, (36) 755.
Aribion, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (20) 860. Kronomyin n.g. and n.spp., descriptions, (20) 860. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukii— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kulthibeans, culture, (32) 226. beans, yields, (39) 434. description, (30) 828. liming experiments, (36) 229. notes, (26) 362.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Various countries, (31) 261. value of small plat of ground vo, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Luc— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. tapping, (35) 347. Laccase, oxidizing influence on vegetable chromogens, (34) 32. Lace bugs of Ohio, (36) 755. Lace bugs, remedies, (57) 256.
Aribion, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (26) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture evperiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine, ulture experiments, (27) 328. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kulthibeans, culture, (32) 226. beans, vields, (39) 434. description, (30) 828. llming experiments, (36) 229. notes, (26) 332. Kumara, analyses, (28) 459.	homes for, (31) 283. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. tapping, (35) 347. Lacease, oxidizing influence on vegetable chromogens, (34) 33. Lace bugs of Ohio, (36) 755. Lace bugs, remedies, (57) 256. Lace wing— brown notes, (32) 631; (34) 357.
Aribion, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (26) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kulthibeans, culture, (32) 226. beans, yields, (39) 484. description, (30) 828. liming experiments, (36) 229. notes, (26) 362. Kumara, analyses, (28) 459.	homes for, (31) 283. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. tapping, (35) 347. Lacease, oxidizing influence on vegetable chromogens, (34) 33. Lace bugs of Ohio, (36) 755. Lace bugs, remedies, (57) 256. Lace wing— brown notes, (32) 631; (34) 357.
Aribion, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (26) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 55£. Kudzu— beans, culture evperiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine, Japanese, notes, (27) 528. Kuehneola— albida, hotes and treatment, (29) 50. fici, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kulthibeans, culture, (32) 226. beans, yields, (39) 434. description, (30) 828. liming experiments, (36) 229. notes, (26) 362. Kumara, analyses, (28) 459. Kumiss— analyses, (26) 171.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in Yarlous countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. tapping, (35) 347. Lacease, oxidizing influence on vegetable chromogens, (34) 33. Lace bugs of Ohio, (36) 755. Lace bugs, remedics, (57) 256. Lace wing— brown, notes, (32) 651; (34) 357. fly, California green, (35) 757.
Aribion, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (26) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 55£. Kudzu— beans, culture evperiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine, Japanese, notes, (27) 528. Kuehneola— albida, hotes and treatment, (29) 50. fici, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kulthibeans, culture, (32) 226. beans, yields, (39) 434. description, (30) 828. liming experiments, (36) 229. notes, (26) 362. Kumara, analyses, (28) 459. Kumiss— analyses, (26) 171.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. tapping, (35) 347. Lacese, oxidizing influence on vegetable chromogens, (34) 33. Lace bugs of Ohio, (36) 755. Lace bugs, remedies, (37) 256. Lace-wing— brown, notes, (32) 651; (34) 357. ffy, California green, (35) 757. ffy, california green, (35) 757. ffy, notes, (32) 654.
Aribion, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 552. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 338. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kulthibeans, culture, (32) 226. beans, yields, (39) 434. description, (30) 828. liming experiments, (36) 229. notes, (26) 362. Kumars, analyses, (28) 459. Kumiss— analyses, (26) 171. food value, (33) 78. microorganisms of, (26) 779.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parastic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Luc— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. tapping, (35) 347. Laccase, oxidizing influence on vegetable chromogens, (34) 33. Lace bugs of Ohio, (36) 755. Lace bugs, remedies, (57) 256. Lace-wing— brown, notes, (32) 651; (34) 357. fly, California green, (35) 757. fly, notes, (32) 654. Lachnellulis chrysophthalma, notes, (28) 750.
Aribion, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (26) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 525. Kud22— beans, culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fici, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kulthi beans, culture, (32) 226. beans, yields, (39) 434. description, (30) 828. liming experiments, (36) 229. notes, (26) 362. Kumara, analyses, (28) 459. Kumiss— analyses, (26) 171. food value, (33) 78. microorganisms of, (26) 779. preparation and use, (34) 474.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parastic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Luc— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. tapping, (35) 347. Laccase, oxidizing influence on vegetable chromogens, (34) 33. Lace bugs of Ohio, (36) 755. Lace bugs, remedies, (57) 256. Lace-wing— brown, notes, (32) 651; (34) 357. fly, California green, (35) 757. fly, notes, (32) 654. Lachnellulis chrysophthalma, notes, (28) 750.
Kriblon, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 552. Kudzu— beans, culture experiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fict, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kulthibeans, culture, (32) 226. beans, yields, (39) 434. description, (30) 828. liming experiments, (36) 229. notes, (26) 362. Kumis— analyses, (26) 171. food value, (33) 78. microorganisms of, (26) 779. preparation and use, (34) 474. Kumquats—	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parastic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Luc— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. tapping, (35) 347. Laccase, oxidizing influence on vegetable chromogens, (34) 33. Lace bugs of Ohio, (36) 755. Lace bugs, remedies, (57) 256. Lace-wing— brown, notes, (32) 651; (34) 357. fly, California green, (35) 757. fly, notes, (32) 654. Lachnellulis chrysophthalma, notes, (28) 750.
Aribion, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (26) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture evperiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine, Japanese, notes, (27) 528. Kuehneola— albida, hotes and treatment, (29) 50. fici, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use. (28) 714. Kulthi- beans, culture, (32) 226. beans, yields, (39) 434. description, (30) 828. liming experiments, (36) 229. notes, (26) 302. Kumara, analyses, (28) 459. Kumiss— analyses, (26) 171. food value, (33) 78. microorganisms of, (20) 779. preparation and use, (34) 474. Kunquats— Australian desert, notes, (31) 238.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parastic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Luc— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. tapping, (35) 347. Laccase, oxidizing influence on vegetable chromogens, (34) 33. Lace bugs of Ohio, (36) 755. Lace bugs, remedies, (57) 256. Lace-wing— brown, notes, (32) 651; (34) 357. fly, California green, (35) 757. fly, notes, (32) 654. Lachnellulis chrysophthalma, notes, (28) 750.
Aribion, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture evperiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fict, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kulthi— beans, culture, (32) 226. beans, yields, (39) 434. description, (30) 828. liming experiments, (36) 229. notes, (26) 302. Kumara, analyses, (28) 459. Kumiss— analyses, (26) 171. food value, (33) 78. microorganisms of, (26) 779. preparation and use, (34) 474. Kumquats— Australian desert, notes, (31) 238. classification, (32) 839.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. Lacebus, oxidizing influence on vegetable chromogens, (34) 33. Lace bugs of Ohio, (36) 755. Lace bugs, remedies, (37) 256. Lace-wing— brown, notes, (32) 651; (34) 357. fly, California green, (35) 757. fly, notes, (32) 654. Lachnellula chrysophthalma, notes, (28) 750. Lachnopus sp. notes, (36) 354; (38) 558. Lachnopus sp. notes, (36) 354; (38) 558. Lachnosterna—see also June beetle and Phyllo-
Aribion, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyia n.g. and n.spp., descriptions, (20) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture evperiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine Japanese, notes, (27) 528. Kuehneola— albida, biology and morphology, (27) 648. albida, notes and treatment, (29) 50. fict, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use, (28) 714. Kulthi— beans, culture, (32) 226. beans, yields, (39) 434. description, (30) 828. liming experiments, (36) 229. notes, (26) 302. Kumara, analyses, (28) 459. Kumiss— analyses, (26) 171. food value, (33) 78. microorganisms of, (26) 779. preparation and use, (34) 474. Kumquats— Australian desert, notes, (31) 238. classification, (32) 839.	homes for, (31) 283. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parastic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Luc— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. tapping, (35) 347. Laccase, oxidizing influence on vegetable chromogens, (34) 33. Lace bugs of Ohio, (36) 755. Lace bugs, remedies, (57) 256. Lace-wing— brown, notes, (32) 651; (34) 357. fly, California green, (35) 757. fly, notes, (32) 654. Lachnodius greeni n.sp., notes, (32) 57. Lachnodus greeni n.sp., notes, (32) 57. Lachnosterna—see also June bectle and Phyllo- implicata, notes, (34) 753.
Aribion, composition and value, (28) 769. Kronoleum as wood preservative, (30) 647. Kronomyin n.g. and n.spp., descriptions, (26) 860. Kroo beans, culture experiments, (32) 227. Ktenol, analyses, (30) 555. Kudzu— beans, culture evperiments, (33) 31. culture experiments, (35) 337. grass, yields, (29) 224. hay, analyses, (26) 362. vine, culture experiments, (27) 336. vine, Japanese, notes, (27) 528. Kuehneola— albida, hotes and treatment, (29) 50. fici, description, (31) 145. Kukui— and China wood oil tree, crossing, (35) 539. oil, extraction and use. (28) 714. Kulthi- beans, culture, (32) 226. beans, yields, (39) 434. description, (30) 828. liming experiments, (36) 229. notes, (26) 302. Kumara, analyses, (28) 459. Kumiss— analyses, (26) 171. food value, (33) 78. microorganisms of, (20) 779. preparation and use, (34) 474. Kunquats— Australian desert, notes, (31) 238.	homes for, (31) 293. in America and Europe, standard of living, (26) 359. in Germany, dietary studies, (28) 66. in New Zealand, standard of living, (28) 863. protein requirements, (33) 662. sleeping house for, (34) 229. standard of living— in Chicago stockyards district, (32) 163. in Holland, (32) 163. in various countries, (31) 261. value of small plat of ground to, (38) 792. Laboulbeniales, parasitic on Chrysomelidae, (33) 657. Labradorite, decomposition by soil bacteria and yeast, (31) 121. Lac— culture in India, (28) 654. industry in India, (40) 550. insect, notes, (26) 248. Lacebus, oxidizing influence on vegetable chromogens, (34) 33. Lace bugs of Ohio, (36) 755. Lace bugs, remedies, (37) 256. Lace-wing— brown, notes, (32) 651; (34) 357. fly, California green, (35) 757. fly, notes, (32) 654. Lachnellula chrysophthalma, notes, (28) 750. Lachnopus sp. notes, (36) 354; (38) 558. Lachnopus sp. notes, (36) 354; (38) 558. Lachnosterna—see also June beetle and Phyllo-

Lach serma-Continued.	Lactic acia—Continueu
1 it u.lis, notes, (27) 657. ievision, (35) 467.	in corn silage, (29) 712. honey, (26) 25; (28) 196. sisal, (29) 615.
spp, bacterial disease of, (32) G1.	noney, (26) 25; (28) 196.
spp, hapits and control, (39) 595.	sour milk, (39, 613.
spr, notes, (26) 60; (29) 52, 561; (30) 636; (33)	wine, (31) 315.
51; (36) 753. Spp. oviposition, (38) 761.	odoform reaction of, (30) 414.
studies, (35) 700.	rôle in digestion, (36) 763. starters, preparation and propagation, (49) 70
tr stis, life history, (29) 359. Lachnus—	starters, preparation and propagation, (4), 7,1
curvipes n.sp., description, (28) 60.	thiophene test for, (40) 114. use in bread making, (33) 861.
glehnus n.sp , description, (35) 56.	volatility of, (30) 707.
juniperi. notes, (27) 255. juniperivora n.sp., description, (40) 651.	Lactic— ferment cultures in cheese making, (31, 375.
parvus, new genus for, (40) 651. persicae, remedies, (31) 155.	ferment, keeping, (31) 375.
persicae, remedies, (31) 155.	fermentation, action of mixtures of salts on, 14
viminalis, notes, (33) 554. Lacquers, methods of examination, (29) 811.	581. ferments—
Lactade, manufacture and use, (40) 379.	and streptococci, action of antiseptics on,
Lactalhumin— composition, (38) 505.	(38) 77.
determination in milk, (33) 16.	as affected by temperature, (35) 452. effect on milk protein, (33) 714
determination in milk, (33) 16. hydrolysis products of, (33) 867.	habituation to poisons, (33) 803.
lysin content, (31) 559.	in therapy, (39) 99. pharmaceutical, bacterial content, (27) 174.
relation to color of milk fat, (31) 275. tryptophan in, (28) 411. value for growth, (37) 864, 865.	use, (27) 170.
value for growth, (37) 864, 865.	organism products, effect on Bacillus typhosus,
Lacterius piperatus, composition, (26) 802.	(26) 776 starters, tests, (35) 176.
in alfalfa, (32) 411.	Lacto, preparation, (30) 61.
of mammary glands, (30) 204.	Lactoantiserum, use, (30) 112.
Lactation— early, effect on development of animals, (33) 265.	Lactobacillus fermentum, studies, (35) 278. Lactochrome, investigations, (32) 19.
effect on growth, (40) 877.	Lactoglobulin—
period, metabolism during, (31) 663. Lactescence in plants, (32) 130.	composition, (38) 505.
Lactic acid—	relation to serum proteins, (37) 8. Lactose—
as affected by—	absorption in the intestines, (28) 763.
hydrogen peroxid, (28) 202. ultraviolet rays, (28) 201.	acetylated derivatives, optical rotatory powers,
beculus, Bulgarian, notes, (28) 777.	(36) 202. antiscorbutic potency, (40) 464.
bacillus in butter, notes, (26) 478.	as protective agent for invertase, (26) 504.
bacteria— as affected by acid-destroying yeasts, (29) 8.	determination, (26) 709; (34) 611; (39) 315; (40, 507.
as affected by proteolytic products of auto-	determination—
lyzed yeast, (39) 10.	after heating and addition of sodium bicar-
biological properties, (31) 506. classification, (28) 75; (34) 76.	bonate, (40) 613. in milk, (27) 506; (28) 205; (30) 414, 508; (33, 503; (34) 506; (38) 615. in milk chocolate, (40) 14.
classification and nomencial are, (55) 178.	503; (34) 506; (38) 615.
cultures, dried, preparation, (31) 773.	in milk chocolate, (40) 14.
development in mak, (29) 1/2; (30) 4/5, 502.	ammonia production and use in killed
effect on silage, (35) 373. formation of p-oxyphenylethylamin by,	ammonia production and use in killed plants, (28) 327.
(32) 503.	ammonification, (28) 718. infant digestion, (33) 663. intestinal flora, (36) 664.
forms of, (29) 475.	intestinal flora, (36) 664.
heat resistance, (39) 78.	plant respiration, (26) 629. examination, (26) 313; (27) 411.
in dairy products, (28) 276. in milk, origin, (34) 473.	extraction from milk serum, (26) 276.
in pasteurized milk, (36) 674. proteoglastic power. (36) 673.	free extract as factor in milk judging, (39) 111.
proteolytic activity in milk, (36) 476.	heat of combustion, (28) 160. heated, nutritive value, (34) 369.
proteolytic activity in milk, (36) 476. reciprocal action of, (28) 276.	industrial manufacture, (40) 415.
relation to keeping qualities of butter, (39)	manufacture from milk, (30) 378.
resistance to pastcurization, (33) 675.	ongin in milk, (30: 204. resorption in small intestine, (29) 268.
use in ensiting heet tons (34) 767	separation from galactose and plucose, (26, 202.
use in pickling cucumbers, (28) 616. use in silage making, (32) 567, 767. behavior in beef extract, (26) 408. behavior toward oxiditing events (28) 25	utilization by green plants, (32) 823. Lactuca—
behavior in beef extract, (26) 408.	scariola, leaf position, (28) 228.
	spp., rubber from. (29) 241.
decomposition by yeasts, (37) 202. determination, (27) 498.	aphis eating, preservation, (26) 253.
Gerermination in-	ashy-gray, notes, (31) 751, beneficial, in Piedmont, Italy, (28) 757.
biological products, (36) 808. organic substances, (32) 114. presence of protein, (29) 309.	beneficial, in Piedmont, Italy, (28) 757.
presence of protein, (29) 309.	biology, (30) 754. collecting, (27) 361.
tomato products, (26) 25.	common eastern, introduction, (32) 846.
tomato products, (26) 25. urine, (34) 613. wine, (29) 119.	common, notes, (32) 654.
effect on—	common eastern, introduction, (32) 846. common, notes, (32) 654. control of aphids by, (34) 555; (39) 663. corrupted, notes, (29) 453. destruction by white tuneurs, (26) 454.
baking quality of flour, (37) 861.	destruction by white fungus, (26) 454. destructive to citrus plant lice, (26) 755.
bread fermentation, (27) 268. hemolytic reaction, (36) 878.	uestructive to citrus plant lice, (26) 755.
plants, (37) 224.	injurious to potatoes, (30) 255. introduction into California, (34) 361. introduction into Florida, (39) 461.
extraction with ether, (37) 414.	introduction into Florida, (39) 461.
ferment therapy, description, (26) 173. formation in incubated eggs, (28) 564, 711.	life history, (33) 562. life history and habits, (34) 555.
germicidal effect in milk, (33) 450.	notes, (27) 581; (29) 281.

dy beetles—Continued. of Connecticut, (36, 856.	Lambs-Continued.
of Gregon, (39) 357	querter—continued. dissemination by farm unimals, (26 885.
oriental, introduction into Peru, (28) 176	water requirement, '32, 127. range, cost of fattening, (29) 572. rougheges for, '35, 293. searing iron v. Irnife for detailing, (29) 470. self feeders and feeding yards for, (29) 872.
parasitic on orange scale, (28) 554. rare, (33) 58.	range, cost of lattening, (29) 572.
selection and breeding, (38) 558.	searing iron v. knife for detailing, (29) 470.
two-spotted, notes. (30) 657.	self feeders and feeding yards for, (29) 872.
echidninus, distribution on rats, (shipping and marketing, (25, 672. unborn, disease of, (24) 275. winter production, '429' 468. winter-fed, loss of, (26, 299.
echidninus, notes, (32) 353.	winter production, '32' 468.
multispinosus, notes, (34) 66. n sp., description, (35) 264.	worm intestation, (3/1 5/4,
emobothrum intermedium n.sp., description (38) 761.	Lamellicornia of British India, (49) 63. Lameness in horses, treatise, (36) 280.
Laemontioeus sp., studies. (37) 256.	Laminaria-
Laestaci.— aesculi, investigations, (33) 347	agardhii (saccharina) in permeability studies, (39) 26.
aesculi, perfect stage of Phyllosticta pavine	respiration after death, (39) 631.
(33) 249.	saccharina as affected by bivalent cations, (53) 328.
camelline, notes, (28) 354. sp. on tea, (59) 57.	saccharina, permeability of cells, (33) 127.
these, notes, (28) 241; (31) 55.	spp., analyses, (37) 814. Laminarin in Fucoideae, (29) 506.
theae, studies, (33) 650. Legarotis n.spp., descriptions, (34) 456.	Laminitis, paper on, (34) 576.
Lagenaria vuigaris, notes, (29) 461.	Lamp traps for cochylis moth, (27) 56.
Lagerstroemia— indica, dimorphic anthers of, (33) 524	Lampatia timber, distribution and use, (38) 751 Lampblack, moistening, (33) 322.
lanceolata, notes, (29) 443.	Lampronia rubiella—
parviflora, notes, (34) 239. Lagochirus—	notes, (36) 754. remedies, (38) 466.
araneiformis, notes, (30) 356. obsoletus, notes, (28) 854.	Lamprosominae, catalogue, (30) 458.
Lahani marvel grass, analyses, (28) 768.	Lampsana vulgaris, host plant of lettuce mildew (26) 342.
Lake Huron current, (31) 615.	Lamtoro as shade for coffee, (34) 535.
Lake levels, paper on, (27) 115. Lake Tahoe summer level, forecasting, (36) 18.	Lamziekte— in cattle, investigations, (26) 173.
Lakes—	in South Africa, (35) 678.
African, desiccation, (38) 15.	notes, (28) 780.
African, desiccation, (38) 15. evaporation from, (27) 817. meteorological influences on, (38) 317.	in South Africa, (35) 678. notes, (28) 780. papers on, (29) 476. review of investigations, (33) 384.
Lallemantia iberica, culture experiments, (39) 229.	studies, (28) 280. summary and digest of data, (36) 161.
Lallemantia iberica, culture experiments, (39) 229. Lamao Experiment Station, notes, (34) 635. Lamarckism and animal breeding, lecture on, (28)	land
2/1.	areas, mapping, (37) 651. arid, reclamation, (36) 46. arid, reclamation in Oregon, (33) 889. bank in New York, (39) 796. bank in Rhodesia, (27) 795.
Lamb— changes in during cold storage, (28) 365, 860.	arid, reclamation in Oregon, (33) 889.
chop bone, analyses, (38) 626. club, cooperative, in Tennessee, (30) 295.	bank in New York, (39) 796.
composition and nutritive value, (34) 256.	banks in South Africa, (29) 90.
Lamblia—	banks in South Africa, (29) 90. banks, organization and operation, (20) 692.
intestinalis, transmission by flies, (38) 563. notes, (26) 246.	brush, use of goats in clearing, (2f) 51. classification and tenure, (39) 592.
notes, (26) 246. spores, transmission by flies, (30) 254.	classification and tenure, (39) 592. clearing, (28) 84; (30) 86; (32) 454, 559; (35) 84; (36) 89, 498; (39) 687; (40) 788.
Lambs—see also Sheep. alfalfa and corn for, (27) 899.	clearing
breeding for fur. (29) 872.	and grubbing, handbook, (38) 490. by-products, (37) 286. cost and methods, (36) 785.
castrating, (26) 167. clipping, (39) 775. crossbred, tests, (29) 669. docking and castrating, (29) 872.	cost and methods. (36) 785.
crossbred, tests, (29) 669.	in lake States, (31) 288.
fall clipping, (40) 569.	in western Washington, (27) 189. trials, (39) 493.
fall clipping, (40) 569. fall feeding, (39) 774; (40) 569.	with explosives, (26) 591; (35) 887.
at, breeding for, (39) 273.	credit, see Agricultural credit. cultivated, reverting to natural conditions, (36)
fatty degeneration of muscles, (36) 79. feeding experiments, (26) 73, 268, 368, 568; (27) 372; (28) 671; (29) 271, 669, 772, 870, 871; (30) 769; (31) 666, 667; (32) 261; (33) 170, 758, 760, 761; (34) 567, 663; (35) 375, 672, 772; (36) 169, 170, 866; (38) 66, 670, 671, 672; (40) 874. feeding for marks (30) 274.	130.
769; (31) 666, 867; (32) 261; (33) 170, 758, 760,	cultivated, seeding to meadows, (35) 639. cultivation in Mexico, (26) 594.
761; (34) 567, 663; (35) 375, 672, 772; (36) 169,	cut-over, see Cut-over land.
170, 866; (38) 66, 670, 671, 672; (40) 874. feeding for market, (39) 274.	drag, description and use, (27) 293. government valuation, in New Zealand, (30)
fitting for exhibitions (30) 173.	193.
growth in relation to fat content of ewes' milk,	Grant College Engineering Association, (32) 8; (35) 297.
growth studies, (38) 472.	grant colleges, see Agricultural colleges.
hothouse, production, (27) 173.	grant of 1802, (40) 195. grants in United States, treatise, (34) 591.
hothouse, production, (27) 173. kafir for, (39) 71.	nolding, enect on decline of Roman Empire
metabolism experiments, (33) 761. milk siekness affecting, (26) 74.	(35) 694. holding systems in England. (34) 689.
monthly gains, (39) 776.	holding systems in England, (34) 689. improvement credit in Britich India, (26) 783.
on stomach worm pastures, (39) 372. open sheds v. barns for, (36) 568.	improvement in Province of the Rhine, (37) 697.
orphan, feeding, (40) 278.	laws of Great Britain, revision, (30) 693.
pasturing experiments, (39) 775; (40) 471.	laying down to grass, (26) 734.
protein and energy requirements, (31) 666. pure-bred v. crossbred, (25) 669.	logged-off, clearing, (37) 87.
quarter— analyses, (32) 169; (34) 39.	nortgage associations in Germany, (27) 795.
coccinellids affecting, (33) 256.	lawis of Great Britain, revision, (30) 693. laying down to grass, (28) 734. leasing in Belgium, treatise, (33) 92. logged-off, clearing, (37) 87. logged-off, of western Washington, (35) 892. mortgage associations in Germany, (27) 795. mortgage reform in Wisconsin, (30) 592.

Land-Continued .	Land-Continued.
new, preparation for CLAIN (26) 733.	use by schools teach or agriculture, (a2, 3,6
not in farms, ut.l. sation, (39) 592.	use by schools teach of agriculture, (62, 536, 133) 396, 797; (34) 394.
ownership—	use in common. (33) 893.
by negroes in Virginia, (36) 392.	use in common in Bavaria, (34) 690. uses in Denmark, (31) 390. valuation, Christ-Junge method, (29) 595.
handbook, (31) 490. tenure, and taxation, treatise, (32) 891. theories of Karl Marx, (29) 491.	valuation. Christ-Junge method. (29) 595.
theories of Karl Marx, (29) 491.	valuation, factors in, (32) 286.
plaster, see Gypsum.	value and net land revenue, relationship, (28)
prairie, drainage. (38) 387.	790.
private colonization, (40) 192. problem and rural welfare, (37) 290, 593.	values, improvement, (28) 292. values in France, treatise, (40) 892.
problem in Great Britain, (36) 592.	Landlord and tenant—
problem in Texas, (34) 488.	contract between, (32) 390.
reform movement in Lussia. (35) 592.	distribution of produce between, (31) 300.
registration in New Zeeland (25) 702	division of capital between, (31) 192. partnership between, (30) 399.
reforms in Russia, (30) 792. registration in New Zealand, (35) 793. registration, Torrens system, (34) 489.	Lands—
rental value in vaud, Switzerland, (28) 489.	acid utilization (30) 93
rented, owner's oversight of, (26) 487.	agricultural, in different countries, (31) 390.
renting in England, Scotland, and Ireland, (34) 689.	agricultural, in different countries, (31) 390. agricultural, in New Jersey, (31) 390. agricultural, in United States, (30) 692. agricultural, reorganization in Bayaria, (34) 594.
settlement, (40) 193, GSS.	agricultural, reorganization in Bayaria. (34) 594
settlement—	alluvial, underdrainage, (26) 685; (28) 990. arable, of Argentina, (31) 215.
and tenure in New Zealand, (40) 195.	arable, of Argentina, (31) 215.
by ex-service men in England and Wales,	crawfish, reclamation, (27) 621.
(35) 296. for ex-service men, (39) 89, 648, 702; (40)	fallowing experiments, (28) 321. forest, see Forest lands.
389, 591, 687, 790.	gullied, of west Tennessee, (30) 19.
Government aid, (35) 392; (39) 593.	gullied, reclamation, (33) 392.
in America, (32) 431; (34) 482.	heavy, reclamation, (27) 621.
British Empire, (34) 591. California, (35) 593; (37) 190; (40) 194,	injured by volcanic ash, reclamation, (32) 31. irrigable, classification, (36) 185. irrigable, in Utah, (29) 722.
339, 591.	irrigable, in Utah. (29) 722.
Canada, (38) 791; (40) 790. Ceylon, (39) 89.	
Ceylon, (39) 89.	drainage, (27) 386; (31) 783; (33) 88, 683; (34) 88, 483; (36) 399; (37) 86, 587; (38) 385. pastures for, (32) 623. settlement, (29) 491.
Great Britain, (37) 190, 390, 791.	30, 483; (30) 399; (31) 30, 381; (33) 333.
the Punish. (40) 525.	settlement. (29) 491.
upper Wisconsin, (34) 431; (39) 396.	judging, (32) 321. ;ed-off—
Ceylon, (39) 59. Great Britain, (37) 190, 390, 791. South Africa, (39) 89. the Punjab, (40) 525. upper Wisconsin, (34) 431; (39) 396. on irrigation projects, (40) 687. settlement opportunities in.	red-off—
	clearing, (26) 787. of western Washington, (26) 592.
Vichican, (39) 796.	reclamation, (32) 485.
Colorado, (39) 90. Michigan, (39) 796. Montana, (39) 796.	long-term leases for, (26) 593.
settlement scheme in Grenada, (27) 92.	oat sick, notes, (30) 518. of Japan, redivision, (40) 892.
surveying in Queensland, (34) 890.	of Japan, redivision, (40) 892.
surveying, treatise, (34) 485. system of Great Britain, treatise, (37) 697.	of Nile delta, agricultural value, (31) 119. overflowed, reclamation, (29) 85; (30) 787; 32,
taxation, (29) 391, 692; (32) 389.	883, 884,
tenancy	pine, clearing, (28) 289. preparation, (30) 697.
in California, (37) 190.	preparation, (30) 697.
central Europe, (29) 895. Great Britain and Ireland, (32) 193.	public— administration in Minnesota, (34) 594.
Illinois, (36) 892.	and private, in British Columbia, (32) 593. in Alaska, (36) 290. in United States, (32) 389; (36) 290. settlement in United States, (34) 892.
Illinois, (36) 892. Iowa, (30) 491; (34) 193, 792. North Atlantic States, (26) 687.	in Alaska, (36) 290.
North Atlantic States, (20) 687.	in United States, (32) 389; (36) 290.
North Central States, (26) 686. southwestern States, (34) 90.	scouring, of Somerset and Warwickshire, (32)
Texas, (34) 289, 489.	215.
the South, (36) 893.	swamp, see Swamp.
United States, (26) 790; (34) 489; (37) 593. Western states, (26) 790.	tidal, reclamation, (30) 448; (32) 793.
profitable, in Iowa, (27) 193.	waste, reclamation, (29) 149; (32) 30; (34) 22; (37) 214.
social aspects, (40) 890. studies, (40) 890, 892.	wet, of Louisiana, drain_ge, (31) 185; (39) 291.
studies, (40) 890, 892.	wheat, of western Australia, (29) 315.
v. ownership, (26) 687. tenants—	Lendscape— architecture of the small place, (39) 546.
housing conditions, (34) 438.	areas, grading, (26) 338.
income, (28) 388.	areas, grading, (26) 338. design, treatise, (38) 542. engineering in National Forests, (40) 245.
paying for high-priced land, (26) 487.	engineering in National Forests, (40) 245.
and administration in British India, (32)	gardening—
891.	in Cleveland, (29) 495. in relation to roadside planting, (39) 449.
and conveyances in Missouri, (34) 489.	list of plants for, (35) 647.
and settlement in New Zealand, (31) 191;	notes, (32) 143.
(37) 791. in Australia, (26) 291.	prairie spirit in, (34) 536. treatise, (34) 45, 439; (35) 746; (37, 546, 547.
England and Norway, (30) 90.	use of models in. (39) 847.
England tractice (28) 180- (20) 805	Languria mozardi, see Clover stem borer.
Illinois, (36) 892. Papua, (26) 291. Texas, (30) 591. problems in United States, (35) 89. years of occupancy by, (31) 890.	Lanius ludovicianus gambeli, destruction of locusts
Fadus, (20) 291. Terss. (30) 501	by, (28) 351. Lentene comerce control by parasites (37) 359
problems in United States. (35) 89.	Lantana camara, control by parasites, (37) 359. Lantern fly injurious to corn, (31) 249.
years of occupancy by, (31) 690.	Lanthanum, effect on permeability, (34) 34. Lantz, D. E., biographical sketch, (39) 400.
tillable, in Omted States, (30) 692.	Lantz, D. E., biographical sketch, (39) 400.
title registration—	Lapnygma—
law in Nebraska, (37) 190. law in New York, (37) 190.	exigua, notes, (27) 54; (31) 252, 849. exigua remedies. (26) 250.
law in New York, (37) 190. manual, (29) 895.	exigua remedies, (26) 250. frugiperda, see Army worm, fall.
Torrens system, (37) 492, 888; (39) 89.	Laramie-Poudre irrigation tunnel, (26) 892.

Larch—	Larus hyperboreus, subspecies of, (40) 254.
American, cambium development in, (29) 343.	Larvae, rearing, (34) 651.
cambial activity, (37) 127. canker, notes, (32) 544, S44	Larvicides, tests, (25) 559. Laryngo-tracheal catarrh in horses, (34) 480.
canker, notes, (32) 544, 544	Laryngo-tracheal catarrn in norses, (34) 480.
canker, occurrence on pines, (30) 248.	Lasconotus, revision, (27) 259. Lasia globosa injurious to alfalfa, (33) 555.
case bearer, notes, (28) 57; (32) 448. case bearer, remedies, (33) 859.	Lasiocampidae of Japan, (39) 262.
case bearer, studies, (28) 857.	Lasioderma serricorne, see Cigarette beetle.
Chermes, studies, (40) 262.	Lasioderma sp., notes, (26) 560.
defoliated, growth in, (29) 643.	Lasiodiplodia—
European, drought resistance, (38) 44. form variations, (39) 352.	nonvalidity of genus, (31) 445; (34) 242. theobromae, notes, (29) 155, 345; (30) 50; (35) 45; (37) 452, 553; (40) 155, 252.
insects of bark and wood, (40) 453.	45: (37) 452, 553: (40) 155, 252.
leaf disease, notes, (34) 849.	triflorae n.sp., studies, (34) 748.
longicorn beetle affecting, (32) 155.	tubericola, description, (30) 150.
mistletoe, injurious effects, (34) 547.	tubericola, studies, (34) 242.
moth, remedies, (33) 859. needle cast, notes, (30) 545.	Lasiophthicus pyrasti— destructive to citrus plant lice, (26) 755.
needles, drying, notes, (29) 156.	parasitic on rose aphis, (31) 250.
needles, drying, notes, (29) 156. plantations in Ireland, (31) 240; (33) 542.	Lasioptera—
Razoumofskya infection, (40) 253.	fructuaria n.sp., description, (34) 852.
roller, gray, notes, (30) 550.	vitis, notes, (37, 255.
sawily—	Lasiopteriariae, studies, (40) 163.
fungus parasite of, (26) 63. large, biology and remedies, (28) 658.	Lasiosina n.spp , descriptions, (40) 263. Lasiosphaeria culmorum n.sp., studies, (27) 154.
large, chalcidid parasite of, (26) 353.	Lasiostroma pirorum, notes, (26) 449.
large, notes, (27) 53, 460, 552; (30) 362; (32)	Lasius—
754.	(Acanthomyops) interjectus, remedies, (34) 62.
large, parasites of, (32) 352.	niger americanus, life history, (29) 860.
notes, (28) 653; (29) 252; (30) 845; (38) 257. studies, (35) 54.	niger americanus, studies, (30) 546. Laspeyresia—see also Grapholitha.
seedlings, absorption of fertilizers by, (26) 443.	caryana, notes, (38) 256, 762; (39) 557.
seeds, germination tests. (27) 444.	caryana, studies, (38) 157.
stands, effect on soil physics, (28) 140. timber, tests of strength, (28) 744.	interstinctana, see Clover seed caterpular.
volume tables, (39) 246.	molesta—
western—	brief account, (40) 652. description, (36) 358.
anzlyses, (38) 309.	in Maryland, (38) 154.
description and use, (35) 451.	in Maryland, (38) 154. studies, (39) 259, 260; (40) 756.
galactan of, (35) 611. growth and adaptation. (36) 144.	summary of information, (39) 761.
growth and adaptation. (50) 144.	pomonella, see Codling moth.
properties and uses, (29) 43. volume tables for, (34) 641.	prunivora, notes, (40) 758. strobilella, notes, (31) 849.
witches' broom on, (36) 453.	Lassen Peak, eruption of, (36) 419.
Lard—	Latania scale, notes, (28) 854.
adulteration, (31) 161.	Laterite-
adulteration, detection, (27) 716; (29) 798; (32) 802.	as sewage filtering material, (28) 789. formation and composition, (31) 119.
analyses, (31) 357.	formation in soils, (30) 320.
and milk fat, comparative value for growth, (36)	Lateritization of soils under arid climates, (28) 812.
160.	Laternea columnata—
as affected by feeding stuffs, (32) 21; (40) 772.	notes, (39) 30.
as affected by peanuts, (37) 367. detection of foreign fats in, (39) 805.	on sugar cane, (40) 157. Latex—
digestibility, (34) 364, 659; (40) 268.	hydrometer, use, (32) 48.
examination, (28) 65	of rubber plants, physiology of, (31) 128.
failure to promote growth, (33) 263.	physiological studies, (32) 328.
notes, (27) 365. preparation, (35) 317.	Latexes, caoutehouc-bearing, constitution, (27) 244. Lath—
preservatives, detection, (31) 508.	industry in Canada, (26) 544; (28) 644; (30) 46; (32) 841; (35) 347; (36) 244; (37) 245; (38) 146. industry in United States, (30) 845.
production in United States, (40) 614.	(32) 841; (35) 347; (36) 244; (37) 245; (38) 146.
refractive index, (27) 615.	industry in United States, (30) 845.
rôle in glycogen formation, (31) 763.	production in 1916, (37) 148.
short-weight packages, (26) 461.	production in 1915, (37) 148. production in 1916, (39) 452. production in 1917, (40) 843.
stearin, refractive index, (27) 615. substitute in Austria, (29) 564.	Latheticus oryzae, studies, (37) 356.
substitute, metallic nickel in, (29) 459.	Lathromeroides neomexicanus n.sp., description,
substitutes accessory growth substance in, (36)	(34) 556.
265.	Lathyrus— culture experiments, (28) 633.
substitutes for, (33) 660. supply in United States, (38) 866.	sativus—
water content, determination, (26) 207.	anatomical structure, (31) 314.
Laria—see also Bruchus.	for pigs, (28) 304.
rufimana, studies, (27) 563. Lark—	poisoning of horses by, (35) 282. spp., culture experiments, (28) 532.
California horned, destruction of locusts by,	sylvestris, yields, (30) 134.
(28) 351.	tingitanus as green manure, (39) 31.
western meadow, destruction of locusts by,	tingitanus, culture experiments, (30) 632.
(28) 351.	Latitude—
western meadow, feeding habits, (28) 351.	annual variation of, (35) 619. effect on forest development, (30) 45.
Larkspur— anthocyan of, (34) 709.	Latreillimyia bifasciata, notes, (28) 856.
description, (32) 474.	Latrodectus mactans, notes, (38) 566.
notes, (32) 778.	Laundering—
of Wyoming, analyses, (30) 577.	home, sids in, (29) 792.
poisoning of livestock by, (27) 180; (29) 280; (35) 779; (39) 386, 587, 787, 788.	suggestions for, (33) 495. Laundries, equipping, (28) 461.
seed fluid extract, insecticidal value, (32) 56.	Laundry—
tall, eradication, (38) 82.	cooperative, (30) 395; (35) 191.
Larus franklini, notes, (27) 855.	machinery and equipment, notes, (27) 793.

```
Laundi y—Continuc'i.
machinei;, use in takin'ection and disinsection,
(40, 551.
Laurel—
                                                                                                                                                                                                                                                                     Lead-Continued
                                                                                                                                                                                                                                                                                     ad—Continued
assenate—continued.
assenate—continued.
assenate—continued.
tests, (27) 440; (25) 48: (65) 342; (37) 448.
use legainst tobacco hernworms, (29) 356;
(31) 434; (38) 178.
use in agriculture, (34) 851.
use in vificulture (36) 557.
use with lime sulphur, (38) 251.
use with other spinys, (28) 258.

V. Calcium argenate as an insecticide, (33)
                   green, analyses. (20) 67.
leaves, evolution of hydrogranic acid from, (26)
 228.
leaves, free hydrocycnic acid in, (27, 635.
psyllid. studies, (37) 8-9.
silver leaf d.sease affect.ng, (29) 845.
Laurentia, North American species, (40) 7c1.
Lauric acid solts, solubility, (35) 416.
Lauric and myristic acids, separation, (35) 416.
Lauric acid solts, separation, (35) 416.
Lauric acid solts, separation, (35) 416.
                                                                                                                                                                                                                                                                                       v. calcium arsenate as an insecticide, (33) 339, 340.
as affected by—
  Lauron vinosa, life history and habits, (32) 756.
Laurus nobilis, oil of, (36) 803.
                                                                                                                                                                                                                                                                                                          alkaline natural water, (30) 511.
                                                                                                                                                                                                                                                                                       various waters, (30) 511.
various waters, (31) 512.
basic white v. sublimed, as priming for paint,
(33) 91.
  Lava-
 Lava—
analyses, (30) 859.
bricks, efflorescence on, (29) 203.
of Hawaii, studies, (33) 418.
Lavandula spica, oil of, (36) 503.
Lavatera, tests, (37) 143.
Lavender. culture in Victoria. (27) 346.
Lavender Phoma disease, studies, (36) 851.
Lavocat for horses and cattle, (30) 67.
Law of munimum—
                                                                                                                                                                                                                                                                                       benzoate, effect on potatoes, (27) 151, 237.
boring beetle, (39) 467.
chlor arsenate, preparation and properties, (36)
                                                                                                                                                                                                                                                                                                 412.
                                                                                                                                                                                                                                                                                       chromate, insecticidal value, (27) 161; (29) 758. chromate, use against caterpillars, (32) 850. detection in water, (34) 410.
   Law of minimum-
                   wot minimum—application in irrigation, (32) 481.
notes, (27) 721, 823; (28) 420, 518, 722; (30) 135, 228, 321, 519, 627; (31) 17, 28, 118, 221, 327; (34) 218.
                                                                                                                                                                                                                                                                                        determination in-
                                                                                                                                                                                                                                                                                                            baking powder, (27) 499; (29) 799, 866; (32)
                                                                                                                                                                                                                                                                                       298, beer, (26) 409. water, (32) 505; (38) 506. effect on germ cells of male rabbits and fowls, (32) 861.
                    grass, Korean, notes, (26) 362.
grasses as affected by soil acidity, (40) 125.
grasses, new Sclerotium disease, (39) 753.
mixtures, tests, (29) 145; (35) 742.
                                                                                                                                                                                                                                                                                        (32) 501.
effect on nitrogen-fixing bacteria, (38) 428.
effect on plant growth, (38) 819.
foils for packing tea, (33) 66.
in orchard soils, (31) 720.
in pharmaceutical zino axid, (40) 413.
                   wns—
bibliography, (34) 238.
construction and maintenance, (35, 145.
construction and maintenance, (39) 37.
fertilizer experiments, (37) 446.
handbook, (27) 41.
in sand hills of Nebraska, (35) 835.
in the South, management, (26) 299.
management, (32) 828.
notes, (27) 346.
reconstriction and care (34) 536.
                                                                                                                                                                                                                                                                                         metallic, effect on Aspergillus niger, (30) 824.
                                                                                                                                                                                                                                                                                        nitrate
                                                                                                                                                                                                                                                                                                          effect on growth of corn, (31) 226.
effect on sugar beets, (26) 225; (30) 529;
(34) 38.
                                                                                                                                                                                                                                                                                        preparation, (40) 801.
oxid, determination in lead arsenate, (27) 496.
oxid, effect on germination of seeds, (29) 528.
   preparation and care, (34) 836.
starting, (29) 148.
Lawsonia alba, studies, (35) 449.
                                                                                                                                                                                                                                                                                       oxid, enect on germination of secus, (as) we poisoning—
effect on germ cells, (38) 368; (35) 564. in waterfowl, (39) 687. through water supplies, (30) 418. removal from water, (34) 390.
   Lead-
                     arsenate
                                      mate—
addition of soft soap to, (33) 538.
adhesiveness of, (26) 256; (38) 858.
analyses, (26) 65, 715, 757; (27) 344, 441, 755, 756, 757; (29) 42; (31) 49, 142; (32) 169; (33) 47, 735; (34) 436, 639; (36) 39; (37) 243; (38) 643; (39) 240.
                                                                                                                                                                                                                                                                                       salts, effect on—
ammonification and nitrification in soils.
                                                                                                                                                                                                                                                                                                                     (31) 120.
                                                                                                                                                                                                                                                                     (31) 120.
disease susceptibility in cereals, (29) 844.
plants, (28) 731.
wheat, (29) 520; (35) 324.
salts, fertilizing value, (30) 627.
toxic effect on plants, (38) 628.
Leadwort, notes, (29) 441.
                                     obs; (39) 240.
and soap mixtures, soluble arsenic in, (31) 409.
and soap mixtures, soluble arsenic in, (31) 409.
as fungicide for apple scab, (36) 50.
as summer spray for apples, (33) 46.
basic, preparation and properties, (37) 410.
chemistry of, (32) 713.
costs and efficiency, (40) 163.
decomposition by water, (37) 802.
different brands, (39) 348.
dihydrogen, (39) 767.
dust, use with sulphur, (39) 548.
effect of scap on settling, (28) 354.
effect on apple roots, (39) 40.
effect on apple roots, (39) 40.
effect on apples, (33) 46; (40) 639.
for boll weevil, (40) 752.
fungicidal value, (27) 153; (31) 151; (33) 237,
648; (34) 146; (35) 549; (39) 652.
injury to stone fruits, (37) 348.
insecticidal value, (27) 439; (28) 659; (32)
153, 847; (34) 60, 140, 548; (37) 759.
insecticidal value (27) 439; (29) 802.
methods of analysis, (27) 496.
occurrence in grape products, (27) 243.
paste as affected by freezing, (36) 456.
poisoning, danger from, (33) 98.
porparation, (26) 582; (40) 801.
preparation and tests, 433) 801.
preparation and properties, (23) 308.
preparation and properties, (23) 308.
preparation and properties, (28) 208.
preparation and properties, (28) 90.
preparation and properties, (28) 307.
preparation and properties, (28) 308.
preparation and properties, (28) 307.
                                         and soap mixtures, soluble arsenic in, (31)
                                                                                                                                                                                                                                                                                     adwort, notes, (29) 441.

af—

blade, sheath, and internode, physiological unity of, (35) 330.

blister mite, notes, (27) 565.

bug, dusky, affecting potatoes, (32) 57.

bug, dusky, notes, (33) 352.

bug, four-lined, see Poecilocapsis lineatus. color, relation to light absorption, (33) 825.

crumpler, notes, (26) 856.

development, studies, (37) 324.

diseases in Jamaica, (39) 849.

epidermis, light sensitivity, (37) 222.

etiolation due to cold, (35) 330.

fall, relation to light and temperature, (27) 221.

fall, studies, (32) 825.

miner, serpentine, notes, (32) 753; (33) 255.

miner, serpentine, studies, (39) 156.

miners, monograph, (34) 553.

miners, notes, (28) 159.

miners of Hawaii, (30) 660.

mold, analyses, (32) 520; (34) 521.

mold, fertilizing value, (29) 622.

mold for greenhouse crops, (40) 740.

mold, formation, (28) 814; (33) 24.

pigments, notes, (21) 778.

position of compass plants, studies, (28) 228.

roller, oblique banded, notes, (23) 854; (35) 853.

rollers, notes, (27) 151.

sewer, notes, (38) 358.
```

```
Leaf—Continued sheath, value in descriptive bot my. (36) 628. structure as affected by light and shade, (37) 747. structure as related to position on tree, (39) 20. surface films, effect on transpiration, (30) 726;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Leaves—Continued.
nitrogen content, (28) 328.
oometic pressure in relation to soil moisture, (36)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   osmotic pressure in, studies, (27) 631.
penetration by violet and ultraviolet rays, (31)
129.
                                                                 (31) 825.
                                          temperature, determination, (30) 223.
temperature, review of literature, (32) 640.
tissue, parasitized, studies, (27) 543.
variegation, transmission through grafts, (26)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      phosphoric acid and nitrogen content, (27) 731.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   plant food constituents, (37) 629.
red and rellow colorations in, (30) 729.
relation of water content to transpiration, (27)
                                             water in Gossypium, studies, (28) 822.
weevil, new, in New York, (36) 859; (37) 359.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              relation of water content to transpiration, (24) 331.
resistance to transpiration, (28) 528.
respiration in darkness, (28) 822.
respiration in, periodicity, (29) 324.
respiratory coefficient, (31) 33.
rôle in soil absorption, (32) 319.
senile changes ir., (34) 222.
senility in, (32) 725.
symbiosis with fungi, (37) 327.
translocation of sugars from, (26) 229.
transpiration as affected by sprays, (36) 454.
transpiration in, 25) 820; (29) 217; (31) 222.
transpiration in as affected by light, (28) 529.
transpiring power, (36) 824.
variegated, anatomy of, (33) 724.
variegation of, (26) 529.
wet, transpiration in, (27) 222.
wet, transpiration in, (27) 222.
wet, transpiration in, (27) 222.
white speek disease of, (33) 650.
winter and summer, comparison, (37) 327.
xerophotic movements in, (36) 430.
ben, composition, (36) 674.
weevil, new, in New York, (36) 859; (37)
Leafhoppers—
egg parasites, (37) x6u.
life histories, (35) 552.
new species, (28) 753.
notes, (40) 854.
of Maine, (33) 356.
cf Nova Scotia, (40) 261.
of Tennessee, (36) 654.
parasites of, (39) 870; (40) 265.
studies, (27) 588.
Leafy twigs, preservation, (37) 837.
Leaming, J. S., 1 lographical sketch, (26) 437.
Least squares, methods of, (36) 419.
Leather—
       adulteration, (29) 866.
availability of nitrogen in, (26) 523; (28) 725; (38)
     beetle in Hawaii, (40) 266.
chemistry, (40) 714.
cuttings as cattle feed, (37) 171.
fertilizing value, (38) 121.
ground, fertilizing value, (26) 323.
home manufacture, treatise, (38) 13.
manufacture, studies, (30) 615.
meal, detection in dried blood, (38) 711.
methods of analysis, (27) 205; (32) 314; (35) 316.
nitrification of, (31) 724.
rousted, availability of nitrogen in, (26) 725.
studies, (29) 207.
supply of United States, (39) 477.
tannery sludge, fertilizing value, (28) 734.
volumenometer, (40) 208.
waste as source of lime, (38) 22.
waste, fertilizing value, (29) 129; (33) 125, 327.
Leathers, identification, (28) 713.
Leavening agents, treatise, (33) 66.
                                               beetle in Hawaii, (40) 266.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Leben, composition, (36) 674.
Lecaniobius cockerelli in California, (30) 753.
Lecaniodiaspis rufescens, notes. (26) 149.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lecaniodisspis rufescens, notes. (26) 149.
Lecanium—
capreae, chalcid parasites, (40) 651.
cerasi, remedies, (33) 633.
cerasifex, notes, (27) 455.
corni, notes, (26) 555.
corni, studies, (37) 662.
hesperidum, notes, (38) 746.
nigrofasciatum, notes, (29) 383.
nigrum, notes, (28) 353.
oleae—see also Black scale.
notes, (27) 357, 857; (30) 455.
parasite of, (20) 655.
persicae, notes, (36) 355, 755
cuercifex, notes, (29) 53
spp., in Seeychelles, (30) 252: (33) 555.
spp., notes, (26) 556, 655.
tulipifera, notes, (27) 755.
viride, funcus disease affecting, (26) 553.
Lecithic's in cod liver oil, (33) 106
Lecithic's in cod liver oil, (33) 106
Lecithic's in cod liver oil, (33) 202
                                        athers, identification, (28) 713.
avening agents, treatise, (33) 66.
aves—
absorption of sun energy in, (30) 45.
aging, translocation of materials in, (32) 825.
analyses, (35) 629.
and seeds, dietary relationship, (37) 264.
arsenic and manganese content, (29) 623.
as affected by rusts, (30) 453.
as cause of soil deterioration, (32) 319.
as scurce of potash, (34) 327.
autumn coloration, (36) 633.
autumn, retention of green color in, (36) 225.
bucterial tubercles in, (29) 30.
blackening, studies, (30) 524.
carbohydrates in, variations, (29) 827.
cell shape, (39) 226.
chemical transformations in, (36) 633.
chlorophyll quotients in, (30) 629.
closure of, (36) 129.
coloration of, (31) 128.
composition and fertilizing value, (38) 722.
composition and fertilizing value, (37) 327.
feet on root formation and geotropic curvature, (37) 325.
etiolated, effect of light on, (33) 826.
formation of anthocyanin in, (28) 363.
formation of anthocyanin in, (28) 363.
incipient drying, (38) 522.
leaching of nitrogenous and mineral matter from, (29) 218; (32) 128; (35) 629.
light relations, (27) 221.
mineral content by day and night, (27) 630.
morphology and evolution, (38) 729.
movement of water in (28) 822.
nitrite assimilation in sunlight, (40) 425.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lecithin-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        athin—and allied substances, (39) 202. as source of phosphoric acid, (29) 423. assimilation by ruminants, (31) 71. composition, (35) 201. determination, (26) 709; (27) 502, 612. effect or effect o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      determination, (26) 709; (27) 502, 612.
effect on—
calcium and magnesium excretion, (26) 766.
complement-containing serums, (31) 478.
growth of white mice, (35) 866.
hemolytic action of peptones, (35) 881.
emulsions, preparation and determination of
strength, (29) 809.
fatty acids of, (31) 608.
flocculations with acids, (27) 612.
food preparations from, (32) 854.
for pigs, (30) 571.
hydrolysis and constitution, (27) 804.
importance in animal organism, (33) 758.
importance in metabolism of adults, (29) 664.
in different tissues, (31) 577.
in eggs, (26) 67; (23) 313; (29) 503.
in horse kidneys, (30) 477.
loss from grass during curing, (32) 111.
metabolism of, (26) 159, 765; (32) 764.
nutritive value, (26) 565.
phosphoric acid, less in, (31) 112.
phosphorus, determination in macaroni, etc.,
(33) 14.
products of soils, (32) 718.
purification, (30) 410.
rile in nutrition, (27) 67.
synthesis, (31) 10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             effect on
```

52831-26†---22

Lecithin-Continued.	Legumes-Continued.
synthesis in hens, (26) 269. therapeutic use, (27) 67. "L'eclair bleu" reaction, studies, (40) 311.	water requirements, 13x 227.
therapeutic use, (27) 67.	wild, culture experiments, (34) 736
"L'eclair bleu" reaction, studies, (40) 311.	Leguminosae-
Lecythis charm, fungi anecting, (25) 550.	comparative morphology, (31 621.
Leeches, notes, (33) 659. Leeks—	composition as affected by compan on crop (25) 517.
cooking, (31) 856.	
thrips affecting, (32) 553.	economic value, treatise, (37) 28. nodule bacteria of. (32) 727.
wild, occurrence of arsenic in, (27) 269.	seedling structure in, (28) 38.
Leersia hexandra, notes, (26) 362; (30) 230. Lees, lead arsenate in, (27) 243.	serological study, (31) 733.
Lees, lead arsenate in, (27) 243. Leghorns, treatise, (28) 774.	specialization of nodule bacteria of, (29) 733. tannin content, (30) 227.
Legume—	treatise, (31) 523.
anthracnose, notes, (39) 146; (40) 48.	Leguminous-
bacteria and nonlegume plants, symbiosis, (37)	cover crops for Guam, (40) 328.
819.	crops for no-thern Wisconsin, (28) 738.
cultures, distribution, (28) 476. diseases in Switzerland, (37) 47.	plants— and cereals, associative growth, (28) 720.
diseases, notes, (39) 353.	as green manure, (37) 320.
diseases, studies, (33) 547. pod maggot, studies, (27) 553. pod moth, studies, (27) 552.	assimilation of nitrogen by, (30) 435; (31)
pod maggot, studies, (27) 553.	131, 523.
pod moth, studies, (27) 552.	hreeding emeriments, (29) 138, 139; (31) 830.
proteins, unitation (20) 504.	classification of varieties, (27) 31. culture, (26, 830; '32) 430.
seeds, abortive position in pod. (40) 521.	plants, culture—
seeds, hard, germination, (35) 835.	continuous, (31) 226.
proteins, utilization (26) 564. seed, investigations, (40) 39. seeds, abortive position in pod, (40) 521. seeds, hard, garmination, (35) 835. seeds, ripening, (35) 523. straw. feeding value, (38) 168.	experiments, (27) 32; (29° 631; (30) 828; (31)
	628, 733; (37) 330. in Brazil, (29) 428.
Legumes— analyses, (31) 829.	India, (29) 736.
anatomical structure, (28) 660.	Mexico. (32) 131.
and flaxseed combinations, preparation, (38)	Mexico, (32) 131. North Carolina, (31) 132.
365.	plants, effect on—
and nonlegumes, associative growth, (32) 432;	associated nonlegumes, (37) 438.
(40) 821. and nonlegumes, effect of association, (33) 527.	nitrogen content of soils, (31) 733.
as affected by sodium chlorid, (40) 434.	soil bacteria, (37) 121 plants—
food, (34) 164.	embryology, (30) 633.
green manure, (35) 517; (38) 231.	fertilizer experiments, (26) 424, 725; (29) 227
orchard cover crops, (28) 144.	(31) 132, 628, 733; (32) 37,
pasture crops, (39) 130. creatinin in, (32) 560. culture, (39) 834; (40) 39.	fertilizing value, (29) 820; (30) 125; (37) 214
culture. (39) 834: (40) 39.	fertilizing value of above-ground parts, (31)
culture experiments, (33) 31, 227; (84) 228, 736;	formation of nitrogen by, (26) 7
(38) 526, 527, 634.	formation of nitrogen by, (26) 7 fungicidal treatment, (29) 328,22.
culture on moor soils, (39) 438.	growth in acetylene gas, (27) 827. illustrated lecture on, (37) 194.
decomposition in soil, (40) 214.	ingests effecting (27) 155 (22) 754
digestibility, (33) 361. dried, cooking, (40) 360.	insects affecting, (27) 155; (32) 754. irrigation experiments, (37) 639.
effect on—	methods of variety testing, (28) 436.
composition of cereals, (34) 230.	new, analyses and feeding value, (29) 467.
quality of butter, (29) 278.	nitrates in, (36) 329.
soil acidity, (38) 20.	nitrogen assimilation by, (29) 326.
soil nitrogen, (26) 196. exhibits for farm and school use, (29) 93.	nitrogenous fertilizers for, (37) 134. notes, (26) 882.
fertilizer experiments, (38) 527,	pollination experiments, (37) 734.
(40) 429.	potash fertilizers for, (32) 228.
fungoid and insect pests, (40) 747.	production in New York, (39) 532.
growth and nitrogen-fixing power on acid soils, (36) 514.	root systems of, (31) 830. root tubercles, see Root tubercles.
growth as affected by manganese sulphate, (33)	seed color variation in, (37) 334.
820.	treatise, (32) 432.
hybridization experiments, (34) 228. importance for milch cows, (38) 779.	tubercle bacteria of, (26) 824.
in decert cariculture (38) 220	value in agriculture, (36) 635.
in desert agriculture, (38) 230, (32) inoculation, (29) 142, 228, 326; (31) 131, 330; (32) 428; (39) 116, 232, 338, 439, 723, 813; (40) 215, 719, 736, 822.	varieties, (29) 138, 427, 631; (30) 525, 828; (31) 524, 623, 733; (32) 37. seeds, germination tests, (36) 437. seeds, hard, germinability, (34) 225.
423; (39) 116, 232, 338, 439, 723, 813; (40) 215,	seeds, germination tests, (36) 437.
719, 736, 822.	seeds, hard, germinability, (34) 225.
inoculation experiments, (26) 322; (27) 322, 419, 531; (29) 316; (30) 335; (31) 524; (32) 630, 818; (35) 322, 727.	Deguming—
(35) 322, 727	in peas, (40) 607.
liming experiments, (36) 229.	lysin content, (31) 559. Leidyana tinei n.sp., description, (39) 659.
nitrogen assimilation by, (33) 426.	Leiognathus morsitans—
merogen teranization, (21)	n.sp., description, (35) 263.
nitrogen fertilization v. inoculation, (35) 517.	notes, (37) 360.
nitrogen fixation by, (26) 37; (38) 528. nodule bacteria of, (33) 823.	Leiomerus granicollis n.sp., description, (37) 58. Leishmania—
pentosans of, (34) 168.	donovani, development in mosquitoes, (26) 656
preservation, treatise, (29) 116.	photomicrographs of, (29) 478,
production in Spain, (30) 791; (85) 393; (37)	relation to Pulex serraticeps, (28) 185.
827; (40) 793.	Leishmaniasis—
purin content, (40) 205. relation to beriberi, (27) 461.	in Yucatan, (27) 782.
selection experiments, (35) 334.	Induced development of, (33) 862. notes, (35) 75, 464.
silage from, (38) 636.	transmission by fleas, (36) 654.
stachvose in. (28) 761: (31) 13.	Leishmanioses, monograph (39) 683.
use II ilie dietary, (29) 862.	Lema melanopus—
use in the dietary, (29) 862. varieties, (26) 424; (28) 828; (31) 829; (34) 736; (35) 134; (38) 634.)	life history and control, (34) 857. notes, (31) 654.

Lemen -	Lemurs, chicmetin bou is in er; throcytes of, (29)
birk blotch, notes, (31) 244. olack pit, description, (29) 659.	Lens esculenta as a creen manure, (35, 31.
tlack pit, studies, (30) 652.	Lentil-
brown rot gum disease, studies, (32) 55.	flour, digestibility of protein, (33) 564.
brown rot, notes, (37) 656. cottony rot, notes, (36) 452.	seeds, disinfection experiments, (31, 738, seeds, oil content, (27, 716.
cottony rot. studies, (34) 749.	starch, studies, (31, 525.
cottony rot. studies, (34) 749. cur.ng rooms, humidifier for, (36) 842.	Lentils—
die-back, cause, (31) 450. disease, notes, (39) 753.	analyses. (28 400; (29) 550.
liseases, investigations, (32) 208.	culture, (36) .37. culture experiments, (28) 735.
diseases, notes, (29, 243.	description and agricultural value, Co.) 635.
essence, analytical methods and standard for,	d'gestibility, (32) 168.
(30) 558. extract, analyses, (35) 663.	Egyptian, notes. (28) 532. fertilizer experiments. (26) 631; (31) 133.
extract, methods of analysis, (35) 417.	fertilicing value, (26) 233
extract, terpeneless, studies, (26) 462.	germination as anected by depth of planting
grass oil, constants of, (36) 319. grass oil, production in United States, (36) 538;	(36) 437. permination as affected by Roentgen rays.
(37) 546.	(28) 128.
"green spot," studies, (35) 144. groves, damage by cold, (40) 342.	insects affecting, '29, 853 phosphorus content, '27, 461.
groves, heating, (40) 540.	prevention of heriberi hy, (28) 761; (31) 762.
gum disease, notes, (27) 546; (32) 53.	sprouting capacity relation to antiscorbution
gum diseases, treatment, (34) 240. gummosis, causal agents, (30) 51.	sprouting capacity relation to antiscorbution value, (39) 470.
	varieties, (26) 631; (31) 133. Lentinus—
gummosis, studies, (33) 550.	lepideus, notes, (27) 653.
gummosis, treatment, (39) 758.	spp., pseudosclerotia of, (35) 251.
industry in Camornia, (29) 440.	Lenzites sepiaria—
juice, antiscorbutic factor, (40) 364, 869.	effect on greenheart, (34) 56. enzymatic activity, (37) 129.
juice, osmotic pressure, (28) 262.	studies, (40) 350. wood decay induced by, (37) 727.
gummosis, studies, (33) 550. gummosis, studies, (33) 550. gummosis, treatment, (39) 758. industry in California, (29) 440. industry in Italy, (28) 437. julce, antiscorbutic factor, (40) 364, 869. juice, osmotic pressure, (28) 262. juice, preparation, (33) 316. mottled leaf, cause, (27) 251. oil adulteration, detection, (26) 312; (27) 207. peel. betains in, (27) 204.	Wood decay induced by, (37) 727.
oil adulteration, detection, (26) 312; (27) 207.	Leontodon hirtus, description, (35) 642. Leopard moth—
	description, (35) 55.
peel, candied, manufacture and analyses, (27)	injurious to apples, (26) 150.
rots, life history and treatment, (28) 245.	life history and remedies, (28) 253.
scab, notes, (31) 539, 645.	notes, (26) 856; (28) 57, 351; (30) 455; (34) 755 remedies, (31) 652.
scab, studies, (36) 353.	remedies, (31) 652. studies, (26) 556: (27) 658.
seeds, agglutinating properties, (31) 774. seeds, notes, (32) 613.	wood, notes, (28) 353.
skins, analyses, (38) 626. skins, isolation of fat from, (29) 459.	Lepidiota—
skins, isolation of fat from, (29) 459.	albohirta, notes. (32) 555. albohirta, remedies, (36) 658.
sour rot, description, (37) 843. tree, orange-like fruit. (40) 151.	frenchi affecting sugar cane, (38) 864.
tree, orange-like fruit, (40) 151. wither-tip, notes, (34) 241. yellow, effect on digestion, (26) 68.	frenchi affecting sugar cane, (38) 864. frenchi, control, (40) 648.
yellow, effect on digestion, (26) 68. Lemonade sirups, examination, (30) 258.	spp. in Queensland, (39) 255. stigma, notes, (35) 467.
Lemons—	Lepidium sativum seeds, germinability, (38)'729.
and oranges, hybrid between, (33) 441.	Lepidopria aberrans n.sp. description, (36) 556.
as source of citric acid and essential oils, (33) 540. asexual reproduction of seeds, (31) 533.	Lepidoptera— as affected by Roentgen rays, (27) 6.6.
bud selection. (40) 151.	catalogue, (28) 252, 253; (39) 557.
bud variation in, (36) 537; (37) 345.	Classification, (35) 464; (38) 160.
crown gall affecting, (28) 447. culture, (36) 538.	collecting and preserving, (35) 594; (39) 560. female, at light traps, (39) 560.
culture experiments, (28) 236; (40) 339.	habits. (35) 756.
culture experiments, (28) 236; (40) 339. culture in Messina, (35) 448.	habits, (35) 756. in and about Truro, Nova Scotia, (35) 853.
culture in Texas, (38) 40. curing, (26) 47.	intesting peach and apple, (40) 756.
decay in, (36) 546.	injurious to conifers, (39) 656. Japanese, life history, (37) 57.
decay in, (36) 546. descriptions, (27) 745. enemies of, (28) 352.	Japanese, life history, (37) 57. new, from Mexico, (39) 465, 561.
enemies of, (28) 352.	
examination, (36) 319. fertilizer experiments, (32) 233.	new. of Mexico. (34) 64. 855.
fertilizer experiments, (32) 233. food plant of purple scale, (26) 756. forced curing of, (28) 641. frozen, changes in, (40) 539. frozen, composition, (84) 365, 502; (36) 416. grating experiments, (32) 233.	new, of Antilles, (34) 64. new, of Mexico, (34) 64. new, of North America, (37) 564. of Hawaii, (34) 556; (38) 557. India, (35) 358. Isle of Pines, (37) 158. North America, (28) 253.
forced curing of, (26) 641.	of Hawaii, (34) 556; (38) 557.
frozen, composition, (34) 365, 502; (36) 416.	Isle of Pines. (37) 158.
gratifie departments, (an) 100.	North America, (28) 253. North America, check-list, (37) 563.
immunity to collar rot, (31) 244.	North America, check-list, (37) 563. Panama Canal Zone, (34) 855.
improvement by bud selection, (33) 737; (35) 647.	Yale-Dominican expedition, (34) 855.
insects affecting, (27) 453.	olfactory organs of, (38) 160.
jelly from, (34) 207.	overwintering pupae of, (26) 656. parasites of, (39) 468.
old, pruning, (39) 243. optimum soil moisture conditions. (37) 834.	scent organs, (27) 558.
persistence of style on, (36) 523.	taxonomic value of larval characters, (36) 254.
protection against frost, (27) 439.	Lepidopterology, treatise, (26) 348, 455; (28) 453
rapid curing, (29) 440. ripening processes, studies, (26) 138.	(35) 358. Lepidopterous larvae—
shading, (39) 544.	aerostatic hairs of, (30) 55 classification, (35) 258.
spotting of, (35) 50.	classification, (35) 258.
storage and curing experiments, (36) 741. variability of yield, (38) 744.	hypopharynx of, (34) 553. of Japan, (40) 456.
variations in, (27) 441.	of Mexico, (38) 765.

Lepidopus caudatus, analyses, (25) 479.	Leptostylus—Continued
Lepidosaphes—	macula, relation to chestnut back disease, (35)
alba, notes. (28) 855. becku, see Purple scale.	756.
beckii, see Purple scale.	praemorsus, notes, (31) 58.
ficus in California, (37) 563.	Leptothrips floridensis, notes, (31) 751.
gloveri, see Glover's scale.	Leptothyrium—
lisianthi, notes, (28) 754.	asparagi n.sp., description, (32) 146. carpophilum, notes, (35) 550.
newsteadi, notes, (35) 54.	carpophium, notes, (5a) ball.
olivina, n.sp., description, (32) 419. spp., notes, (26) 757.	romi motos (20) 154: (29) 550
ulmi, see Oyster-shell scale.	caspicum n.sp., notes, (24) 842. pomi, notes, (20) 154; (38) 550. pomi, treatment, (27) 747.
Lepidoscelio vintrix—	Leptotrombidium akamushi—
n.sp., description, (38) 63.	n g., studies, (37) 858.
notes, (40) 459.	relation to Lepius autumnalis, (37) 859.
Lepiota-	Leptura zebra, notes, (28) 351; (30) 154.
procera, prevalence in South Africa, (29) 461.	Leptura zebra, notes, (28) 351; (30) 154.
spp., effect on vegetation, (38) 222.	Lepturges spermophagus n.sp., description, (40) 6:4. Leptus akamushi, studies, (30) 870.
Lepisma saccharina, life history and parasites, (35) 657.	Leptus akamusii, studies, (39) 870.
Leprosy—	Leptus autumnalis, notes, (37) 859. Lepyronia quadrangularis, life history, (36) 458.
bacillus, dissemination by house fly, (29) 457. bacillus, studies, (33) 178, 771. in rats, (27) 751; (29) 651. relation to bedbugs, (31) 550.	Lespedeza, see Clover, Japan.
bacillus, studies, (33) 178, 771.	Lestophonus, studies, (36) 757.
ın rats, (27) 754; (29) 651.	Lestremiinae, studies, (30) 657.
relation to bedbugs, (31) 550.	Leteensuo Moor Experiment Station, report. (27)
relation to flies, (31) 851. relation to head lice, (27) 858. transmission, (26) 758; (36) 554.	723.
transmission (96) 759, (96) 554	Lettuce—
Leptinillus validus, parasitism, (31) 60.	anthracnose, studies, (30) 355.
Leptinotarsa—	bacterial— disagra description (20) 242
decemlineata, see Potato beetle, Colorado.	disease, description, (29) 242, diseases, notes, (37) 652.
evolution in, (40) 860.	diseases, studies, (33) 742; (39) 455.
Leptinus testaceus, parasitism, (31) 60.	rot, investigations, (31) 747.
Leptobyrsa—	stem and leaf disease, (37) 841.
explanata, notes, (32) 550; (36) 656.	Botrytis disease on. (36) 541.
explanata, studies, (34) 451.	breeding experiments, (35) 141.
rhododendri, notes, (32) 550; (37) 563; (40) 753.	catalytic fertilizers for, (27) 629.
Leptocarydium alopecuroides—	culture, (26) 303, 539; (37) 143. culture in Arizona, (39) 745.
analyses, (36) 334. studies. (38) 66.	culture in greenhouses, (26) 710; (33) 42; (39) .)11.
Leptocera sylvatica in North America. (35) 759.	decay in transit. (38) 444
Leptochlon-	decay in transit, (35) 444. disease in Rio Grande Valley, (38) 450.
chinensis, notes, (20) 362.	diseases in Michigan, (38) 545.
Virgata, culture in Hawaii, (32) 729.	diseases, notes, (39) 353.
Leptocorisa varicornis, notes, (33) 856; (38) 257; (40)	diseases, treatment, (39) 52.
261.	drop, description and treatment, (29) 846.
Leptoglossus— (29) 353, 357.	drop, notes, (28) 847; (31) 747; (35) 844.
baltentus, notes, (40) 165.	electroculture experiments, (28) 326; (30) 745 fertilizer experiments, (34) 520, 532, 821; (39) 38, 542, 843; (40) 740.
membranaceus, notes, (27) 454; (32) 847.	38, 549, 843. (40) 740
membranaceus, notes, (27) 454; (32) 847. occurring north of Mexico, (38) 559. phyllopus on artichoke, (40) 58.	fertilizer requirements, (26) 818.
phyllopus on artichoke, (40) 58.	frozen, as affected by rapid thawing, (32) 4).
Leptonyiemyia coarctata—	germination in mercury vapor both (20) 897
control in Kief, (38) 257.	Grand Rapids, improving, (38) 142.
notes, (31) 852.	Grand Rapids, improving, (38) 142. greenhouse, carbon dioxid for, (39) 38.
Leptomyxa n.g. and n.spp., descriptions, (32) 321.	greenhouse, rot of, (36) 350. growth as affected by electric light, (28) 228
Leptophya distinguenda n.sp., description, (37) 563.	growth in ortificial light, (28) 735.
Leptops hopei, notes, (26) 353.	growth in shade, (29) 130.
Leptops liopei, notes, (26) 353. Leptopsylla musculi, bionomics of, (31) 853.	handling and precooling, (32) 234: (38) 444
Leptosphaetia—	handling and precooling, (32) 234; (38) 414 inserts affecting, (31) 649; (32) 753.
einnamoni n.sp., description, (27) 149. coffeicola, notes, (32) 749.	leaf 1 ot, notes, (27) 45.
cofference notes (32) 749.	liming experiments, (39) 221.
coffeigena, notes, (38) 51. coniothyrium—	mildew, prevention, (26) 342.
dissemination by tree crickets, (35) 547.	mulching v. clean culture, (33) 534.
notes, (31) 649.	nitrogen content, (39) 512. on acid soils, (39) 115.
relation to apple canker, (34) 653.	prinkly rust of (22) 5.15
eucurbitue n.sp., description, (37) 550.	Puccluia disease of, (28) 241.
culmifraga, notes, (36) 541.	purin content, (40) 205.
herpotrichoides—	Pucclain disease of, (28) 241. purn content, (40) 205. radioactive fertilizers for, (35) 628.
notes, (27) 747, 748; (30) 648, 748; (32) 641; (37) 248, 653; (40) 845.	
studies, (34) 244.	rot transment (98) 448, (20) 940
napi, notes, (38) 147.	root knot, notes, (36) 349. rot, treatment, (28) 446; (39) 249. Sclerotinia disease of, (29) 646.
sacchari—	
notes, (26) 445; (29) 345; (36) 846; (37) 553,	sclerotiniose, studies, (26) 448.
888: (40) 107, 848.	seed, germination tests, (26) 44.
studies, (38) 851. spp., notes, (28) 52; (30) 751; (31) 147.	seed, production, (38) 142.
tritici, notes, (32) 843.	seedlings, damping-off, (37) 651.
Leptospira—	steds, 18rge v. Sinsh, (31) 634.
icterohaemorrhagiae, see Spirochaeta ictero-	sclerotiniose, studies, (26) 448. seed, germination tests, (26) 44. seed, production, (38) 142. seedlings, damping-off, (37) 651. seeds, large v. small, (81) 634. sprnyed, arsenic on, (38) 55. storage experiments, (31) 533. typhoid bacilli on, (27) 766. yarieties, (38) 344.
haemorrhagiae.	typhoid bacilli on. (27) 786
now genis notes (37) 578	
Leptospora musae, notes, (27) 50, 449. Leptostroma pinastri, notes, (32) 845. Leptostyla, nearctic, key, (38) 559.	variety tests, (39) 745.
Leptostroma pinastri, notes, (32) 845.	watering, continuous, (37) 543.
Leptostylus—	wild, rubber from, (29) 241.
biustus, notes, (28) 855; (38) 363.	Leucaena glauca—
macula, dissemination of chestnut blight by,	analyses, (29) 215. as green manure for tea, (30) 43
(31) 451.	as shade for coffee, (34) 535.

Leucani 1—	Levan, occurrence in sugar, (28) 504.
pseudargyma, notes, (35) 553.	Levees—
umpuncta, see Army worm. Lencas pechuchi, analyses and digestibility, (27)	building by hydraulic diedge, (62) 589. building in California, (30) 289.
871; (32) 167.	construction and maintenance, (32) 187.
Leucaspis —	effect on river stages, (26) 417.
Japonica, notes, (34) 752, (35) 54,	enlargement, methods and cost, (33, 780.
pini in Argentina, (39) 560. Leucin—	in southeastern Missouri, (33) 780.
anhydra, a protein-hydrolysis product, (36) 801.	laws in Indiana, (35) 787. tables for level section, (31) 384.
as source of ammonia, (29) 723.	Levoglucosane, possible formulas, (40) 110.
assimilation by plants, (26) 32.	Levulosans, hydrolysis of, (31) 314.
conversion into glycocoll, (29) 61.	Levulose—
effect on ammonia production and use in killed plants, (28) 328.	absorption by plants, (27) (35.
effect on baking quality of flour, (26) 356; (30)	absorption in the intestines, (28) 763. as protective agent for enzyms, (20) 504.
555.	determination in presence of glucose, (37) 507.
in sugar cane juice, (30) 15.	heat of combustion, (26) 160.
ingestion, effect on metabolism, (28) 867.	humification, (38) 26. in Fucoideae, (29) 566.
l-Lencin in S., to clover silage, (37) 802.	in Fucoideae, (29) 506.
Lengte—	in grape leaves, (27) 731. preparation, (29) 803. reducing power, (35) 416.
as source of potash, (26) 42a; (27) 23, 323; (30) 216, 221; (34) 328; (39) 218.	reducing power. (35) 416.
decomposition by soil bacteria and yeast, (31)	Levulosuria in trypanosomiasis, (30) 381. Lieutard, A. F., biographical sketch, (39) 200.
121.	Liautard, A. F., biographical sketch, (39) 200.
effect on activity of soil hacteria, (31) 821 fortilizing value, (27) 725; (29) 319.	Libertella sp. on piniento, (39) 849.
solubility in sulphurous acid, (36) 114.	Libocedrus decurrens, commercial importance, (38) 751.
Leucitic lavas, Italian, as source of potash, (39) 219.	Libraries, rural, notes, (30) 496.
Leucocyte	Licaria guianensis, studies, (30) 347.
dissolving immuni bodies, (30) 477.	Lice-
ferments and ant fer nents, notes, (32) 70.	and nits, destruction in clothing and blankets,
tube, description, (31) 209. Leucocytes—	(38) 859. and their relation to disease, (37) 762.
as affected by fasting, (5, -v6.	as affected by heat. (40) 517.
bactericidal properties, (26) 175; (27) 582	as aflected by heat, (40) 517. as carriers of swine fever, (31) 884.
bactericidal substances, (27) 181.	asymmetrical bird, notes, (38) 36,
blood and oxudate, phagocytic activity, (29) 881.	bird biting, distribution and species forming among, (29) 53.
counting, (26) 779. counting in milk, (29) 206.	hiting and sucking notes (20) 454
effect on reaction of milk, (28) 680.	biting, remedies, (39) 360.
exudate, effect on antibody formation, (26) 278.	biting and sucking, notes. (29) 454. biting, remedies, (39) 360. body and head, life history and habits, (38) 159.
fixation of fetanus antitoxin by (26) 177.	body, biology, (35) 460. body, destruction with cyanid gas, (36) 456.
fixation of toxins by, (34) 275.	body, destruction with cyanic gas, (36) 456.
from immunized donkers, phygocytic power, (28) 677.	body, remedies, (34) 356, 854; (35) 854; (30) 551. borne diseases, prevention, (30) 456.
germicidal properties, (26) 883.	control by laundrying, (40) 355, 551.
in in.lk. (26) 370; (28) 473; (31) 372; (33) 382.	destruction, (35) 94.
of blood and pass, new curs in of, (38) 583.	destruction by heat, (36) 356.
of nathan 6100 i, fermont index, (20) 83.	destruction on hogs, (37) 882.
protective value an inimal diseases, (32) 876. rôle in immunity, (33) 477.	disease fransmission by, (40) 550. head, relation to leprosy, (27) 858.
rôle in metabolism of carbohydrates, (36) 265.	on cattle. (40) 651.
Leurocytic —	on cattle, (40) 651. hogs, (40) 652.
bacteriolysin, relation to body fluids, (31) 178. extract, therapeutic value, (29) 500; (31) 377.	horses, control, (40) 684. poultry, (32) 481; (35) 183; (37) 357; (40) 754. relation to recurrent fever, (29) 479. relation to trench fever, (39) 668. populities (23) 689; (38) 584; (30) 608.
extract, therapeutic value, (29) 500; (31) 377.	poultry, (32) 481; (35) 183; (37) 357; (40) 754.
reaction in infection and into ication, (26) 83. Leucocytosis, digestive, studies, (40) 71.	relation to french fever, (29) 479.
Leucocytotherapy, notes, (38) 588.	remedies, (33) 98; (36) 853; (39) 360, 861; (40) 61,
Leucocytozoon-	remodies, (33) 98; (36) 853; (39) 360, 861; (40) 61, 165, 651, 752. studies, (37) 850; (40) 355.
natis, notes, (33) 483; (37) 483.	studies, (37) 850; (40) 355.
piropiasmoides, notes, (27) 188. struthionis, notes, (28) 683.	Transmission of—
Leuconostoc mesenterioides, notes, (29) 153.	Tryphnosoma evansi by, (28) 756.
Leucophaea surinamensis, notes, (39) 761.	boliomyelitis by, (28) 753. Trypanosoma evansi by, (28) 756. typhus fever by, (26) 759; (33) 857.
Leucopholis rorida, notes, (35) 467.	Lienens
Leucopis-	as food for animals and men, (34) 164.
grandiaarnic natas (27) 656	destruction on fruit trees, (33) 857. heat development of, (31) 323.
bella, notes, (29) 455. grandicornis, notes, (27) 656. Leucoplasts, primordia of, (39) 332.	of Great Britain, treatise (27) 25.
Leucontera-	Licorice—
coffeella, see Coffee leaf miner. new genus allied to, (40) 757.	Rhizoctonia disease of, (35) 48.
new genus allied to, (40) 757.	wild, geographical distribution, (26) 335.
Leucosin, determination in flour, (27) 498. Leucosphaera bainesii, analyses and digestibility,	Lidopus n.g. and n.sp., description, (38) 560. Liebig, J. von, biographical sketch, (32) 109.
(27) 871; (32) 167.	Life—
Leucotactic processes in the animal body, (33) 476.	insurance for farmers, (27) 794.
Leucoternics—see also Termes.	mechanistic conception, (27) 368.
flavines notes, (35) 54; (38) 157.	mechanistic conception, treatise, (28) 875.
lucifugus, notes, (27) 555. (Reticulitermes) speratus n.sp., description,	nature, origin, and maintenance, (27) 869.
(35) 255.	origin of, (30) 120. zones of New Mexico, (29) 755.
sp., remedies, (36) 355.	zones of Wyoming, (38) 255.
spp., investigations, (32) 755.	Light—see also Sunlight.
Leukemia—	action on living organisms, (36) 224. action on organic compounds, (40) 425, 426.
and pseudoleukemia in fowls, (38) 179. in fowls, studies, (29) 285; (35) 283; (36) 483.	and mass impulse, laws concerning, (35) 431
radium treatment of, effect on metabolism, (40)	as factor in forest growth, (37) 45.
566.	as production factor in forestry, (26) 745.
transmission by bedbugs, (31) 550.	colored, effect on plants, (29) 526.

Light—Continued.	Lightning-Continued.
determination of intensity, (29) 408.	injury to—continued. kale, (38) 149.
effect on— beet seeds, (29) 332.	potatoes and cotton, (33) 345.
beet seeds, (29) 332. carbon dioxid production in plants, (29) 324.	sugar cane, (38) 250. protection against, (29) 88; (33) 321; 134 416;
chlorophyll in algae, (26) 431. chlorophyll production, (28) 731.	(38) 15.
curing of tobacco, (38) 239.	relation to forest fires ,(28) 50; (37) 512.
crop yields, (30) 135. development of sugar beets, (27) 642.	rods, efficacy, (34) 416. rods, notes, (31) 572; (35) 890. stroke, peculiar, (27) 414.
elimination of oxygen, (28) 801.	stroke, peculiar, (27) 414. strokes, data on, (34) 510.
enzyms, (28) 110. etiolated leaves, (33) 826.	Ligniera—
Howering of plants, (27) 827.	development of fungi, (27) 46.
formation and germinability of seeds, (29) 526.	isoetis n.sp., description, (40) 249. n.spp., descriptions, (31) 145.
germination of seeds, (26) 131, 820, 821; (27) 220, 243, 444; (28) 327, 826; (29) 421, 525, 828, 836; (30) 522, 531; (31) 222, 227, 323; (35) 222, 523, 632.	Lignin—
220, 243, 444; (28) 327, 826; (29) 421, 525,	formyl and acetyl groups in, (27) 310. humification, (38) 26.
222, 523, 632.	liquor as binder for roads, (33) 688.
gerimnadon of Sphaeropsidales, (88) 220.	Lignocellulose— and animal assimilation, notes, (29) 65.
germination of tobacco, (38) 127. growth and development of trees, (32) 144.	as affected by ozone, (30) 711.
growth of cucumbers. (30) 142.	Lignoceric acid from rotten oak wood, (36) 50
growth of elms, (28) 344. growth of sugar beets, (28) 825.	Lignum nephriticum mexicanum, source of, 133) 740.
metaholism. (29) 567	Lignum vitae substitutes, (40) 640.
metabolism in White dogs, (31) 563.	Ligula simplicissima affecting waterfowl, (29) 754. Ligustrum vulgare, formation of fatty acids in, 26)
metabolism in white dogs, (31) 563. plant growth, (27) 521; (28) 227; (29) 421, 526; (33) 125; (34) 223; (35) 129. quality of oak wood, (27) 542.	_ 801.
quality of oak wood, (27) 542. sugar formation in beets, (30) 234.	Ligyrus— gibbosus, life history, (37) 567.
toxicity of magnesium nitrate, (38) 224.	rugiceps, see Sugar-cane beetle.
transpiration of leaves, (28) 529; (31) 222.	tumulosus, notes, (36) 753. Lilac—
transpiration of succulent plants, (26) 430. tubercle bacilli, (33) 282.	borer, notes, (28) 153.
	bud sport on. (39) 244.
extinction in atmosphere in region of the ultra- violet, (32) 810.	disease, description and treatment, (29) 249. leaf roll, description, (30) 849.
iactors anecting in greenhouses, (29) 741.	trunk disease, notes, (31) 750.
intensities, measurement, (37) 821. intensity and substratum as related to germina-	Lilacs— as affected by tarring roads, (26) 432.
tion, (33) 826.	culture. (35) 450.
intensity, determination, (26) 532. leaf injury or loss due to, (35) 243.	forcing experiments, (28) 435. forcing with radium, (27) 438.
measurement, (38) 629.	distory and propagation, (35) 345.
measurement, (38) 629. measurements in forests, (30) 45.	Lilies— culture, (35) 450.
measurements in spruce stands, (28) 745. measuring chemical intensity, (28) 37.	Easter, aerial bulbs on stems, (38) 446.
precipitation of from by, (20) 320.	handbook, (26) 47.
precipitation, relation to alkali, (27) 816. rays, effect on protoplasmic streaming, (35) 130.	nectar secretion, (37) 633. treatise, (29) 341.
relation to-	Lilium croceum, carotinoid content, (31) 803
chlorophyll, (31) 127, 222; (33) 29. formation of essential oil, (33) 728.	Lily pollen, longevity, (38) 446. Lily-of-the-valley—
formation of formaldehyde, (29) 132.	culture. (26) 239.
leaf fall, (27) 221.	fertilizer experiments, (26) 239. forcing experiments, (34) 835. fungus disease, (27) 252.
plant growth, (36) 327. plant succession, (29) 218.	fungus disease, (27) 252.
powdery mildows, (30) 747; (33) 244.	nematodes affecting, (31) 56. Limacinula—
powdery mildows, (30) 747; (33) 244. tree growth, (36) 212. requirements of germinating seeds, (33) 826.	caucasica n.sp., description, (36) 245.
requirements of plants, studies, (27) 221., rôle in vegetation, (27) 330.	javanica, notes, (28) 241. Limax—
sensitivity of foliar organs, (37) 222.	 flavus, notes, (40) 56.
sensitivity of foliar organs, (37) 222. sky, polarization, (38) 812. stimuli, transmission in Avena seedlings, (28)	maximus, blology and remedies, (40) 55. Limber neck in fowls, (40) 176.
529.	Lime—see also Liming.
Lighting—	absorbed, determination in soils, (30) 215.
handbook (31) 387. installations for residences, (31) 293.	agricultural— analyses, (39) 329.
plans for farms, (31) 185.	analyses, (39) 329. degree of fineness, (30) 222.
plants, gasoline, notes, (28) 291. systems for country homes, (36) 491.	determining value, (40) 815. air-slaked, for alfalfa, (37) 34.
Lightning—	analyses. (26) 714; (27) 327; (29) 326, 626, 841;
at Mount Wilson observatory, (31) 615. ball, on Puy de Donie, (36) 419.	(29) 110, 520; (31) 122, 424; (32) 520; (33) 820, 821; (34) 426, 726; (35) 128, 031, 728; (36) 123, 821; (37) 219, 428, 818; (38) 521; (40) 517. analyses and use, (28) 728.
conductors, notes, (28) 188.	821; (37) 219, 428, 818; (38) 521; (40) 517.
conductors, studies (28) 788. crushing of copper tube by, (34) 118.	analyses and use, (28) 726. and limestone, analyses, (39) 121.
damage near San Francisco, (29) 121. danger of various trees, (27) 444.	and magnesia requirements of plants, (28) 820.
danger of various trees, (27) 444. discharge, phenomena of, (26) 214.	and marl, comparison, (40) 321.
effect on coconut palms, (35) 250.	application, (36) 123. arsenite, analyses, (26) 65.
nasnes, notes, (32) 210.	as factor in soll fertility, (40) 300. as fertilizer, (32) 126, 127.
injury to— citrus trees, (40) 645.	as fertilizer, (32) 126, 127. as neutralizer in dairy products, (29) 798.
cotton and tomato plants, (33) 321.	as top dressing for pastures, (29) 632.
erbaceous plants, (40) 645.	barrel act, Federal, (37) 723. barrels, standard for, (35) 598.

Lime—Continued.	Lima_Continued
bread, description, (30) 859.	effect on—continued.
burning, (29) 590.	utilization of nitrogen in acid soils, (36) 819.
burnt, fertilizing value, (30) 822; (39) 626. burnt shell, fertilizing value, (33) 131.	vegetation, (26) 325.
burnt, storing, (36) 123.	water-soluble nutrients in soils, (40) 124. yield and composition of oats, (26) 429.
carbonate from causticizing plant, analyses and	yield and nitrogen content of corn. (35) 816.
fertilizing value, (31) 125. caustic, effect on soil fertility, (32) 399.	yield of alfalfa, (31) 228. yield of apples, (38) 244. yield of cotron, (38) 534, 816.
caustic, injury to plant growth, (35) 429. caustic, v. limestone, (30) 822. chemistry of, (28) 223; (30) 822.	yield of cotton, (38) 534, 816.
caustic, v. limestone, (30) 822.	yield of peaches, (38) 242.
chiorinated, as a soil ameliorant, (30) 140, 822.	examination, sampling, and guaranty of, (33)
compounds, analyses, (40), 517. compounds in soils, (26) 322.	feed, analyses, (26) 267; (27) 570. feed, methods of analysis, (29) 311; (31) 806.
cost in Connecticut, (28) 626.	feed, methods of analysis, (29) 311; (31) 806.
cost of, (34) 520.	feeding value, (28) 265. fertilizing value, (28) 630, 725; (27) 32, 429, 436, 638, 639, 831, 835; (28) 123, 124, 520, 820; (30) 25, 519, 526; (31) 424; (33) 227; (34) 129, 132, 520, 621; (35) 22, 323, 535, 629; (36) 122; (37) 214, 626, 733; (38) 132, 77, 204, 405
cost of burning, (40) 816.	638, 639, 831, 835; (28) 123, 124, 520, 820; (30) 25,
crushing on the farm, (36) 821, 822. cyanid as winter spray for fruits, (30) 641.	519, 526; (31) 424; (33) 227; (34) 129, 132, 520, 621; (35) 22, 323, 535, 620; (36) 122; (27) 214, 626
deterioration on keeping, (39) 729.	100, (00) 100, 211, 200, 422.
determination—	for acid soils, (32) 812.
as calcium sulphate, (38) 312. in ash of cereals, (26) 807.	Alabama soils, (27) 24, alfalfa, (34) 138.
cow feces, (30) 12. peat soils, (39) 504.	cotton, (31) 630.
peat solls, (39) 504. plant ashes, (29) 609.	cranberry bogs, (31) 442.
soils, (27) 514; (36) 299, 611.	flax, (32) 136. fowls, (31) 569.
different forms, comparison, (40) 125, 322.	Missouri soils, (26) 434; (33) 212, 213, 214, 215. orchard soils, (36) 724
diseases, notes, (28) 545. displacement by water in leaves, (29) 219.	South Carolina soils, (28) 726.
distribution and loss in soils, (29) 128.	forms for grassland, (40) 824.
distribution in loam soils, (31) 618.	from manufacturing wastes, (38) 22.
effect on— action of phosphates, (35) 326.	grinding law in Maryland, (37) 219. hydrated—
alfalfa, (28) 737, 830.	effect on mortar and concrete, (30) 889; (31)
alkali tolerance of wheat seedlings, (27) 500;	387, 687.
(29) 322. ammonia fixing power of solls, (27) 322.	for concrete roads, (34) 787; (35) 86, 291. fungicidal value, (39) 548.
ammonifying and nitrifying efficiency of	tests and uses, (33) 487.
soils, (32) 818. apples, (29) 438.	importance in plant and animal nutrition, (34)
effect on availability of—	662. in New Zealand soils, (35) 715.
nitrogen (98) 794	phosphatic slag, (26) 34, 205. road concrete, (40) 788. soll as affected by kainit, (33) 326.
phosphates, (26) 427; (28) 223. phosphoric acid, (26) 321. soil organic matter, (31) 124	road concrete, (40) 788.
don organic marrot, (at) 124.	industry in United States, (32) 324, 424.
8011 potasn, (36) 519.	injurious to fish, (29) 821. injurious to small fruits, (29) 40.
effect on— bacterial activity of soils, (34) 623.	insecticidal value, (37) 262.
basic slag. (39) 25.	insecticidal value, (37) 262. inspection in Massachusetts, (27) 327.
cement mortar, (40) 786. clover, (28) 136; (33) 333.	inspection in Onio, (30) 123.
composition of crimson clover, (34) 132.	inspection in Pennsylvania, (37) 220, 818. inspection law in Maryland, (27) 727; (33) 820;
cranberries, (30) 143. finger-and-too disease, (26) 630.	(34) 426.
nnger-and-toe disease, (20) 630.	long-continued use, (34) 128, 132. loss from soils, (20) 620; (27) 321; (29) 211; (35)
grapes, (31) 339; (34) 221. grass lands (30) 133, 134. growth of conifers, (33) 739.	813.
growth of conifers, (33) 739.	motabolism, relation to sexual glands, (28) 370.
humus content of soils, (38) 814. inoculated soil, (39) 519.	mixing with flowers of sulphur, (34) 51.
loss of tilant food from soils, (35) 216, 623.	mud, fertilizing value, (26) 630.
supines, (35) 441.	neutralizer, detection in dairy products, (37) 313.
lupines, (35) 441. maturity of cotton, (31) 10. moor soils, (20) 823; (34) 18. nitrification, (26) 721; (33) 620.	niter, see Calcium nitrate.
nitrification, (26) 721; (33) 620.	nitrate as winter spray for fruits, (30) 641.
nitrification and bacterial content of acid soils, (40) 620.	nitrogen, see Calcium cyanamid. notes, (27) 326; (30) 27.
nitrification in soils, (28) 217; (29) 21, 622,	of feeding stuffs, digestibility, (40) 709.
nitrogen content of soy beans, (28) 721. organic compounds in soils, (26) 322.	of Fiji, analyses, (36) 319. of Thomas slag, efficiency, (29) 823.
peat soils, (30) 120.	olis, expressed and distilled, notes, (80) 116.
phoenhate reversion (39) 521	phosphate, basic, analyses, (39) 222.
plant growth, (32) 622; (36) 212. potash absorption, (39) 728.	potash, fertilizing value, (26) 526. potash, preparation and use, (27) 326.
SOURCE (38) 620 (40) 124.	production and use in United States, (31) 125;
soil aldehydes, (36) 424. soil bacteria, (27) 720. soil fertility, (37) 219.	(36) 123. production in 1913, (31) 726.
soil fertility. (37) 219.	production in 1917, (39) 329; (40) 26.
	production in United States, (28) 223.
soil nitrogen, (28) 320. soils, (27) 218; (28) 820; (29) 210; (30) 127, 220; (31) 220; (35) 429, 727.	products, analyses, (30) 822. products, waste, as fertilizer, (35) 24.
(31) 220; (35) 429, 727.	refuse, analyses, (32) 32.
SOY Deans, (59) /41.	relation to—
strawberries, (34) 150; (38) 639. strength of cament mortars, (36) 286.	cold resistance in plants, (39) 525. decomposition of organic matter in soil, (39)
sulphate of ammonia, (26) 320.	127.
sulphur content of folls, (38) 327.	dry spot of cereals, (29) 46. grape chlorosis, (26) 344
superphosphate, (39) 119. tea seedlings, (33) 842.	magnesia in soils, (36) 519

Lime-Continued.	Limes-Continued.
removal from soils by smelter fumes, (28) 623;	descriptions of species, (27) 745.
(31) 322.	descriptions of species, (27) 745. die-back of, (34) 750; (37) 556. diseases, (34) 545.
requirement of— animals, (29) 65; (31) 864.	diseases and insect pests of, (36) 851.
animals, (29) 65; (31) 864. lupines, (33) 133. man, (30) 367.	diseases in Dominica, (35) 50. diseases in West Indies, (37) 452.
man, (30) 367.	diseases in West Indies, (37) 452.
plants, (27) 824; (28) 820; (39) 514. soils, see Soils, lime requirement.	fertilizer experiments, (32) 46; (34) 438; (36) 141; (37) 648.
resorption from pasteurized milk, (27) 282.	function disposes of (27) 445. (32) 150
resources of Pennsylvania, (34) 133. review of investigations, (27) 128.	gall or knot of, (34) 349.
rock, ground, fertilizing value, (36) 425.	gall or knot of, (34) 349. host plant of fruit fly, (26) 758. industry in West Indies, (34) 438. insects affecting, (30) 752; (31) 58; (33) 154; (39) 556, 882, 864; (40) 453.
salts, effect on solubility of phonolite, (29) 319.	insects affecting, (30) 752; (31) 58; (33) 154; (39)
salts, effect on solubility of phonolite, (29) 319. siliceous, use as fertilizer, (29) 520; (30) 127, 822. slaked, fertilizing value, (26) 817; (34) 725. slaking experiments, (36) 123.	556, 862, 864; (40) 453.
slaking experiments, (36) 123.	juice of— concentration by freezing, (36) 808.
SOII CONCretions due to, (32) 215.	concentration experiments, (30) 117.
solubility in epidote, (40) 812.	concentration experiments, (30) 117. examination, (33) 66. extraction by milling, (30) 117.
sources for plants, (32) 622. sterilization of—	nitiogenous constituents of, (29) 161.
soils by, (29) 730; (30) 399; (31) 519; (32) 32. water by, (29) 814; (34) 286. trass, zeolitic properties, (29) 518.	nitrogenous constituents of, (29) 161. market disease, (39) 553.
water by, (29) 814; (34) 286.	new species from Australia, (34) 235.
trees, see Limes.	root diseases, (26) 245; (28) 149; (31) 55; (36) 846; (37) 454.
use, (32) 624, 723.	silver scurf of, notes, (31) 746.
nea against fingar-and-ton disonsa (26) 342. (20)	twig borer on, (28) 858.
152, (31) 216, 642, (30) 322. Use against mosses. (29) 741.	winter moth on, (34) 752; (35) 54; (36) 549. Limestone—
752; (31) 218, 842; (35) 522. use against mosses, (29) 741. use in agriculture, (26) 34; (28) 223; (32) 218, 424; (33) 26; (34) 27, 420; (35) 220; (36) 429, 723; (37) 218, 219, 629; (39) 724.	action on acid soils, (40) 423. analyses, (26) 127, 715; (27) 327; (28) 626; (30) 822; (31) 122; (32) 424, 520; (33) 723, 820, 821; (35) 430; (38) 27; (38) 628; (39) 430.
(33) 26; (34) 27, 426; (35) 220; (36) 429, 723; (37)	analyses, (26) 127, 715; (27) 327; (28) 626; (30)
use in greenhouses, (33) 42.	(35) 430: (36) 27: (38) 626: (39) 430.
use in Scotland, (31) 424.	analyses and use, (28) 726. composition, (37) 195.
use on-	composition, (37) 195.
acid soils, (36) 514. calcareous sugar-cane soils, (37) 723.	decomposition and utilization, (37) 219. degree of fineness, (39) 25, 220, 222; (40) 423, 720. deposits in South Carolina, (34) 725.
California soils, (30) 627.	deposits in South Carolina, (34) 725.
California soils, (30) 627. Iowa soils, (32) 212; (37) 24. Missouri soils, (37) 428. moor soils, (38) 132.	deposits in Victoria, (28) 223. dolomitte v. high-calcium, (40) 423.
moor soils, (38) 132.	effect of fineness, (34) 133, 821; (37) 428; (38) 21,
pastures, (20) 430.	220.
peac soms, (37) 134, 100.	effect on—
soils rich in magnesia, (35) 324. swamp land. (29) 223.	carbon dioxid content of soil air, (39) 516. clover and sorrel, (35) 529.
swamp land, (29) 223. Tennessee soils, (39) 120.	plant growth, (35) 728.
the farm, (26) 899. use with—	plant growth, (35) 726. soil bacteria, (26) 428; (38) 818. fertilizing value, (26) 817; (28) 737; (38) 124.
barnyard manure, (34) 128.	for Kentucky soils, (35) 122.
blackleaf, (38) 40, 159.	Deaty Dastures, (36) 740.
nitrogenous fertilizers, (35) 124; (39) 623, 624. phosphates, (33) 723.	soil improvement, (35) 727. southern soils, (31) 322.
uses and functions in soils, (40) 517.	from North Island, New Zealand, analyses,
valuation, (38) 804.	(35) 24.
Value in the diet, (29) 664. wash, effect on transpiration of potatoes, (31)	ground— analyses, (31) 424, 823; (34) 521.
825.	analyses and use, (37) 523.
washes, winter application, (34) 253; (37) 759.	availability in relation to fineness, (35) 631.
waste, from acetylene manufacture, (34) 521; (40) 725.	diffusion in soils, (29) 128. effect on composition of barley, (34) 132.
water as an egg preservative, (32) 470.	effect on decomposition of green manure,
Limekin—	(34) 130.
ashes, analyses, (28) 626; (32) 421; (34) 521. refuse, analyses, (38) 626.	fertilizing value, (27) 422; (29) 224; (30) 822; (31) 731; (33) 227; (34) 132, 725; (36) 122.
rotary, description, (37) 24.	for acid silt and clay soils, (37) 420.
Lime-magnesia— fertilizers, tests, (30) 519.	for acid soils, (33) 26, 220. notes, (34) 294, 796.
ratio—	use on soils, (37) 818. home grinding, (39) 120.
as affected by concentration, (28) 730.	home grinding, (39) 120.
effect on nitrogen transformation in soil, (32) 720.	Injurious to citrus fruits, (37) 656; (39) 458. inspection, (40) 622.
effect on plants, (26) 35; (27) 824; (29) 520;	loss from soils, (40) 423.
(30) 27. in grain culture, (30) 519.	magnesian and nonmagnesian, comparison, (32) 518.
in soil amendments, (34) 821.	magnesium v. calcium, (39) 127, 220, 622, 626;
in soil amendments, (34) 821, in soils, (26) 723; (28) 425, 812, 820; (29) 730; (31) 31, 218, 623; (32) 324; (36) 326, review of investigations, (32) 218.	(40) 125.
(31) 31, 218, 623; (32) 324; (36) 326.	marls and shells, analyses, (36) 821. media, growth of sorrel in, (40) 40.
Limes—	methods of analysis, #34) 609.
antiscorbutic value, (40) 565. as source of citric acid and essential oils, (33) 540.	mixing with superphosphate, (34) 26.
as source of citric acid and essential oils, (33) 540.	of Canterbury Province, New Zealand, (36)
black root disease of, (32) 646. budding on sour orange stock, (34) 438.	of New York, (34) 725.
budding on sour orange stock, (34) 438. collar rot of, (37) 838. crown gall affecting, (28) 447.	of Ohio, analyses, (39) 521.
ciown gaii anecting, (28) 447. culture, (36) 445.	OI Queensiand, analyses, (30) 421.
culture, (36) 445. culture in Island of Dominica, (31) 639. culture in West Indies, (29) 745; (33) 540.	of New York, (34) 725. of Ohio, analyses, (39) 521. of Queensland, analyses, (30) 421. resources of Michigan, (37) 428. resources of Missouri, (37) 428. resources of Pansylvania, (38) 22: (40) 818
culture in West Indies, (29) 745; (33) 540.	resources of Pennsylvania, (38) 22; (40) 816.

Limestone—Continued.	Liming—Continued.
tester, description, (34) 806; (36) 614. tests, (37) 428.	experiments, (26) 324; (27) 638, 833; (28) 624; (29) 25, 215; (32) 31, 132, 518, 624; (34) 132, 133, 725; (36) 26, 829; (37) 124; (38) 218; (39) 23, 116,
use with green manures, (39) 622.	725; (36) 26, 829; (37) 124; (38) 218; (39) 23, 116.
Lime-sulphur—	127, 425, 429, 517, 620, 626, 729, 737; (40) 134,
dips, field test for, (32) 612. injury, investigations, (30) 152.	321, 515, 724. experiments—see also special crops.
lead arsenate mixture, studies, (29) 802.	in Argentina, (31) 726.
mixture—	in Argentina, (31) 726. in Assem, (37) 427.
analyses, (26) 715; (27) 344, 441; (29) 42, 235; (31) 49, 142, (32) 169; (33) 47; (31) 436, 639;	on DeKalb soils, (38) 219; (39) 22. on Kentucky soils, (39) 121.
(36) 113: (37) 943: (38) 643: (30) 910	on moor soils, (39) 437; (40) 229,
as ovicide for codling moth, (28) 857. as summer spray, (26) 741; (29) 116; (33) 46.	with greenhouse roses, (30) 344.
causing apple drop, (40) 57.	with greenhouse roses, (30) 344. notes, (27) 24; (28) 223; (29) 623; (31) 125, 322; (33) 98; (34) 294; (38) 124, 520, 819; (39) 721.
causing apple drop, (40) 57. chemistry of, (26) 405; (31) 407; (36) 311. composition, (31) 439; (32) 410; (33) 613; (39)	paper on, (40) 595. Yorkshire soils, (40) 128.
508.	Limnaea truncatula, bionomics, (39) 290.
composition and evaluation, (35) 112.	Limnerium—
concentrate, preparation, (33) 154. dilution table for, (31) 636.	blackburni, notes, (31) 249. (Campoletis) prodeniae n.sp., description, (26)
dry, (39) 349.	352.
mixture, effect on— apples, (28) 47.	hawaiiense, parasitic on beet webworm, (26) 250. n.sp., parasitic on alfalfa caterpillar, (32) 58.
peaches, (29) 640.	spp., notes, (27) 262.
peaches, (29) 640. potatoes, (27) 151, 237; (28) 433.	validum, biology, (27) 359.
solubility of lead arsenate, (33) 710. transpiration of potatoes, (31) 825.	validum, notes, (27) 261. Limnobium spongia, culture for wild ducks, (33)
mixture-	251.
for potatoes, (33) 40. for San José scale, (39) 465.	Limnophora— septemnotata, hibernation, (34) 254.
from industrial wastes, (38) 757.	sp., notes, (27) 560.
from industrial wastes, (38) 757. fungicidal value, (27) 253; (28) 652, (31) 439, 749; (32) 158; (33) 648; (35) 39, 149, 151, 447; (37) 447; (39) 548, 652; (40) 251, 253.	Limoid, fertilizing value, (36) 122.
(37) 447; (39) 548, 652; (40) 251, 253.	Limonia warneckei fruit, analyses, (35) 80%. Limonius—
nome proparation, (20) 020.	californicus, remedies, (36) 758.
injurious effects, (31) 439.	californicus, studies, (30) 758.
injurious ingredients of, (29) 41. insecticidal value, (28) 755; (28) 658; (31)	discoideus, notes, (32) 651. Limothrips denticornis, notes, (28) 452.
409; (32) 846; (37) 53; (40) 162, 163.	Limquats, paper on, (29) 839.
manufacture, effect on eyesight, (30) 16, 618. methods of analysis, (29) 797; (33) 613; (34)	Lina scripta, notes, (27) 755; (30) 154. Linaceae—
806; (35) 207.	cyanophoric glucosids in, (35) 819.
microorganisms in, (31) 205. notes, (27) 757.	enzyms of, (28) 502, 503; (31) 610. Linamarin—
preparation, (26) 539; (28) 841; (40) 801.	as affected by enzymas, (28) 503.
preparation and use, (27) 39, 242; (28) 247, 639; (31) 541, 740; (32) 338; (33) 242; (37)	of Java beans, notes. (28) 502.
143, 544; (38) 844.	Linase, activity of, (28) 502, 503. Lincoln Institute, Missouri, notes, (30) 797.
properties, (28) 639.	Linden-
self-boiled, fungicidal value, (34) 146. sludge, analyses, (32) 520.	American, as a medicinal plant, (30) 145. borer, notes, (30) 655; (35) 54.
sludge, analyses, (32) 520. substitute for, (37) 251.	borer, notes, (30) 655; (35) 54. forcing experiments (28) 435.
tests, (27) 439, 440; (28) 48; (35) 549. use against apple scab, (28) 448; (31) 346.	leaf spot, notes, (35) 251. moth, snow white, notes, (26) 147.
against citrus insects, (31) 549.	seeds, germination, (33) 343.
against gooseberry mildew, (29) 249. against larch moth, (33) 859.	Lindera spp. oils of, (37) 109.
in seed treatment, (40) 346.	Lineshofts, laying out and putting up. (38) 893. Linguatula tomioides, treatment, (29) 676. Linguatulid, new, from Ecundor, (37) 357. Linguatulida from crocodiles, (37) 357.
in seed treatment, (40) 346. of flour paste in, (29) 459.	Linguatulid, new, from Ecuador, (37) 357.
with lead arsenate, (31) 108; (38) 258; (39) 251.	Linimentum camphorae, notes, (31) 676.
with nicotin, (40) 162.	Linkage—
with oil emulsions, (40) 453, 454. v. Bordeaux mixture for apple diseases,	in corn, (39) 331. intensities, calculation, (36) 729.
(26) 48.	Linnaemyia fulvicauda n. sp., description, (31) 456.
v. Bordeaux for potatoes, (35) 831.	Linoleic acid as tetrabromid in cottonseed oil, (32)
valuation, (33) 252. value and use, (39) 348.	313. Linospora sacchari, notes, (37) 553.
Limettin, notes, (30) 116.	Linseed—
Limewater— addition to milk, (36) 559.	cake acidity, (32) 259: (35) 770.
effect on seed germination, (26) 131.	adulteration, detection, (28) 873.
neutralizing cream with, (38) 281, Limex agrestis, notes, (29) 158.	aggiutinating properties, (31) 774.
Liming—see also Lime.	acidity, (32) 259; (35) 770. adulteration, detection, (28) 873. aggiutinating properties, (31) 774. analyses, (20) 165, 266, 267, 363, 809; (27) 469, 570, 670, 775, 872; (28) 464; (30) 169, 268, 467; (31) 168, 864; (36) 571. determination of purity, (26) 714.
Dacteriological effects, (26) 428; (27) 422.	467; (31) 168, 864; (36) 571.
cranberry soils, (40) 214. effect on—	determination of purity, (26) 714. effect on composition of milk fat. (20) 170.
bacteria in peat soils, (38) 420.	for steers. (29) 272.
barren soils, (31) 819. composition of turnips, (29) 418.	formation of hydrocyanic acid in, (28) 377, 378.
crop production, (28) 624.	nutritive value, (28) 673. palatability and nutritive value, (38) 66.
erop production, (28) 624, nitrification, (38) 119.	palatability and nutritive value, (38) 66.
nitrogen content of soil, (38) 213. nitrogen content of soy beans, (34) 632.	residual manurial value, (39) 530. meal-
yield of cotton, (29) 430.	acidity and rancidity. (36) 666.
effects in cylinder experiments, (40) 321,	ammonification in solls, (33) 808.

```
Linseed—Continued. meal—continued.
                                                                                                                                                                                                                                                                                         Lipase-Continued.
                                                                                                                                                                                                                                                                                                             powdered, preparation, (28) 610.
production by microbes, (26) 803.
                                     al—continued.
analyses, (20) 72, 165, 362, 568, 665, 714; (27) 68, 170, 171, 371, 449, 660, 670, 774, 872; (28) 265, 364, 464, 465, 669, 769; (29) 270, 367, 467, 570, 660, 769; (30) 67, 68, 169, 268, 466, 565, 671, 868; (31) 73, 366, 467, 470, 564, 663, 864; (32) 169, 259, 568, 667, 862; (33) 71, 170, 371, 568, 663, 579, 761, 870; (34) 72, 169, 263, 371, 467, 566, 665; (35) 374, 562, 867; (36) 65, 167, 268, 667, 765; (37) 268, 471, 767; (38) 67, 368, 369, 376, 665; (39) 70, 167, 270, 370, 773; (40) 72, 470, 571, 665, ash analyses, (29) 861, availability of nitrogen in, (26) 124; (27) 723, digestibility, (32) 69, al, effect on—
                                                                                                                                                                                                                                                                                                              studies, (28) 610.
                                                                                                                                                                                                                                                                                         Lipeurus-
                                                                                                                                                                                                                                                                                                             dovei n.n. (L. lineatus), (39) 364.
heterographus, notes, (35) 183.
                                                                                                                                                                                                                                                                                                             importance in diet during growth, (29) 664.
                                                                                                                                                                                                                                                                                         monograph, (39) 202.
of egg yolk, physiological properties, (33) 166.
rôle in nutrition, (33) 663.
Lipochrome, of blood serum of cows, (31) 274.
Lipoid metabolism in developing chicks, (28) 876.
Lipoidase, properties, (38) 583.
                                                                                                                                                                                                                                                                                          Lipoids-
                                                                                                                                                                                                                                                                                                             absorption in the intestine, (33) 168. anaphylaxis production by, (31) 773. antigenic properties, (22) 880, 885, (29) 782. as inhibitors of anaphylactic shock, (32) 678. chemical and biochemical properties, (31) 577. chemistry and biochemistry of, treatise, (26)
                      meal, effect on-
                                        st, enect of breeding power of heifers, (36) 773. fetal development, (33) 266. milk and butter, (34) 471, 570. milk production, (36) 872; (40) 572.
                    meal-
 evolution of hydrocyanic acid from, (27)
276.
evolution of hydrocyanic acid from, (27)
276.
feeding value, (39) 775, 784; (40) 278, 874.
fertilizing value, (30) 835; (40) 127.
for corn-fed pigs, (38) 474.
for laying hens, (39) 576.
grotein for milk production, (36) 691.
protein for milk production, (36) 671.
protein, hydrolysis, (26) 201.
sugar content, (37) 208.
mucliage, studies, (32) 802.
oil adulteration, detection, (30) 617.
analyses, (28) 493; (30) 616.
chemistry of, (38) 411.
detection, (28) 412; (29) 613.
industry, statistics, (39) 9.
oxygen absorption of, (30) 616.
physical constants, (35) 312.
production in United States, (40) 614.
raw, specifications, (32) 410.
refractive index, (27) 614.
role in glycogen formation, (31) 763.
studies, (39) 205.
test for galatinous matter in, (37) 13.
toxic effect on rats, (36) 61.
varieties, (30) 435.
Lint, determination in cottonseed meal, (34) 13.
Lintner's scale, notes, (29) 251.
Linum usitatissimum, breeding for fiber, (30) 637.
Linyphis phrygiana, notes, (29) 256.
Lindontomerus—
Lesp., descriptions, (38) 165.
perplexus p. and n.sp., description, (35) 262.
                                         evolution of hydrocyanic acid from, (27)
                                                                                                                                                                                                                                                                                                           802.
distribution in human blood, (36) 365.
effect on nutrition and growth, (33), 462.
extraction from feeding stuffs, (31) 861.
immunizing with, (20) 779.
in egg yolk, (26) 67, 503.
foods, destruction by heat, (29) 365.
green plastids, (31) 427.
immunity, (32) 78.
Nicotians, (38) 329.
necessity for in dict, (31) 762.
of anemic dogs, (38) 583.
relation to—
                                                                                                                                                                                                                                                                                                                       802.
                                                                                                                                                                                                                                                                                         of anomic dogs, (35) 260.
relation to—
electrical potential in plant organs, (30) 630
immune reactions, (35) 881.
plant respiration, (27) 132.
vitamins. (32) 561.
rôle in nutrition, (26) 766.
Lipolexis rapae, notes, (28) 162.
Lipolytic actions, studies, (38) 709.
Liponysus—
                                                                                                                                                                                                                                                                                          Liponyssus-
                                                                                                                                                                                                                                                                                          bursa, notes, (37) 360.
n.spp., descriptions, (34) 66.
Lipovaccines, investigations, (38) 584, 782.
Lippia wrighti, notes, (28) 441.
Liquid volumes, standardization, (35) 413.
                                                                                                                                                                                                                                                                                          Liquids
                                                                                                                                                                                                                                                                                                             unds—and plant, drying, (28) 610. apparatus for extraction, (26) 26. calculation of volume, (36) 299. determination of reaction in, (34) 712. evaporation in vacuum, (28) 893. solubility in liquids, (38) 616. surface condition, (34) 414. turbid, flocculation by salts, (32) 121.
  n.spp., descriptions, (38) 165.
perplexus n.g. and n.sp., description, (35) 262.
spp., studies, (40) 862.
Liogma nodicornis, biological and systematic studies, (32) 153.
Liothrips—
glyninicals n.c.
                                                                                                                                                                                                                                                                                          Liquor-
                                                                                                                                                                                                                                                                                                              cresoli saponatus, tests, (31) 383.
from fermented rice. (29) 118.
                                                                                                                                                                                                                                                                                          Liquors
  Liothrips—
glycinicola n.sp., description, (26) 553.
montanus n.sp., description, (30) 250.
montanus, notes, (31) 551.
North American species, (37) 561.
varicornis n.sp., description, (27) 454.
Liotropis contaminatus, notes, (28) 451.
Lip and leg ulceration in sheep, (31) 880; (33) 774.
Lip sores, spreading, (40) 283.
Liparis dispar, see Cipsy moth.
Liparis monacha, see Lymantria monacha.
Lipase—
action. specificity. (20) 262.
                                                                                                                                                                                                                                                                                                               definitions, (31) 114.
                                                                                                                                                                                                                                                                                         distilled, examination, (30) 258.
methods of analysis, (31) 114.
sulphite-cellulose, utilization, (28) 222; (29) 129
Lissopimpla semipunctata n.sp., description, (28)
                                                                                                                                                                                                                                                                                      162.
Lissorhoptrus simplex—
investigations, (27) 562.
notes, (29) 259.
remedies, (33) 257; (37) 568.
Lister Institute of Preventive Medicine, papers, (31) 277; (32) 874.
Listrophorus gibbus, notes, (30) 655.
Litsrophorus gibbus, notes, (35) 80.
Lita solanella—
notes, (30) 753.
studies, (40) 854.
Litchi—
                                                                                                                                                                                                                                                                                                     162
                       pase—
action, specificity, (30) 806.
agglutinating properties, (31) 773.
and fat of animal tissues, correlation, (30) 204.
castor bean, studies, (27) 712.
heat-tolerating, notes, (28) 608.
hydrolysis of chicken fat by, (28) 63.
in alfalfa, (32) 411.
castor beans, (32) 803.
Chelidonium seeds, (32) 19.
egrs. (28) 64.
                                                                                                                                                                                                                                                                                                              chi—
culture and use, (38) 43.
culture experiments, (37) 142.
erinose, treatment, (37) 142.
insects affecting, (38) 44.
nut, composition, (39) 203.
nut, food value, (40) 173.
seeds, transportation, (35) 538.
htm—
                          eggs, (28) 64.
human duodenal contents, (31) 761.
latex of Euphorbia characias, (31) 410.
soy beans, (34) 111.
tobacco plant, (31) 204.
pahcreatic, as affected by inorganic salts, (31)
                                                                                                                                                                                                                                                                                            Lithium—bromid, effect on powdery mildew infection, (33) 244. Aprillating value. (30) 627.
```

LuhiunContinued.	.ivestock-Continued.
compounds as plant tood, (35) 728.	conditions and losses in Selby smoke zone, (34)
leter mination, (27) 609.	278.
determination in water, (37) 506.	conditions in Imposiol Valley (20) 400
in plants, (38) 409.	conditions in Imperial Valley, (26) 482.
	cost of gams on pasture, (29) 170.
in soils, (31) 720; (34) 323.	cost of raising, (33) 293; (37) 790; (38) 894.
nitrate, penetration of trees by, (37) 327.	cost of gains on pasture, (29) 170. cost of raising, (33) 293; (37) 790; (38) 894. definition of "breed." (34) 466.
phosphate, toxicity toward tomatoes, (31) 218.	dipping for ticks, (32) 81.
salts, effect on -	disease in Patagonia, (30) 783.
disease susceptibility in cereals, (29) 844.	diseases—
plants, (28) 526.	and nests in Wales (30) 283
secharification of starch, (26) 309	and pests in Wales, (39) 283. control in Georgia, (32) 876.
	control in Georgia, (52) 676.
wheat, (29) 520.	control in Hawaii, (34) 477.
salts, toxicity toward plants, (36) 129; (38) 629.	in Canada, (38) 581. England, (38) 282.
separation from other alkali metals, (36) 505.	England, (38) 282.
sulphate, effect on olives, (26) 825.	Guam, (35) 877.
sulphate, effect on plants, (28) 527.	Hawaii. (31) 177.
Lithocolletes—	Guam, (35) 877. Hawali, (31) 177. Imperial Valley, (34) 274. Minnesota, (38) 281.
geminatella, studies, (35) 359.	Minnesota (38) 281
spp., notes, (35) 356.	Pennsylvania, (27) 475.
Lithocolletis—	notes (24) 202
	notes, (34) 383.
color pattern in, (36) 656.	state control, (34) 184.
crataegella, notes, (32) 651; (36) 656.	treatise, (38) 781.
ganltheriella, notes, (34) 651.	dissemination of weeds by, (26) 839.
Lithohypoderma, new fossil genus, (3d) 553.	East Auglian breeds, notes, (26) 165.
Lithospermum fruticosum, analyses, (33) 466.	economics, treatise, (39) 90.
Litinus—	elementary course in, (27) 96.
as indicator for tubercle bacilli, (40) 584.	English breeds, importation into British East
for hacteriological work, (35) 133.	Africa, (26) 267.
preparation, (38) 9.	exhibitions in Argentina, (26) 573.
substitute for milk cultures, (37) 686.	exhibits, health certificates for, (38) 179.
Literactive (Constoners) truncatelline manneitlem	
Litomastix (Copidosoma) truncatellus, parasitism,	export and import, inspection and quarantine
(31) 458.	(29) 778.
Luter, analyses, (29) 119.	export trade of Great Britain, (26) 473.
Litter, effect on manure, (26) 424; (36) 23.	exports and imports in Ireland, (38) 180. fairs and exhibitions in United States, (28) 796
Little leaf, studies, (34) 248.	fairs and exhibitions in United States, (28) 796
Live oak, Christmas berry tingis affecting, (26) 148.	farms, managing and equipping, (27) 871.
Liver—	feeding, (31) 494; (32) 68; (37) 471; (40) 71.
anaphylactic reaction, (38) 182.	feeding in South Africa (26) 666
catalase content as affected by emotions, (38)	feeding principles of (28) 631
	fooding forthook (28) 507
167.	farms, managing and equipping, (27) 871. feeding, (31) 494; (32) 68; (37) 471; (40) 71. feeding, (31) 494; (32) 68; (37) 471; (40) 71. feeding in South Africa, (28) 666. feeding, principles of, (28) 631. feeding, teatbook, (36) 597. feeding, treatise, (28) 465, 898; (31) 563; (33) 684 696; (36) 666; (37) 94; (38) 268. fertility as affected by feeding stuffs, (29) 170. fish meal for, (31) 563.
distomasis in Japan, (34) 858.	408. (28) 688. (27) 04. (20) 060, (31) 303, (33) 502
fluke disease, treatment, (36) 83. flukes, notes, (35) 877.	fortility on a firsted by fooding straffs (00) 170
figures, Hotes, (80) 877.	termity as anected by feeding stuns, (29) 170.
function in metabolism, (26) 565.	
function of, (26) 364.	function in agriculture, (34) 305; (37) 572.
glycogen content, (31) 465. glycogen content during fasting, (30) 867.	German breeds, treatise, (33) 668.
glycogen content during fasting, (30) 867.	great central markets, (40) 488.
lipoids, chemistry of, (31) 577.	hygiene and diseases, treatise, (33) 876.
lipoids, chemistry of, (31) 577. meal for cows, (36) 273. of bovines, studies, (29) 377.	great central markets, (40) 488. hygiene and diseases, treatise, (33) 876. immunization in India, (35) 784.
of hovings, studies, (29) 377.	improvement, (37) 768.
oxen, chemical and physiological examina-	improvement, (37) 768.
tion, (26) 873.	
nigs anotomy and histology (28) 783	community organization for, (35) 89. in Denmark, (27) 590. in Wales, (36) 495; (37) 294. of breeds, (27) 173. syndicates in France, (27) 691.
pigs, anatomy and histology, (28) 783. sulphur, fungicidal value, (38) 51; (37) 48.	in Denmer's (27) 500
arrights purchase and true (21) 246	in Wolon (26) 405: (27) 204
sulphur, purchase and use, (31) 846.	111 17 8105, (30) 280, (31) 282.
prevention of beriberi by, (31) 762.	OL DIEBUS, (21) 110.
protein storage in, (31) 464.	syndicates in France, (21) 691.
rôle in—	III Canada III 1910, (40) 192.
metabolism of creatin and creatinin, (32)	German colonies, (38) 192.
764.	Germany, (33) 296, 668. health and disease, treatise, (32) 874.
metabolism of fats, (31) 69.	health and disease, treatise, (32) 874.
production of complement. (36) 381.	New Zealand, (31) 191, 467; (37) 791.
rot of sheep, studies, (39) 290.	Sweden, (37) 191.
rot of sheep, studies, (39) 290. storage of purin in, (30) 261.	United States, (34) 393.
tissue, rôle in anaphylactic reaction, (38) 79.	industry in—
Liverworts of Malay region, (35) 431.	Alberta, (29) 467.
Livestock—see also Animals, Cattle, Sheep, etc.	Argentine (26) 573: (32) 364: (33) 71, 268
the of the feet has molder form (97) 156	Assotratio (27) 505: (28) 265: (31) 266
as affected by moldy corn, (27) 156.	Argentina, (26) 573; (32) 364; (33) 71, 268. Australla, (27) 595; (28) 365; (31) 266. Bavarian Alps, (40) 891. Belgian Kongo, (28) 365.
associations in various countries, (26) 873.	Deleien Manne (OD) 905
bedding materials, (39) 621.	Delgium Aougo, (26) 500.
hread history, teaching, (38) 897.	Belgium, (26) 874. Bosnia, (29) 368.
breeding-	BOSIIIS, (29) 308.
and management, (27) 469.	Canada, (28) 365; (39) 268. Chile, (32) 689.
associations, (38) 293.	Cnile, (32) 689.
in Belgium, (32) 668.	Dekkan, (27) 489.
Brazil, (34) 371.	Department of Junin. (27) 469.
British East Africa, (37) 734.	Dutch East Indies, (26) 768; (29) 368.
Germany, (31) 70.	Dutch East Indies, (26) 768; (29) 368. Great Britain, (29) 169; (33) 789. Honduras, (27) 171.
New Jersey, (27) 371.	Honduras, (27) 171.
neglected factors in, (37) 365.	Hungary, treatise, (27) 672. Italy, (38) 168. Jeverland, (28) 465. Manitoba, (27) 594. Value (18) 469.
tractice (20) 69	Italy, (38) 168.
treatise, (29) 68.	Javarland (28) 465
breeds of, textbook, (34) 866.	Manitoha (27) KOA
British export trade in, (28) 769. care and management, (33) 495.	Mathona, (41) 00%
care and management, (33) 495.	Natherlands, (28) 669. New Zealand, (33) 268. Philippines, (26) 361. Queensland, (27) 470; (30) 791; (33) 71. Sao Paulo, (27) 870; (29) 368. Scalatchewar, (27) 480.
cars and yards, disinfection, (38) 179.	The W Zeniana, (00) 200.
classification at county fairs, (37) 598.	PHHIDDINGS, (20) 501.
combining rations for, (29) 170.	Queensiand, (21) 470; (30) 791; (33) 71.
commissioner of Canada, report, (26) 881; (31)	500 Paulo, (27) 870; (29) 368.
79.	Saskatchewan, (27) 594.

Livestock—Continued.	Livestock—Continued.
industry in—continued. Savony, (32) (89.	receipts and shipments at—continued. Union Stock Yards, Chicago, (31) 74; (38)
southern India, (27) 871.	57t.
Switzerland, (37) 769.	registration, (27) 299.
Tunis, (31) 492. United States, (27) 571; (31) 73, 167. Washington, (28) 265.	Registry Board, report, (27) 72.
United States, (27) 571; (31) 73, 167.	relation to—
industry, licenses and regulations, (39) 676.	farm receipts, (27) 669, soil fertility, (37) 215, soil maintenance, (36) 197, remody law in Kansas, (31) 169,
industry, review, (27) 171.	soil maintenance, (36) 197.
industry, review, (27) 171, insects affecting, (27) 356; (29) 454; (34) 651;	remody law in Kansas, (31) 169,
(37) 109; (38) 159.	Tole of nera book in improving, (21) 6/2
inspection for interstate movement, (36) 675	sanitary—
Insurance—	boards, organization, (38) 179. control work in Canada, (31) 184. control work in Tennessee, (30) 78.
against fire, (37) 888. cooperative, in England, (27) 676.	control work in Canada, (31) 131.
in Denmark, (27) 794.	law in Alabama, (30) 778; (36) 879.
England and Wales, (27) 795; (31) 95.	laws in Arkansas, (36) 675.
France, (26) 388.	officers, list, (29) 770.
New England, (36) 192.	law in Alabama, (30) 778; (38) 879. laws in Arkansas, (30) 675. officers, list, (20) 770. regulations in Montana, (38) 282.
interstate shipment, (36) 477; (38) 179.	regulations in New Mexico, (38) 282. sanitation—
contest for boys, (27) 395, 396.	papers on, (38) 179.
teaching, (38) 897.	problem in, (34) 274.
teaching, (38) 897. textbook, (32) 668. treatise, (33) 71, 870; (37) 94.	problem in, (34) 274. shipping associations—
treatiso, (33) 71, 870; (37) 94.	accounting system for, (35) 893.
labor requirements, (36) 790. laws in Wyoming, (38) 581. local markets for, (39) 896.	cooperative, (35) 168, 673.
local markets for. (29) 896.	in Minnesota, (32) 688, 895; (35) 296. in Wisconsin, (28) 593. statistics, (29) 770; (40) 594.
losses in United States, (35) 192.	statistics, (29) 770; (40) 594.
losses in United States, (35) 192. maintenance rations, (26) 664.	statistics—
management in the West, (40) 176.	at United States markets, (34) 291
manual, (26) 165.	in, Argentina, (39) 796. Bern, (27) 470. Bertieb, France (28) 295
market, statistics in 1912, (28) 769. marketing, (34) 305, 399; (36) 166, 392, 593.	British Empire (28) 205
marketing-	British Empire. (28) 295. Camada, (26) 896. Costa Rica, (33) 395. Cuba, (37) 892. Fayer (30) 777
cooperatively, (28) 894; (29) 789; (38) 494. cooperative, advantages of, (33) 491.	Costa Rica, (33) 395.
cooperative, advantages of, (33) 491.	Cuba, (37) 892.
in Australia, (27) 691.	Egypt, (36) 777.
Pacific coast region, (26) 293.	Egypt, (36) 777. Egypt, Spain, Morocco, and Tunis, (37)
the South, (37) 390. United States, (35) 303; (36) 161. markets of London, (27) 69.	England, (36) 393.
markets of London, (27) 69.	England, (36) 393. England and Wales, (35) 590; (38) 495;
metabolism experiments, (35) 271. mineral requirements. (27) 68; (31) 864.	(40) 594.
mineral requirements. (27) 68; (31) 864.	Finland, (30) 692; (35) 497; (36) 895; (40)
native, of Guam, (30) 68. on Belle Fourche project, (38) 67.	392. foreign countries, (34) 490 France, (34) 691; (37) 891. Germany, (30) 494. India, (34) 595; (40) 793. Indo China, (38) 574. Ireland, (33) 894; (31) 291. Latin America, (27) 469.
	France. (34) 691; (37) 891.
on Yuma reclamation project, (29) 226.	Germany, (30) 494.
on cur-over land of south, (69) 205. on Yuma realamation project, (20) 226. parasites, control, (34) 306; (39) 886. parasites in West Indies, (31) 779. parasites of, (38) 481. plants poisonous to, (36) 383; (37) 688. poisoning—see also Cattle and Forage poisoning, Plants, poisonous, and specific plants. by cotton seed, (20) 780. [Invend screenings. (28) 86.	India, (34) 595; (40) 793.
parasites in West Indies, (31) 779.	Indo Unina, (38) 574.
parasites (1, (30) 401.	Latin America (27) 469
noisoning—see also Cattle and Forage poisoning.	Morocco. (40) 194.
Plants, poisonous, and specific plants.	Morocco, (40) 194. Nebraska, (40) 194. New Zealand, (38) 574; (40) 195
by cotton seed, (26) 780.	New Zealand, (38) 574; (40) 195
flaxseed screenings, (26) 86. larkspur, (35) 779. lupines. (36) 276.	Prussia, (27) 181.
luninos (36) 276	Scotland, (33) 894; (37) 392; (40) 194.
District of Sorgituin group, (34) 311.	South Australia, (27) 693.
sugar beets, (34) 80. notes, (29) 280.	Sweden, (37) 93, 492.
notes, (29) 280.	Tunis, (34) 595.
prices—	Union of South Africa, (30) 491; (33) 893
and movement in 1916, (37) 492. in England and Wales, (31) 790.	New Zealand, (38) 574; (40) 195 Prussia, (27) 181. Rhodesia, (37) 492. Scotland, (33) 894; (37) 392; (10) 194. South Australia, (27) 633. Sweden, (37) 93, 492. Tunis, (34) 595. Uniton of South Africa, (30) 494; (33) 895 United Kingdom, (31) 391. United States, (20) 768; (27) 593; (30) 691; (31) 600; (35) 667, 772. tonies, inspection and analyses. (30) 70.
India, (34) 195.	691; (31) 690; (35) 067, 772.
India, (34) 195. Ireland, (31) 96 (32) 594; (33) 192; (37) 291.	
Scotland, (35) 497.	transportation law, (38) 470. transportation, sanitation in, (36) 675.
production—	types and market classes, textbook, (37) 191
and discuss, book on, (39) 263. and marketing in United States, (38) 595. for 1919, (40) 276, 487.	v. grain forming. (39) 531.
for 1919, (40) 276, 487.	v. grain farming, (39) 531. watering devices for, (27) 488; (30) 389; (33) 188
in dide-grass region of Kentucky, (61) 411.	watering places, developing, (29) 570.
Maine, (39) 880.	watering places on western grazing lands, (31)
Pennsylvania, (39) 268. Tennessee, (35) 795.	366. Livia maculipennis, notes, (35) 256.
western range States, (35) 667.	Living—
labor saving in, (40) 73. 1918 program, (38) 896.	conditions in Alabama, (37) 91.
1918 program, (38) 896.	cost of, see Cost of living.
on Indian reservations, (35) 374,	substance, composition, (28) 201.
relation to tenancy, (26) 687. review of literature, (26) 686. treatise, (34) 585; (40) 176, 177.	substances, renewal, (26) 763. Lixus—
treatise, (34) 565; (40) 176, 177.	concavus, biology, (29) 56.
under dry farming, (28) 828.	junci, notes and remedies, (29) 562.
products, cost data, (37) 790.	scabricollis, notes, (36) 355.
purebred, importation into Guam, (30) 69.	spp., notes, (30) 357. Lizards
rations for. (31) 663; (38) 572.	relation to verruga, (31) 847.
under dry farming, (28) 828. products, cost data, (37) 790. purebred, importation into Guam, (30) 69. purebred, notes, (31) 767. rations for, (31) 663; (38) 572. receipts and shipments at— Kanad City. (30) 288	Texas horned, economic status, (33) 745.
woman Citre (20) 989	wall as host of Dhiahatamire ministra (20) 150

Llama, value as domestic animals, (27) 470	Locusts-Continued.
Loads for highway bridges, (36) 489.	in Philippines, (26) 347, 857.
Loads, pulling experiments, (36) 388.	in Philippines, (26) 347, 857. injurious to alfalfa, (32) 553.
Loam, effect on reat soils, (30) 119.	injurious to potatoes, (37) 157.
Lohoptera extranea, parasite of, (40) 854.	invesion in Costa Rica, (35) 55.
Lobster—	invasions in Egypt, (57) 561.
creatin and creatinin content, (31) 760	invasions in Jerusalem, (34) 854.
refuse, analyses, (32) 424.	invasions in Jerusalem, (34) 854. Jola or Deccan, notes, (26) 347.
Loco weed—	lessor migratory, studies, (36) 153. lessons on, (28) 598. life history and remedies, (37) 661; (38) 54.
description, (32) 474; (39) 386 disease in sheep, (31) 781; (32) 276.	lessons on, (28) 598.
disease in sheep, (31) 781; (32) 276.	life history and remedies, (37) 661; (38) 54.
	migratory—
histolovy, (38) 481. notes, (32) 778.	in Philippines, (28) 753; (31) 549.
notes, (32) 778.	ın South America, (28) 753; (34) 854.
stock poisoning by, (30) 787.	notes, (31) 752; (37) 561.
Locomobile, gas, description, (27) 791.	notes, (26) 59; (27) 53; 757, (28) 654; (29) 252, 453.
Locust tree—	652, 757; (31) 98; (32) 651; (36) 153; (38) 653.
bacterial disease, notes, (30) 54	Interatory— In Philippines, (28) 753; (31) 549. In South America, (28) 753; (34) 854. In South America, (28) 753; (34) 854. Inotes, (31) 752; (37) 561. Inotes, (26) 89; (27) 53; 757, (28) 654; (29) 252, 453. 652, 757; (31) 98; (32) 651; (30) 153; (38) 653. Inotes in United States, (35) 156. Durasite of, (32) 661.
bark, poisoning of noises by, (an) 100.	outbreaks in United States, (35) 156.
beau meur, analyses, (87) 878.	
boner motor (98) 950: (99) 150: (99) 959: (97) 566	parasite of, adult habits, (40) 459.
borer remodice (24) 757	periodical, see Cicada, periodical.
borer studies (23) 255 559	Philippine, propagation and distribution, (30)
bark, poisoning of hoises by, (30) 785. bean meal, analyses, (87) 878. borer, black, notes, (40) 161. borer, notes, (20) 856; (28) 156; (33) 253; (37) 566. borer, remedies, (34) 757. botor, studies, (33) 355, 552. hispa, notes, (29) 353.	5 ki.
last miner notes (28) 157: (30) 657	poison for, device for sowing, (38) 558.
leaf miner, notes, (28) 157; (30) 657. seeds, germination tests, (27) 444.	17 year, see Cicada, periodical.
Locust trees—	treatise, (38) 359.
as affected by tarring roads, (26) 432.	Lodgepole pine beetle, notes, (32) 552. Loemopsylla cheopis, infectiousness, (40) 161.
black—	Log rules, limitations and corrections, (34) 538.
culture in Indiana, (33) 50.	Log slides, velocity determinations, (32) 48.
destruction, (26) 334.	Logan River basin, profile survey, (36) 583.
destruction, (26) 334. destruction by Chinese cotton scale, (26)	Loganberries—
556.	composition (30) 0 411
insects affecting, (35) 355.	(1) tire. (29) 148: (31) 441: (38) 643: (40) 150.
seeds of as food, (40) 658.	culture experiments. (28) 436
 carpenter worm affecting, (31) 550. 	picking and packing, (33) 47.
insects affecting, (35) 552.	training, (33) 47: (40) 743.
yellow, description and use, (35) 451.	composition, (39) 9, 411. culture, (29) 148; (31) 441; (38) 643; (40) 150. culture experiments, (28) 436. picking and packing, (33) 47. training, (33) 47; (40) 748. varieties in Oklahoma, (27) 241.
Locusts—see also Grasshoppers.	
analyses, (34) 624.	beetle, notes, (40) 265.
analyses and feeding value, (38) 72.	beetle, notes, (40) 265. by-products, preparation and use, (31) 414. diseases, notes, (27) 448.
at sea, (37) 115.	diseases, notes, (27) 448.
bacterial epizootic of, (26) 246, 553.	
brown, life history and habits, (30) 754.	hybrid origin, (36) 141.
catching machine for, (37) 257.	juice, analyses, (31) 414.
coccobacillus of, (31) 752, 753. control, (28) 60; (29) 793; (36) 252; (37) 158, 561;	juice, manufacture, (39) 412.
	oil, juice, and pulp, composition, (38) 203.
(39) 159, 530, 650, 863.	hybrid origin, (36) 141. juice, analyses, (31) 414. juice, manufacture, (39) 412. oil, juice, and pulp, composition, (38) 203. pollen, germination, (35) 731. wilt, description, (34) 55. Logarithmic curves, fitting by method of moments, (20) 736.
control—	Wilt, description, (34) 55.
by bacteria, (33) 36, 255, 853. by parasites, (37) 357, 760; (38) 258, 358; (40)	Logarithmic curves, name by method of moments,
164.	(02) 100.
in Algeria (36) 356, 755; (37) 461	Loggerhead sponge, fertilizer from, (31) 622.
in Algeria, (36) 356, 755; (37) 461. Algeria, Tunis, and Morocco, (35) 356.	Logging— cost accounting system, (32) 748.
Anglo-Egyptian Sudan, (30) 546. Argentina, (26) 247, 452; (27) 357; (37) 849. Austria, (26) 247. British Columbia, (35) 253.	terms, (30) 44.
Argenting, (26) 247, 452; (27) 357; (37) 849.	textbook, (30) 44.
Austria. (26) 247.	Logs, errors in caliper measurements, (26) 141.
British Columbia, (35) 253.	Logs, transportation in French colonies, (30) 447.
C811303, 155) 50, 550; 150) 450	Logwood as factor in dyestuff situation, (40) 16.
Colorado, (38) 258. Italy, (35) 255.	I.olium—
Italy, (35) 255.	fungi affecting, (26) 515.
Kansas, (31) 249, 351; (37) 560.	multiflorum, analyses and culture, (31) 434.
Kansas, (31) 249, 351; (37) 560. Malay, (34) 254; (37) 849. Minnesota, (28) 59, 60, 653. Morocco, (36) 557; (38) 461. New Hampshire, (38) 155. New Mexico, (36) 55. New York, (36) 856. Philippines, (30) 142; (38) 459. South Africa. (33) 856: (35) 356: (36) 457.	perenne, dissemination by insects, (27) 47.
Minnesota, (28) 59, 60, 653.	spp., germination as affected by light, (30) 531.
Morocco, (30) 857; (38) 461.	spp., seeding on ranges, (30) 35.
New Hampshire, (38) 155.	teniulentuin—
New Mexico, (36) 55.	as an adulterant of flour, (26) 710. ceptochocton, culture in Uruguay, (26) 132.
NGW YORK, (30) 830.	ceptochocton, culture in Uruguay, (26) 132.
Finispines, (30) 142, (30) 405.	symbiosis with fungi, (27) 751.
052	Lonchnea—
653. South Dekote (37) 561	acnea, notes, (34) 850. chalybea, notes, (28) 854. splendida, notes, (27) 54.
Stayronol (30) 754	enlandide notes (27) 54
South Dakota, (37) 561. Stavropol, (30) 754. Trinidad, (35) 356, 463. Turkestan, (31) 849. Uruguas, (37) 55, 849.	Lonchocarpus spp. in Central America and Mexico,
Turkestan, (31) 849.	(37) 819.
Uruguay, (37) 55, 849,	Long scale, notes, (32) 56.
various countries, (37) 848.	Longavinbo, notes, (28) 542.
various countries, (37) 848. Wisconsin, (38) 155. destruction, (27) 358.	Longicorn beetles in Australia, (36) 360.
destruction, (27) 358.	Longicorn larvae, remedies, (32) 246.
destruction—	Longulus scale, notes, (28) 452.
by birds, (28) 351; (31) 57.	Longulus scale, notes, (28) 452. Loossia n.g. and n.spp., descriptions, (33) 773.
by Coccobacillus acridiorum, (33) 151.	Lophidium chamaeropis n.sp., description, (32) 842.
hy notural enamies (20) 354	Lophionema chodati n.sp., description, (38) 448.
in Argentina, (27) 454.	Lophodermium—
in Argentins, (27) 454. enemies of, (28) 653; (32) 548. fertilizing value, (34) 854. fungus disease affecting, (27) 357. in Colorado (29) (20)	brachysporum, notes, (26) 852, 853; (29) 851;
ierunzing value, (34) 854.	(30) 448.
jungus disease anecung, (27) 357.	chamaecyparisii n.sp., description, (27) 149. generic position, (28) 852.
m Colorado, (25) 60.	generic position, (20) 50%.
in Nebraska, (26) 655.	macrosporum, notes, (26) 451; (37) 550.

Lophode miam—Continued.	Lues, serodugnosis, (31) 877.
netvisequain, investigations, (27) 551; (32) 752. nervisequain, notes, (27) 250, 450	Luizet stones, hydrocyanic acid content, (27) 12.
nerviseguum, notes, (27) 250, 450	Lulu kernels and oil, analyses, (37) 14.
pinastri, notes, (28) 652, (30) 152, 515; (32) 845;	Lumbang oil—
(37) 458, 550.	analyses, (29) 811.
pinastri, studies, (26) 651.	notes, (30) 616.
Lopholatilus charnacleonticeps, notes, (34) 557.	Lumber -see also Timber and Wood.
Lophophora williamsii, studies, (34) 336	accounting, notes, (34) 896.
Lophortyx californica—	and its uses, treatise, (31) 840
notes, (27) 355.	camps, conservation of life in, (31) 340.
vallicola, eating of alfalfa weevil by, (31) 655.	cost of logging and manufacturing, (35) 452.
Lophyrus—see also Neodiprion.	deterioration, (33) 243. drying, (28) 239; (36) 809.
abbotii, notes, (26) 147. abietis, notes, (38) 257.	effect on lasting quality of paint, (33) 90.
Dercyniae, noies, (30) 249.	estimator, book, (29) 240.
indicus n.sp., description, (31) 62. pini, notes, (31) 554. simile, see Diprion simile.	industry—
pini, notes, (31) 554.	by-products in United States, (35) 44.
simile, see Diprion simile.	control. (36) 744.
spp. in Europe, (35) 760.	in British Columbia, (32) 747.
Lopidea—	in British Columbia, (32) 747. Canada, (26) 544; (28) 644; (30) 46; (32)
media in Maryland, (38) 155.	841; (35) 347; (36) 244; (37) 245; (38) 146,
robiniae, description, (35) 255.	147.
Loquat, crown gall affecting, (28) 447.	Java and Madoera, (34) 239.
Loquats—	Middle West, (38) 847. Montana, (35) 542. Oregon, (28) 439.
host plant of fruit fly, (26) 758.	.VIONGAB, (35) 542.
studies, (32) 838.	Dhilinging (21) 441. (20) 45
Loranthaceae— effect on hosts, (28) 548.	Philippines, (31) 641; (38) 45. Texas, (33) 788. Trent watershed, Ontario, (31) 445.
osmotic pressure of tissue fluids, (37) 47.	Trent wetershed Ontario (31) 445
tropical, transpiration experiments, (31) 324.	United States (30) 536 791 844 (32) 48
Loranthus—	United States, (30) 536, 791, 844; (32) 48; (33) 344; (36) 644. United States, handbook, (35) 649.
entchhensis, notes, (35) 45.	United States, handbook, (35) 649
secundiflorum, notes, (26) 549.	Wisconsin, (31) 444.
secundiflorum, notes, (26) 549. sp., habits and relations, (30) 745. sp., parasitic on Para rubber, (26) 345. sphaerocarpus, parasitic on Dracaena, (27) 252.	LETTIN 11860 10. (38) 545.
sp., parasitic on Para rubber, (26) 345.	kiln drying, (33) 243; (34) 152.
sphaerocarpus, parasitic on Dracaena, (27) 252.	kiln drying, treatise, (38) 46.
spp. on rubber, (33) 651; (38) 53. theobromae, notes, (38) 846.	kiln drying, (33) 243; (34) 152. kiln drying, treatise, (38) 46. markets on east coast of South America, (35) 453.
theobromae, notes, (36) 846.	mold, prevention, (27) 753. of Philippines, (40) 152.
theobromae, relation to citrus knot, (36) 851.	of Philippines, (40) 152.
Losa, description, (30) 35.	prevention of sap stain in, (26) 339.
Lotononis sp., analyses and digestibility, (27) 871.	production in 1914-15, (57) 145.
Lotus— australis, analyses, (27) 68, 469.	prevention of sap stain in, (26) 339. production in 1914-15, (37) 148. production in 1916, (39) 452. production in 1917, (40) 843.
borer, studies, (40) 756.	resources of Texas, conservation, (34) 489.
corniculatus—	round-edge, utilization, (36) 145. storage, (37) 349.
culture in Hawaii. (32) 730.	storage. (37) 349.
culture in Hawaii, (32) 730. fertilizer experiments, (27) 24.	substitutes, (38) 248.
hydrogen cyanid in, (27) 30.	use by wood-working industries, (38) 751.
variation in, (20) 321.	use on California farms, (40) 90.
nodule, bacteria of, (32) 33.	used by manufacturers in Canada, (26) 614
Loughridge, R. H., biographical sketch, (37) 498.	waste as source of potash, (37) 722.
Louisiana—	waste, utilization, (35) 843.
Stations—	Lumbering—
financial statement, (28) 194. notes, (26) 395; (27) 197, 600; (28) 93, 300, 900; (30) 796; (34) 496; (36) 695; (37) 196, 700; (38) 900; (39) 96; (40) 297, 900	bibliography, (26) 442. in Calliornia, (38) 745.
900: (30) 796: (34) 496: (36) 695: (37) 196.	operations, flumes in, (31) 485.
700: (38) 900: (39) 96: (40) 297, 900.	Lumbermen, conditions among in Sweden, (37) 890.
report, (30) 696, 899; (33) 96; (35) 396; (37)	Lumbricidae of North America, (40) 267.
59Q+ (3Q) 59R	Lumbricus rubellus, carbon dioxid exhalation of,
report of director, (28) 194.	(26) 619.
roport of director, (28) 194. University, notes, (26) 395; (27) 697; (30) 497; (32) 396; (38) 97; (40) 900.	Lumpy jaw, see Actinomycosis.
(32) 396; (38) 97; (40) 900.	Lunar—
Louping-III— in sheep, (29) 681; (36) 83. notes, (26) 383.	eclipses in 1917, (38) 812. halo of July 24, 1861, (35) 115.
notes (98) 383	neriode affect on alimete (24) 14
studies, (40) 383.	periods, effect on climate, (34) 14. rainbow, (38) 511.
transmission by ticks, (37) 277.	Lunch—
Low pressure at Paris, (36) 719.	room conducted by Board of Health, New York
Lowlands of Missouri, reclamation, (27) 290.	City, (33) 753.
Loxostege—	rooms, equipment and management, (35) 363.
similalis, see Garden webworm.	rooms, treatise, (26) 564.
	Lunches —
life history, (38) 562. notes, (29) 652; (32) 153. studies, (27) 861; (29) 54, 252.	box, planning, (31) 394.
notes, (29) 652; (32) 153.	for rural schools, (30) 462.
studies, (27) 861; (29) 54, 252.	school children, (29) 464, 465; (34) 257.
treatment, (26) 648.	school children in Philadelphia, (31) 660.
Loxostoma sp. on sugar cane, (33) 560.	women clerks in Bank of England, (30) 166.
Lubber grasshopper, remedies, (36) 55. Lubricants for internal combustion engines, (30)	recipes and cost data, (33) 68. Lung—
690; (32) 86.	distome, intermediate host, (35) 384, 681; (36)
Lubricating materials, methods of analysis, (27) 205.	577.
Lucern, see Alfalfa.	plague—
Lucilia—	in bovines, immunization, (26) 578, 676.
sericata—	notes, (26) 373.
attacking a live calf, (32) 851.	prevalence in Prussia, (27) 181.
heredity of bristles in, (31) 551.	Lungs of mammals, weight of, (29) 476.
notes, (28) 255; (34) 554; (38) 161.	Imagworms—
studies, (33) 157. sp., relation to leprosy, (31) 851.	life history and treatment, (35) 182; (37) 179. notes, (35) 878.
spp., hibernation, (38) 262.	of sheep and deer, relationship, (30) 284.

SUBJECT INDEX

Lungworms—Continued	Lupines-Continued.
studies, (34) 879.	yellow and blue, seed varieties of, (30) 38.
thread, in goats, (34) 274	yellow, fertilizing value, (26) 323.
tre itment, (35) 488.	Lupinosis in norses, (31) 583.
Luperisinus californicus, notes, (38) 157. Luperodes varicornis, notes, (34) 555.	Lupinus—
Luperos rufipes, notes, (31) 848.	albus, phosphatids in, (27) 203.
Lupino—	albus, tropisms of in alkali solutions, (31) 325.
anthracnose, notes, (28) 648.	angustifolius, analyses, (33) 466. haiwegii, culture in Hawaii, (32) 730.
chlorosis, treatment, (32) 842.	luteus, behavior on lime soils, (31) 425.
disease, new, (39) 53.	luteus, enzymatic splitting of arginin in, (39)
flakes, analyses, (28) 873.	733.
flakes, analyses and feeding value, (33) 170.	sericeus, description, (39) 386.
flakes for sheep, (29) 572.	spp, notes, (32) 778.
flakes, preparation and use, (36) 367. forage, effect on milk and butter, (34) 570.	Lupulin in hops, (33) 530.
radicles as affected by metallic salts, (32) 128.	Lupus viruses, investigations, (26) 884. Lutear cells and hen-feathering, (40) 665.
seed as affected by disinfectants, (26) 820.	Lattein in egg volk (26) 67 562: (27) 611
seed, composition, (33) 665.	Lutein in egg volk, (26) 67, 563; (27) 611. Luteins, constitution of, (30) 501.
seed, germination as affected by green manures, (33) 331.	Luyaluya, notes, (26) 362; (30) 230.
(33) 331.	Lycaena—
seed, germination tests, (29) 740.	bactica, notes, (27) 155.
seed phasin, agglutinating properties, (31) 774. shoots, etiolated, absorption of nitrogen by, (35)	spp., behavior of ants toward larvae, (27) 258.
435.	Lycenid, reared in Acacia galls by ants, (31) 352. Lychnis—
straw as a ground covering for fir, (30) 446.	dioica—
Lupines-	chemistry and anatomy of, (34) 522.
absorption—	chlorophyll factors in, (35) 227.
and excretion of electrolytes by, (32) 824.	hermaphroditism in, (30) 842.
and secretion of salts by, (34) 224. of salt mixtures by, (36) 128.	primary color factors, (27) 733,
on Sait Mixtures Dy, (30) 128.	inheritance in, (36) 331.
and mustard, continuous culture, (29) 431. as affected by—	inhibiting factors in breeding, (26) 827.
distilled water, (30) 825.	Lycium barbarum. localization of betain in, (27)
ether, (26) 127.	Lycoperdon spp., effect on vegetation, (38) 222.
lime, (35) 441.	Lycopersicin, formation in tomatoes, (32) 203.
manganese sulphate, (26) 226.	Lycopin—
smoke, (31) 521.	and its relation to chlorophyll, (32) 824.
as coffee substitutes, (40) 864.	development in tomatoes, (29) 132.
cover crop for orchards, (37) 833. green manure, (35) 629; (40) 229.	Lyctus—
poisonous plants. (36) 276.	beetles, remedies, (36) 758.
poisonous plants, (36) 270. sand binder, (29) 427.	planicollis, egg and manner of oviposition, (35)
assimilation of nitrogen by, (31) 523. bacteria as affected by acidity, (39) 722.	Lyda stellata—
bacteria as affected by acidity, (39) 722.	egg parasite of, (26) 557.
behavior of organic substances in, (39) 526.	notes, (30) 249.
behavior toward ammonium salts, (36) 632. blue, germination as affected by fertilizers, (29)	Lygaeonematus—
327.	erichsonii, see Nematus erichsonii. moestus, notes, (29) 861; (30) 53.
blue, toxicity, (39) 184.	Lygeum spartum, culture and use, (33) 131.
composition and digestibility, (27) 669.	Lygidea mendax—
culture experiments, (40) 238. culture in Rhodesia, (27) 32, 637. culture on moorland, (30) 229.	food plants of, (36) 356.
culture in Knodesia, (21) 52, 651.	notes, (26) 147; (28) 752; (30) 359, 852; (32) 550, 651; (33) 58, 252; (34) 158, 752; (35) 54; (36)
culture under dry farming, (30) 435.	856.
culture under dry farming, (30) 435. description, (32) 474.	oviposition, (34) 255.
	remedies, (35) 456; (39) 760.
drying, (27) 669.	scars on apples, (39) 257.
lertilizer experiments, (26) 428, 631; (27) 235;	studies, (34) 754.
(29) 031; (30) 229; (33) 531.	Lygum spartum, roots of, (26) 535.
drying, (27) 609. fertilizer experiments, (26) 428, 631; (27) 235; (29) 631; (30) 229; (33) 531. fertilizing value, (32) 216. fungus disease of, (26) 747. germination as a ffected by Roentgon rays (28)	Lygus—
germination as affected by Roentgen rays, (28)	communis—see also Apple bug, green. n.sp., description, (36) 550.
128.	novascotionsis n.var., description, (36) 550.
germination tests, (30) 837.	invitue matae (26) 550
growth as affected by—	invitus, oviposition, (34) 255.
fertilizer salts, (29) 329. phytin, (28) 128.	invitus, studies, (30) 358; (36) 457.
radioactivity, (28) 731.	U.Jorius, descriptions, (40) 353.
growth in distilled water, (34) 827.	invitus, oviposition, (34) 255. invitus, studies, (30) 358; (36) 457. n.forms, descriptions, (40) 353. pratensis, see Tarnished plant-bug, revision and biology, (38) 461. spinolno, notes, (38) 57. studies, (40) 353.
growth in heated soils, (26) 815.	spinolae, notes, (38) 57.
growth on volcanic ash, (40) 812.	studies, (40) 353.
hybridization experiments, (26) 834.	113 114 114 114 114 114 114 114 114 114
inoculation experiments, (30) 735; (31) 131, 524; (32) 433; (35) 322; (40) 822.	Lymexylonidae, structure and biology, (28) 858. Lymph and blood, amino nitrogen and glucose in,
irrigation experiments, (29) 631.	Lymph and blood, amino nitrogen and glucose in,
lime intolerance, (27) 722.	(39) 670.
liming experiments, (33) 133.	Lymph antibodies, origin, (35) 73, 279. Lymphadenitis—
nitrification, (28) 124.	caseous, in sheep, (35) 574.
nodule bacteria of, (32) 33.	in man, (33) 450.
relation of tops to roots, (31) 733. removing bitter flavor, (36) 635.	Lymphadenoma, transmission by bedbugs, (31) 550.
removing Ditter Havor, (30) 685.	Lymphangitis—
sensitiveness to calcium, (34) 724; (35) 430, stock poisoning by, (39) 184, 787.	epizootic, (39) 190, 283, 291, 389, 679, 789; (40) 85, 289, 586, 885.
stored, variations in weight of, (31) 235.	epizootio—
stored, variations in weight of, (31) 235. toxicity, (39) 184.	causative organism, (37) 377.
transformation of nitrogen by, (29) 133.	diagnosis, (38) 886,
utilization of phosphates by, (31) 733. varieties, (26) 631.	immunizatlon, (38) 785. in France, (37) 692.
white, root system, (32) 634.	in Hawaii, (39) 679.

	Machinery and place a great travel machinery
Lymphangids -Continued	Machinery—see also Agricultural machinery. for vine cultivation, tests, (26) 893.
epizootic—continued.	Macrobasis unicolor, see Blister beetles, ash-gray.
studies, (27) 185; (28) 379; (38) 83.	Macrocentrus-
in houses, (30) (70, (34) 384, studies, (27) 188; (28) 379; (38) 83, treatment, (28) 784; (77) 377, 781; (38) 587, 588, (89, 887; (30) 81, 185.	aegeriae n.sp., description, (33) 749. (Amicroplus) crambivorus n.sp., description,
588, (89, 887; (39) 81, 185.	(26) 352.
in cattle, (36) 82. in horses, causative organism, (34) 480.	cerasivoranae n.sp., description, (29) 563.
m horses, studies, (2.) 2-5. rodie, notes, (3.) 755. staphylo-strepto-e ypiloeoccic, (40) 680.	spp. in Great Britain, (32) 454.
1xodic, notes, (38) 795.	Macrocheles muscae n.sp., notes, (30) 757.
staphylo-strepto-c ypitococcic, (40) 680.	Macrocyrtus n.g. and n spp., descriptions, (28) 561.
treatment, (27) 86: (30) 81, 185, 287, 680, 791.	Macrocystis-
terminology, (39) 701. treatment, (27) 86; (30) 81, 185, 287, 680, 791. ulcerative, (39) 190, 253; (40) 85, 780, 886.	pyrifera, analyses, (31) 823.
ulcerative	spp., analyses, (27) 422.
disease simulating in horses and calves,	Macrodactylus— subspinosus, see Rose chafer.
(34) 186. in horses, (35) 574; (38) 785, 889.	uniformis, notes, (26) 452; (33) 746.
in horses, (35) 574; (38) 785, 889. in horses, immunization, (37) 583.	Macrodyctium—
treatment, (39) 185, 287.	omiodivorum, notes, (26) 758.
Lymphatic— gland tubercle, histogenesis, (28) 882.	sp., notes, (30) 659. Macronoctua onusta, notes (28) 157; (34) 752; (35)
glands in meat-producing animals, treatise,	54.
(34) 876.	Macroorileya occanthi, notes, (31) 650.
glands of bovines, tubercle bacilli in (26) 281.	Macrophages of mammals, definition, (34) 382.
system of bovines, (27) 784. system, origin and development, (30) 478.	Macrophoma— coffeae, notes, (38) 51.
Lymphocystis macropodis, notes, (27) 883.	curvispora, notes, (27) 448.
Lymphocytozoon cobayae, notes, (27) 882.	excelsa infestans, notes, (27) 554.
"Lymphoid defense," relation to diet and blood	sophorae n.sp., description, (27) 848.
cholesterol, (40) 767. Lynchia maura in North America, (35) 759.	sp., injurious to figs, (26) 449. trichosanthis n.sp., notes, (37) 148.
Lyndon Institute, farmers' week at, (26) 496.	tumefacions n.sp., description, (34) 448.
Lyperosia—	tumefaciens n.sp., description, (34) 448. vestita, notes, (29) 155.
exigua, bionomics, (39) 467.	Macrophya n.spp., descriptions, (37) 667. Macropus longimanus, notes, (28) 250.
exigua, relation to trypanosomiasis, (31) 777. irritans, see Ilorn fly.	Macrosargus cuprarius, notes, (33) 58.
minuta, mouth parts and sucking apparatus of,	Macrosiagon—
(29) 760.	flavipennis, notes, (34) 557.
sy., relation to surra in carabaos, (28) 756.	octomaculatus, notes, (34) 455. Macrosiphum—
sīpi., studies, (20) 559. Lyrosoma opaca, parasitism, (31) 60.	antharinii haradiiyin (32) 418
Lysalbinic acid, nitrogen distribution in, (38) 310.	British species, (30) 55.
Lvsimeter—	British species, (30) 75. citrifolli, notes, (26) 755. fragariae, notes, (33) 554. fragariae, studies, (38) 357.
description, (26) 619.	fragarine, notes, (30) 304.
investigations, (40) 431. rôle in soil solution studies, (27) 500; (28) 28.	granarium, see Grain aphis.
work, equipment for, (37) £21.	houchcrae, notes, (34) 453.
Lysin—	illinoisensis, life history, (38) 260.
as supplement for wheat, corn, and out pro-	injurious to peas, (31) 452. lactucae, notes, (27) 758. n.spp., descriptions, (31) 754.
tems, (36) 500. content of proteins, (31) 559.	n.spp., descriptions, (31) 754.
determination in proteins, (26) 22.	(Nectarophora) solumioni, notes, (28) 554.
effect on growth, (35) 208.	pisi, notes, (28) 556. pisi, predatory enemy of, (30) 459.
in chernozem soils, (25) 212.	pisi, remedies. (32) 652; (31) 755.
indispensability for growth, (31) 558. isolation from soils, (25) 418.	pisi, romedies, (32) 652; (31) 755. pisi, studies, (34) 62; (35) 401. solani, studies, (39) 149.
nitrogen in protein, (33)201.	solani, studies, (39) 149.
nutritive value. (38) 569.	solanifolii— notes, (33) 352; (35) 54; (37) 157; (38) 558;
occurrence in gliadin and zein, (29) 408 occurrence in sugar beets, (24) 510.	notes, (33) 352; (35) 54; (37) 157; (38) 558; (39) 761.
reaction with nitrous acid, (38) 10.	relation to spinneh blight, (39) 551.
rôle in maintenance of young animals, (38) 571.	studies, (34) 550; (37) 850; (38) 462, 654; (40) 456.
rôle in nutrition of chicks, (34) 871; (36) 372, synthesis by nummary gland, (40) 72.	spp., alternate host habits, (39) 464.
Lysol poisoning in domestic animals, (26) 581.	spp., notes, (28) 854.
Lysurus tevensis n.sp. and Anthurus borealis,	spp. on Rosaceae, (32) 848.
relation, (39) 30.	spp., wing development, (40) 456. viticola, life history, (33) 857.
Lytopius melanocephalus n.sp., description, (39) 566.	Macrosporium—
a d-Lyxose, crystallography and optical properties,	coffeanum, notes, (38) 51.
(40) 202,	commune, growth in plant decoctions, (37) 728.
Macacus rhesus, endoparasitic mite in lung of, (31)	commune, nitrogen fixation by, (37) 129. eriobotryae n.sp., description, (31) 746. hesperidearum, n.sp., description, (31) 746. infection of wheat by, (26) 747.
356.	hesperidearum, n.sp., description, (31) 746.
Macadam— surfaces, raveling of, (31) 785.	infection of wheat by, (26) 747.
transmission of pressure to subgrade of, (33)	lanceolatum, notes, (36) 348. on carrot, (39) 52.
486.	Darasitienin sarcinum, notes, (a/) aaa.
Macaroni—	sarcinaeforme on red clover, (40) 156. sarcinula, treatment, (29) 245.
analyses and use, (27) 664. notes, (27) 765; (31) 658.	sarcinula, treatment, (29) 245.
Macdonald—	solani in tomato seed (22) 344.
Collego, notes, (26) 398; (28) 94.	solani, notes, (26) 446; (27) 354; (30) 448; (31)
College, notes, (28) 398; (28) 94. Consolidated School, Prince Edward Island,	746; (32) 342; (37) 249.
notes, (28) 793.	sardmins, treatmont, (29) 245. solani, description and treatment, (29) 847. solani in tomato seed, (32) 344. solani, notes, (26) 446; (27) 354; (30) 448; (31) 746; (32) 342; (37) 249. somniferi n.sp., description, (40) 155. sophorae n.sp., description, (27) 854. somhorae n.sp. notes, (40) 160.
Institute of Agriculture and Plant Experiment Station, (40) 500.	sophorae n.sp., description, (27) 884. sophorae n.sp. notes, (40) 160.
Mace, analyses and standards, (36) 466.	sp., notes, (26) 548.
Machina decion trautica (31) 200	en on cotton (22) 842

Macrosporium-Continued.	Magnesium—Continued.
sp. on tomatoes, (34) 641.	determination-continued
sydowianum, notes, (36) 149. taxonomic characters, (39) 30.	filter for, (38) 50%.
tomato, notes, (32) 240; (37) 150.	filter for, (38) 509. in foods, (29) 809. in plants, (29) 707.
Macuna utilis, notes, (31) 861.	m water, (31) 502, (33) 503, (37) 412.
Madake, hydropsy of, (35) 354. Madia cakes, effect on milk. (34) 570.	effect on— Aspergillus spp., (29) 825.
Madiza conicola n.sp., description, (40) 757.	chlorophyll formation, (35) 435; (36) 225.
Madura foot, causative agent, (26) 281. Magdalis—	growth of tubercle bacilli, (19) 381.
armicollis, notes, (27) 256. notes, (40) 759.	excretion as affected by lecithin, (26) 766. fertilizer, tests, (25) 735.
notes, (40) 759.	fertilizer, tests, (25) 735. fertilizers, action, (27) 228 fertilizing value, (27) 128
pruni (ruficornis), notes, (36) 853. synopsis, (30) 357.	function in plants, (36) 30.
violacea, notes, (28) 750.	giveerophosphate, use against tetanus, (34) 782.
Maggots affecting animals. (38) 160. Magnesia—	hypochlorite in surgery, (36) 379. hypochlorite, to acity, (39) 586.
and lime ratio—	importance in animal nutrition, (31) 663.
as affected by concentration, (28) 730. effect on plants, (26) 35; (20) 520; (30) 27.	in Asiatic foodstuffs, (29) 64.
for plants, (27) 824.	metabolism of Aspergillus niger, (30) 727. normal urine, (36) 366.
in grain culture, (30) 519. in soils, (28) 425, 812, 820; (29) 730; (31) 31,	soils, solubility, (39) 821. inake, effect on calcium retention by pigs,(29) 66.
218, 623.	limestone, fertilizing value, (40) 125.
and lime requirements of plants, (28) 820.	metabolism in dogs, (38) 569.
deficiency in soils, (28) 820. determination in limestone, (31) 314.	metabolism in dogs, (38) 569. metabolism, studies, (39) 875, 876. metabolism, treatise, (28) 569.
displacement by water in leaves, (29) 219.	nitrate, effect on toxic salts, (30) 31.
distribution in loam soils, (31) 618.	nitrate, toxicity for squash, (38) 224.
effect on— soils. (30) 220.	occurrence in weeds. (26) 432.
sugar beets, (34) 38.	nitrate, effect on toruc saits, (30) 31. nitrate, toxicity for squash, (38) 224. nutrition of plants, (40) 726. occurrence in weeds, (26) 432. of carrots and spinach in the dict, (39) 876 phosphate, fertilizing value, (31) 823. poisssium sulphate, preparation, (40) 801.
wheat (36) 519	phosphate, lerthizing value, (31) 823.
excess in soils, correcting, (35) 430.	relation to chlorosis, (28) 153; (33) 522; (35) 435.
fertilizing value, (35) 30; (39) 530; (40) 725, 824.	removal from soil, (39) 517.
loss from soils, (26) 422; (29) 211.	rôle in growth of fungi, (29) 28.
mica, decomposition by soil bacteria and yeast,	salts, absorption by plants, (35) 433.
of feeding stuffs, digestibility, (40) 769.	polospiate, ferbilizing value, (31) 823. polossium sulphate, preparation, (40) 801. telation to chlorosis, (28) 153; (33) 522; (35) 435. removal from soil, (39) 517. retention in growing pigs, (28) 469. rôle in growth of fungi, (29) 28. salts, absorption by plants, (35) 433. salts as coagulant for rubber latex, (26) 141. salts as fertilizers for spinach, (40) 503. salts, affect on-
relation to lime in soils, (36) 519.	
effect on— soils, (30) 220. sugar beets, (34) 38. sulphur content of soils, (38) 327. wheat, (36) 519. excess in soils, correcting, (35) 430. fertilizing value, (35) 30; (39) 530; (40) 725, 824. in New Zealand soils, (35) 715. loss from soils, (26) 422; (29) 211. mica, decomposition by soil bacteria and yeast, (31) 121. of feeding stuffs, digestibility, (40) 769. relation to lime in soils, (36) 519. relation to nitrification and plant growth, (30) 326.	action of phosphates, (35) 326. action of phosphoric acid, (27) 623.
requirements of plants, (27) 824; (28) 820. requirements of soils, (35) 714. rôle in green plants, (27) 332. solubility in chrysolite, (40) 812.	activity of lipase, (31) 264.
requirements of soils, (35) 714.	ammonia fixing power of soils, (27) 323.
solubility in chrysolite, (40) 812.	Aspergillus niger, (28) 824. canned foods, (34) 67.
sources for plants, (32) 622.	catalase, (26) 504. concrete, (29) 891.
toxic action on plant growth, (26) 723. toxicity toward tomatoes, (31) 218.	ferments, (26) 309.
waste products as source of lime, (38) 22.	germination and growth of crops, (34) 125.
effect on plant growth, (35) 726.	growth of rice, (30) 833. nitric-nitrogen accumulation, (40) 722.
fertilizing value, (40) 815.	soil bacteria, (38) 818.
and calcium, ratio in the diet, (29) 565.	solubility of phosphates, (36) 626; (37) 323, 324.
as affecting chlorophy II formation, (39) 827.	wheat, (39) 117.
carbonate, diffusion in soils, (29) 128. carbonate, effect on—	salts, toxicity in soil, (36) 515. separation from calcium, (28) 409.
development of Digitalis purpurea, (34) 135.	sulphate—
nitrogen fixation by Azotobacter chroccoc- cum, (33) 427.	antiseptic and germicidal value, (37) 176. antiseptic value, (39) 680.
nitrogen transformations, (28) 523.	as fertilizer for sugar beets, (30) 234.
plants, (40) 326.	sulphate, effect on— germination of dodder, (27) 28.
soil acidity, (37) 23. soil potash, (36) 625.	germination of pine seed, (28) 813.
sous, (38) 520.	germination of pine seed, (28) 843. germination of seeds, (29) 328.
strawberries, (34) 150. sulfofying power of soils, (37) 120.	solubility of phosphates, (28) 818. sugar beets, (31) 233.
carbonate	wheat seedlings, (31) 426.
fixation in soils, (31) 25. in humid soils, (31) 815. relation to soil fertility, (33) 513.	sulphate— fertilizing value, (27) 125; (31) 31; (33) 841;
relation to soil fertility, (33) 513.	(35) 430.
caseinates, studies, (31) 709. chlorid, absorption by plants, (35) 435.	in nutrient solutions, effect on plant growth, (39) 28, 331.
chlorid, effect on—	nitrogen absorption capacity, (28) 325.
activity of malt diastase, (29) 528. development of eggs, (26) 772.	relation to ammonification and concentra-
germination of seeds, (29) 327.	tion of soil solution, (39) 323. use against tetanus, (26) 783; (27) 381; (29)
sheep, (28) 672.	781; (38) 580. use for anesthesia, (35) 484.
chlorid, fertilizing value. (27) 125.	toxicity toward plants, (30) 128.
sheep, (28) 672. soils and plants, (35) 423. chlorid, fertilizing value, (27) 125. compounds, effect on plant growth, (35) 726.	toxicity toward plants, (30) 128. v. high calcium limestone, (39) 127, 220, 622,
deficiency, effect on out plant, (40) 324.	626; (40) 423. Magnetic—
concentration in subsoil, (31) 720. deficiency, effect on oat plant, (40) 324. determination, (28) 507; (84) 712.	and meteorologic phenomena, relation, (31) 615
determination— as magneslum oxid, (20) 607.	black, effect on linseed oil, (28) 714. observations at Habana, (28) 213; (39) 419.

Magnetic-Continued	Malaria—Continued.
storms and rain, correlation, (38) 15.	prevention, (30) 486; (31) 292, 756; (35) 887; (36)
storms of August, 1916, (38) 210.	460.
storms, sun spets, and rainfall, (38) 811.	problem in the South, (33) 255.
Magnetos for farm engines, (38) 893.	relation to crop production, (37) 57.
Magnifier, binocular, (36) 97.	studies, (40) 356. tertian, relation to Anopheles, (39) 156.
Magnolia-	tertian, relation to Anopheles, (39) 156.
cell division in, (40) 518.	transmission—
forcing experiments, (28) 435.	by Anopheles, (34) 358; (35) 360, 361; (40) 552 bedbugs, (31) 550.
oils of, (37) 109.	bedbugs, (31) 550.
powdery mildew, description, (37) 657.	
Magnolias for northern lawns, (39) 244.	mosquitoes, (29) 856.
Maguey—	nosquitoes, (29) 886. experiments, (33) 859; (36) 757. treatise, (33) 155, 156.
binder twine from, (27) 534.	treatise, (33) 155, 156.
culture in Philippines, (30) 229, 434.	winter carrier, (37) 463.
production in Philippines, (39) 231.	Malarial—
standard grades, (36) 634.	anophelines, key, (39) 867.
Mahogany-	anophelines, key, (39) 867. anophelines, studies, (40) 168
and its substitutes, (36) 745; (40) 843. borer of Gold Coast, (31) 254.	parasites, culture in vitro, (30) 481, 781. parasites, resistance to cold, (36) 858. plasmodia, cultivation in vitro, (28) 179. Malate, action on isolated intestine, (37) 471.
borer of Gold Coast, (31) 254.	parasites, resistance to cold, (36) 858.
experimental plantings, (38) 749. insects affecting, (28) 555; (30) 546.	plasmodia, cultivation in vitro, (28) 179.
insects affecting, (28) 555; (30) 546.	Malate, action on isolated intestine, (37) 471.
seedings, nowering of, (29) 346.	Malcomia africana, analyses, (33) 466.
tests, (33) 536.	Malcomia africana, analyses, (33) 466. Male fern as vermifuge, (38) 884.
Maiden cane—	Malic acid—
analyses, (35) 831.	assimilation by plants, (31) 426.
nay, analyses, (26) 362.	behavior toward oxidizing agents, (26) 25.
Maine—	decomposition by sunlight, (30) 431. determination, (26) 509, 710; (27) 112.
Agricultural and Industrial League, demon-	determination, (26) 509, 710; (27) 112.
stration farm, (40) 500.	determination in—
College, history, (36) 594	fruit juices, (32) 297.
Station-	fruit products, (27) 497.
abstracts of papers, (37) 396.	presence of tartaric acid, (28) 24; (38) 805.
financial statement, (27) 492; (29) 194.	roselle, (29) 161. urine, (36) 468.
index to bulletins, (39) 196.	urine, (36) 468.
financial statement, (27) 492; (29) 194. index to bulletins, (39) 196. notes, (26) 796; (27) 98, 697; (28) 600, 696; (29) 195, 699; (32) 694; (33) 300; (34) 496, 600; (35) 96; (36) 98; (37) 497; (38) 299; (40)	Wine, (30) 13.
(29) 195, 699; (32) 694; (33) 300; (34) 496,	effect on carbon assimilation of plants, (27) 525.
600; (35) 96; (36) 98; (37) 497; (38) 299; (40)	effect on fungi, (28) 444. occurrence in honey, (28) 166.
497.	occurrence in honey, (28) 166.
organization, finances, etc., (39) 196.	optical rotation, (27) 497.
report, (27) 494; (29) 194; (31) 196; (33) 96; (35) 299; (39) 196.	reaction of, (33) 414.
(35) 299; (39) 196.	secretion by Cicer arietinum, (34) 525.
University, history, (36) 594. University, notes, (27) 799; (29) 195, 397; (31) 796, 900; (33) 300; (34) 96, 396, 600, 900; (37) 97,	studies, (27) 309. toxicity, (28) 661.
University, notes, (27) 799; (29) 195, 397; (31)	toxicity, (28) 601.
796, 900; (33) 300; (34) 96, 396, 600, 900; (37) 97,	diffication by higher plants, (20) 425.
4 97.	Malignant—
Maize, see Corn.	growths, meiostagmin reaction with, (31) 178;
Mal decaderas—	(33) 280.
immunity to, (29) 379.	growths, serum reactions with, (26) 676.
III DIMBII GUISHA, (50) 000.	growths, treatment, (29) 476.
relation to Triatoma infestans, (31) 82.	new growth, transmission, (28) 287.
εταιμαμε, (40) 000.	Mallard ducks, food habits, (40) 254.
Mal de I ree in cheer and costs (97) 997	Mallein—see also Glanders.
treatment, (40) 583. vector of, (30) 785. Mal de Lure in sheep and goats, (27) 887. Malechre contists they tasts (31) 893.	action of, (33) 773.
Malachra Capitata ilder, tests, (31) 520.	action of, (33) 773. curative action in secretion of the nose, (30)
Malacosoma—see also Tent caterpillar.	action of, (33) 773. curative action in secretion of the nose, (30) 579.
Malacora capitata iner, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar.	action of, (33) 773. curative action in secretion of the nose, (30) 579.
Malacora capitata iner, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284.
Malacora capitata iner, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. ave drapper, description, (22) 580.
Malacora capitata iner, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. ave drapper, description, (22) 580.
Malacora capitata iner, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapaluebral, (38) 886.
Malacora capitata iner, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapaluebral, (38) 886.
Malacona—see also Tent caterpillar. Malacona—see also Tent caterpillar. americana, see Apple tent caterpillar. disstria, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (28) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malanga—	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapaluebral, (38) 886.
Malacona—see also Tent caterpillar. Malacona—see also Tent caterpillar. americana, see Apple tent caterpillar. disstria, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (28) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malanga—	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapaluebral, (38) 886.
Malacona—see also Tent caterpillar. Malacona—see also Tent caterpillar. americana, see Apple tent caterpillar. disstria, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (28) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malanga—	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapaluebral, (38) 886.
Malacona—see also Tent caterpillar. Malacona—see also Tent caterpillar. americana, see Apple tent caterpillar. disstria, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (28) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malanga—	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 887. toleration in horses, (27) 883. use, (32) 180.
Malacona capitata incer, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. clistria, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg perasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malangas— culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41.	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 887. toleration in horses, (27) 883. use, (32) 180.
Malaconra capitata inder, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. disstris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg paresite of. (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 347. Malangas— culture and analyses, (38) 340. culture in Cuba, (31) 41. Malaria—see also Anopholes and Mosquitoes.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eyo dropper, description, (32) 580. predpitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradermal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883.
Malacona capitata inder, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. disstries, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malangas— culture and analyses, (38) 340. culture and to Luba, (31) 41. Malaria—see also Anopholes and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Mallenization, historical survey, (39) 890. Mallophaga— affecting domestic animals in Australia, (29) 757.
Malacoma-see also Tent caterpillar. Malacoma-see also Tent caterpillar. americana, see Apple tent caterpillar. disstria, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malanga- culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malaris-see also Anopholes and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. predpitant for, (20) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Mallenization, historical survey, (39) 690. Mallophaga— affecting domostic animals in Australia, (29) 757. affecting fowls, (33) 363.
Malacons capitata inder, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. disstris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. meustria, egg parasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malangas— culture and analyses, (38) 340. culture in Cubs, (31) 41. Malaris—see also Anopholes and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656.	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Malleluization, historical survey, (39) 690. Mallophaga— affecting domostic animals in Australia, (29) 757. affecting fowls, (33) 383. distribution and species forming among, (29) 53.
Malacons capitata inder, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. disstris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg perasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 347. Malangas— erulture and analyses, (38) 340. oulture experiments, (30) 229. culture in Cuba, (31) 41. Malaria—see also Anopheles and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control, (39) 867.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (29) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (20) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Mallentization, historical survey, (39) 890. Mallentization, historical survey, (39) 590. Mallentization, mistorical survey, (39) 590. feeting downstic animals in Australia, (29) 757. affecting fowls, (33) 353. distribution and species forming among, (29) 53. new, from North American birds, (38) 761.
Malaconra capitata incer, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. clistria, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malangas— culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malaria—see also Anopholes and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control, (39) 867. control—	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapaluebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Malleitization, historical survey, (39) 590. Mallophaga— affecting domestic animals in Australia, (29) 757. affecting fowls, (33) 353. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (30) 552.
Malacons capitata noer, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. disstris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg paresite of. (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 347. Malangas— culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malaris—see also Anopholes and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control— by land drainage, (33) 486.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Mallentization, historical survey, (39) 890. Mallophaga— affecting domestic animals in Australia, (29) 757. affecting domestic animals in Australia, (29) 757. affecting domestic animals in Australia, (29) 758. new, from North American birds, (38) 761. notes, (36) 552. of North American mammals, (36) 253.
Malacoma-see also Tent caterpillar. Malacoma-see also Tent caterpillar. mericana, see Apple tent caterpillar. disstria, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malanga- culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malaria-see also Anopholes and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control. by land drainage, (33) 486. in arkansas, (38) 862.	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (33) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Malleitization, historical survey, (39) 590. Mallophaga— affecting domestic animals in Australia, (29) 757. affecting fowls, (33) 353. distribution and species forming among, (20) 53. new, from North American brids, (38) 761. notes, (30) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461.
Malacoma-see also Tent caterpillar. Malacoma-see also Tent caterpillar. mericana, see Apple tent caterpillar. disstria, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malanga- culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malaria-see also Anopholes and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control. by land drainage, (33) 486. in arkansas, (38) 862.	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intraphyebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Malletitization, historical survey, (39) 590. Mallophaga— affecting domostic animals in Australia, (29) 757. affecting fowls, (33) 383. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (36) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow—
Malaconra capitata inder, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. distris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg paresite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malangas— culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malarla—see also Anopheles and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control— by land drainage, (33) 486. in Arkansas, (38) 862. California, (28) 560. Cuba and Panama, (39) 158.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (26) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Mallentization, historical survey, (39) 890. Mallentization, historical survey, (39) 890. Mallentization, historical survey, (39) 590. Mallentization, historical survey, (39) 590. affecting downstic animals in Australia, (29) 757. affecting fowls, (33) 353. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (36) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow— eaterpillar, life history, (38) 562.
Malacons capitata inder, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. disstris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malangas— culture and analyses, (38) 340. oulture experiments, (30) 229. culture in Cuba, (31) 41. Malaris—see also Anopholes and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control, (39) 867. control— by land drainage, (33) 486. in Arkansas, (38) 862. California, (28) 560. Cuba and Panama, (39) 158. rice districts, (40) 857, 868.	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapaluebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Malleitization, historical survey, (39) 890. Malleitization, historical survey, (39) 890. Mallophaga— affecting domestic animals in Australia, (29) 757. affecting fowls, (33) 353. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (36) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow— esterpillar, life history, (38) 562.
Malaconra capitata inder, tests, (31) 520. Malaconra—see also Tent caterpillar. americana, see Apple tent caterpillar. distris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg paresite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malangas— culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malarla—see also Anopheles and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control— by land drainage, (33) 486. in Arkansas, (38) 862. California, (28) 560. Cuba and Panama, (39) 158. rice districts, (40) 857, 868. Western Hemisphere, (37) 565.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Mallenization, historical survey, (39) 890. Mallenization, historical survey, (39) 890. Mallenization and species forming among, (29) 787. affecting domestic animals in Australia, (29) 787. affecting domestic animals in Australia, (29) 787. affecting fowls, (33) 383. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (36) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow— eaterpillar, life history, (38) 862. Jews', culture in Egypt, (34) 232. rust, biology, (32) 54.
Malaconra capitata inder, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. clistria, see Forest tent caterpillar. crosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malangas— culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malaria—see also Anopholes and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control. by land drainage, (33) 486. in arkansas, (38) 862. California, (28) 560. Cuba and Panama, (39) 158. rice districts, (40) 857, 868. Western Hemisphere, (37) 565. equine, in Barbados, (37) 483.	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction intrapaluebral, (38) 886. reaction on sound horses, (33) 479. test, intradermal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Malleitization, historical survey, (39) 590. Malleitization, historical survey, (39) 590. Mallophaga— affecting domestic animals in Australia, (29) 757. affecting fowls, (33) 353. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (30) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow— eaterpillar, life history, (38) 562. Jews', culture in Egypt, (34) 232. rust, blology, (32) 54. rust, development, (30) 453.
Malacons capitats in Der, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. disstris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 347. Malangas— culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malaris—see also Anopholes and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control— by land drainage, (33) 486. in Arkansas, (38) 862. California, (28) 560. Cuba and Panama, (39) 158. rice districts, (40) 857, 868. Western Hemisphere, (37) 565. equine, in Barbados, (37) 483. fever, metabolism in, (40) 868.	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction intrapaluebral, (38) 886. reaction on sound horses, (33) 479. test, intradermal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Malleitization, historical survey, (39) 590. Malleitization, historical survey, (39) 590. Mallophaga— affecting domestic animals in Australia, (29) 757. affecting fowls, (33) 353. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (30) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow— eaterpillar, life history, (38) 562. Jews', culture in Egypt, (34) 232. rust, blology, (32) 54. rust, development, (30) 453.
Malaconra capitata inder, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. clistria, see Forest tent caterpillar. crosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malangas— culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malaria—see also Anopheles and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control. by land drainage, (33) 486. in arkansas, (38) 862. California, (28) 560. Cuba and Panama, (39) 158. rice districts, (40) 857, 868. Western Hemisphere, (37) 565. equine, in Barbados, (37) 483. fever, metabolism in, (40) 868. handbook. (28) 759.	action of, (33) 773. curative action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (33) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Malletitization, historical survey, (39) 590. Mallephaga— affecting domestic animals in Australia, (29) 757. affecting fowls, (33) 353. distribution and species forming among, (20) 53. new, from North American birds, (38) 761. notes, (30) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow— exterpillar, life history, (38) 562. Jews*, culture in Egypt, (34) 232. rust, blology, (32) 54. rust, development, (30) 453. rust, hereditary transmission, (31) 646. wild, coloring matter, of, (34) 710.
Malaconra capitata inder, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. clistria, see Forest tent caterpillar. crosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malangas— culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malaria—see also Anopheles and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control. by land drainage, (33) 486. in arkansas, (38) 862. California, (28) 560. Cuba and Panama, (39) 158. rice districts, (40) 857, 868. Western Hemisphere, (37) 565. equine, in Barbados, (37) 483. fever, metabolism in, (40) 868. handbook. (28) 759.	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, intradernal, notes, (31) 177. test, intradernal, notes, (31) 187. toleration in horses, (27) 883. use, (32) 180. Malletileation, historical survey, (39) 890. Mallophaga— affecting domestic animals in Australia, (29) 757. affecting fowls, (33) 383. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (36) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow— caterpillar, life history, (38) 562. Jews', culture in Egypt, (34) 232. rust, blology, (32) 54. rust, development, (30) 453. rust, horeditary transmission, (31) 646. wild, coloring matter, of, (34) 710. Malloution—see also Underfeeding.
Malacons capitats in Der, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. distris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg paresite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 347. Malangas— culture and analyses, (38) 340. culture and culture, (31) 41. Malaria—see also Anopheles and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control— by land drainage, (33) 486. in Arkansas, (38) 862. California, (28) 560. Cuba and Panama, (39) 158. rice districts, (40) 857, 868. Western Hemisphere, (37) 565. equine, in Barbados, (37) 483. fever, metabolism in, (40) 868. handbook, (29) 759. in birds, studies, (39) 389. in cattle in relation to antirinderpest vagena-	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, intradernal, notes, (31) 177. test, intradernal, notes, (31) 187. toleration in horses, (27) 883. use, (32) 180. Malletileation, historical survey, (39) 890. Mallophaga— affecting domestic animals in Australia, (29) 757. affecting fowls, (33) 383. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (36) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow— caterpillar, life history, (38) 562. Jews', culture in Egypt, (34) 232. rust, blology, (32) 54. rust, development, (30) 453. rust, horeditary transmission, (31) 646. wild, coloring matter, of, (34) 710. Malloution—see also Underfeeding.
Malacons capitats in Der, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. distris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg paresite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 347. Malangas— culture and analyses, (38) 340. culture and culture, (31) 41. Malaria—see also Anopheles and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control— by land drainage, (33) 486. in Arkansas, (38) 862. California, (28) 560. Cuba and Panama, (39) 158. rice districts, (40) 857, 868. Western Hemisphere, (37) 565. equine, in Barbados, (37) 483. fever, metabolism in, (40) 868. handbook, (29) 759. in birds, studies, (39) 389. in cattle in relation to antirinderpest vagena-	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Malleluization, historical survey, (39) 690. Mallophaga— affecting domestic animals in Australia, (29) 757. affecting fowls, (33) 383. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (36) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow— esterpullar, life history, (38) 562. Jews', culture in Egypt, (34) 232. rust, blology, (32) 54. rust, development, (30) 453. rust, hereditary transmission, (31) 646. wild, coloring matter, of, (34) 710. Malnutrition—see also Underfeeding. and disease, correlation, (32) 358. and toxicity in bants, diseases, correlation, (33) 725.
Malacons capitats in Der, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. disstris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg paresite of. (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 347. Malargas— culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malarjasee also Anopheles and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control— by land drainage, (33) 486. in arkansas, (38) 862. California, (28) 560. Cuba and Panama, (39) 158. rice districts, (40) 857, 888. Western Hemisphere, (37) 565. equine, in Barbados, (37) 483. fever, metabolism in, (40) 868. handbook, (29) 759. in birds, studies, (39) 389. in cattle in relation to antirinderpest vaccinations, (39) 81. in Philippines, (33) 859.	action of, (33) 773. curative action in secretion of the nose, (30) 679. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. evo dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Malleinization, historical survey, (39) 890. Mallophaga— affecting domestic animals in Australia, (29) 757. affecting fowls, (33) 383. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (36) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow— caterpillar, life history, (38) 662. Jews', culture in Egypt, (34) 232. rust, biology, (32) 54. rust, development, (30) 453. rust, hereditary transmission, (31) 646. wild, coloring matter, of, (34) 710. Malnurition—see also Underfeeding. and disease, correlation, (32) 385. and toxicity in plants, discussion, (33) 725. effect on enersy metabolism, (32) 664.
Malacona capitata inder, tests, 431, 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. distris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg parasite of, (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 847. Malangas— culture and analyses, (38) 340. culture in Cuba, (31) 41. Malaris—see also Anopheles and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control.— by land drainage, (33) 486. in Arkansas, (38) 862. California, (28) 560. Cuba and Panama, (39) 158. rice districts, (40) 857, 868. Western Hemisphere, (37) 565. equine, in Barbados, (37) 483. fever, metabolism in, (40) 868. handbook, (29) 759. in birds, studies, (39) 389. in cattle in relation to antirinderpest vaccinations, (39) 81. in Philippines, (33) 859. losses to rural industries from, (33) 749.	action of, (33) 773. curstive action in secretion of the nose, (30) 579. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. eye dropper, description, (32) 580. precipitant for, (26) 483. reaction on sound horses, (33) 479. test, intradernal, notes, (33) 479. test, intradernal, notes, (31) 177. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Malleitization, historical survey, (39) 590. Mallophaga— affecting domestic animals in Australia, (29) 757. affecting fowls, (33) 353. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (36) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow— caterpillar, life history, (38) 562. Jews', culture in Egypt, (34) 232. rust, blology, (32) 54. rust, development, (30) 453. rust, hereditary transmission, (31) 646. wild, coloring matter, of, (34) 710. Malnutrition—see also Underfeeding, and disease, correlation, (32) 358. and toxicity in plants, discussion, (33) 725. effect on energy metabolism, (33) 664. tissue alteration in, (36) 763.
Malacons capitats in Der, tests, (31) 520. Malacosoma—see also Tent caterpillar. americana, see Apple tent caterpillar. disstris, see Forest tent caterpillar. erosa, notes, (32) 551. fragilis in California, (32) 152. neustria, egg paresite of. (26) 557. spp., notes, (27) 857; (29) 558; (32) 448. spp., remedies, (32) 347. Malargas— culture and analyses, (38) 340. culture experiments, (30) 229. culture in Cuba, (31) 41. Malarjasee also Anopheles and Mosquitoes. and mosquitoes in eastern North Carolina, (32) 61. bibliography, (33) 560. cause and prevention, (33) 656. control— by land drainage, (33) 486. in arkansas, (38) 862. California, (28) 560. Cuba and Panama, (39) 158. rice districts, (40) 857, 888. Western Hemisphere, (37) 565. equine, in Barbados, (37) 483. fever, metabolism in, (40) 868. handbook, (29) 759. in birds, studies, (39) 389. in cattle in relation to antirinderpest vaccinations, (39) 81. in Philippines, (33) 859.	action of, (33) 773. curative action in secretion of the nose, (30) 679. diagonostic value, (26) 177, 578, 676; (31) 879. effect on blood of horses, (20) 284. effect on diagnosis in glanders, (30) 686, 881. evo dropper, description, (32) 580. precipitant for, (26) 483. reaction, intrapalpebral, (38) 886. reaction on sound horses, (33) 479. test, notes, (27) 782; (28) 587. toleration in horses, (27) 883. use, (32) 180. Malleinization, historical survey, (39) 890. Mallophaga— affecting domestic animals in Australia, (29) 757. affecting fowls, (33) 383. distribution and species forming among, (29) 53. new, from North American birds, (38) 761. notes, (36) 552. of North American mammals, (36) 253. systematic nomenclature, (37) 461. Mallow— caterpillar, life history, (38) 662. Jews', culture in Egypt, (34) 232. rust, biology, (32) 54. rust, development, (30) 453. rust, hereditary transmission, (31) 646. wild, coloring matter, of, (34) 710. Malnurition—see also Underfeeding. and disease, correlation, (32) 385. and toxicity in plants, discussion, (33) 725. effect on enersy metabolism, (32) 664.

SUBJECT INDEX

Malophagus evinus in South Australia, (31) 853. Malt—	Maltose—Continued in acid hydrolyzed starch products, (28) 312.
and lase, action of bromid on, (37) 614. and lase, action on soluble starch, (37) 613.	in malt sprouts, (26) 24. resorption in small intestine, (29) 268.
amylase, studies, (40) 504. culms in ration, effect on bulk of manure, (40)	solutions, turbidity, (30) 808. Malukang butter, detection, (29) 613.
126.	Malvaceae, oils and fiber of, (36) 803.
diastase as affected by chlorids, (29) 528. diastase, saccharification, (31) 806.	Malvin, studies, (34) 710. Maniestra—
dust as feeding stuff, (30) 556. dust, ground, analyses, (33) 870.	biassicae, egg parasite of, (26) 557. picta, see Zebra caterpillar.
extract— amylases of, (31) 410.	tutolii, see Clover cutworm.
commercial products from, (32) 854.	Manuac— inheritance in Duroc Jersey swine, (29) 470.
effect on autolysis of coagulable proteins, (28) 504.	inheritance in pigs, (28) 570, 574.
effect on growth of rats, (34) 258. evamination, (31) 67.	Secretion as factor in onset of labor, (27) 1%
homemade, for nursing mothers, (29) 162. prevention of polyneuritis by, (31) 762.	chromosomes, fixation, (40) 662. hybrids, fertility of, (28) 667
germ, analyses, (26) 165, 363; (27) 570. grains, analyses, (24) 665.	tissue, growth in vitro, (33) 267.
grains, dried, analyses, (35) 562. methods of analysis, (32) 314.	Mammals—see also Animals and specific animals. artificial impregnation of, (29) 66.
phosphatases in, (34) 502.	blood parcsites of, (33) 152. British, history, (27) 51; (31) 248.
preparations, examination, (30) 669. root disease, new, description, (26) 647.	Canadian, 11 yp. nosomes of, (27) 81. coat pattern in, (32) 466.
saccharification by its own diastase, (29) 505. screenings, analyses, (33) 371.	color inheritance in, (37) 866; (38) 776.
soup extract in infant feeding, (36) 264.	correlation between number of mammae and size of litter, (31) 764.
sprouts— analyses, (26) 72, 165, 267, 665; (27) 68, 170,	domestic, suprarenal capsules of, (28) 778. fur-bearing, of North America, (29) 70.
(29) 270, 307, 471, 570, 666, 769; (30) 67, 68,	game, protection, (32) 447. germ-free, raising, (33) 310.
868; (31) 73, 168, 366, 467, 663, 766; (32) 169. 259, 568, 667; (33) 71, 371, 568, 870; (34) 72,	hair and hair coat system. (27) 369.
263, 371, 467, 665; (35) 562, 867; (36) 167, 268, 667; (37) 268, 471; (38) 67, 369, 665;	inheritance of color, (40) 869. inheritance of fertility, (40) 662.
(39) 167, 270, 370; (40) 665.	injurious to cacao, (27) 53. injurious to coconuts, (27) 857.
sprouts— spr	larger North American, (36) 354. macrophages of, (34) 382.
feeding value, (26) 72.	
methods of analysis, (20) 311. starch-forming enzym of, (33) 312.	male, necessory reproductive giands, (27) 303. male, production of feminine characteristics in, (28) 173. morphology and function of epithelium of uter-
tropon, effect on fat content of goat's milk, (31) 673.	ine coruna, (28) 875.
valuation, (34) 318. vinegar, standards, (27) 808.	natural diets and alimentary canal of, (28) 571. nematode parasites of, (36) 753.
Malta fever—	new, from Arizona and Colorado, (39) 654. new, of Mevico and Arizona, (34) 850.
cause, (27) 379. control in Malta, (26) 782.	new, of Mexico and Arizona, (34) 850. new, of North and Middle America, (37) 757. normal pulse rate of, (29) 66. of America, treatise, (38) 652. eastern Massachusetts, handbook, (33) 152.
diagnosis, (27) 379, 380; (30) 578, 781; (31) 878; (32) 276.	of America, treatise, (38) 652.
immunization, (26) 183; (39) 81. in Arizona, (27) 884; (30) 281.	Great Britain, (36) 852.
in goats, investigations, (29) 780. in Louisiana, (30) 281.	Great Britain, (36) 852. Great Britain, history, (35) 252, 656. Great Britain, treatise, (34) 57.
notes, (29) 285.	lower Colorado Valley, (34) 547.
organism, studios, (39) 289. prevalence in France, (26) 377.	North America, treatise, (37) 658. North Dakota, (32) 549. West Indies, list, (26) 652.
prevalence in the Gard, (26) 84. sero-diagnosis, (26) 782.	West Indies, list, (26) 652. western Europe, catalogue, (30) 850.
treatise, (36) 382. Maltase—	western Montana, relation to agriculture and
as affected by antiseptics, (28) 503. distribution and function in plants, (35) 413, 414.	spotted fever, (27) 52. purasites of, (26) 882.
formation and regulation by mold fungi, (31)	pattern developemni in, (32) 766. small, of North America, (39) 759.
730. in alfalfa, (32) 411. in cereals, (31) 204.	studies on number of pipples in. (38) 65.
in resting potato tubers, (35) 634.	ungulate, in British Museum, (30) 767. weight of heart, (28) 778. weight of lungs, (29) 476.
retention in blood serum of hungry and fed ani- mals, (30) 670.	wild, domestication and accumatization, (20)
Malted milk, microanalysis, (40) 509. Malting operations, barley substitute in, (40) 808.	668. wild, of Canada, (37) 757.
Malting power of barley, (39) 232. Maltose—	Mammary— botryomycosis in mares, (31) 184.
absorption in the intestines, (28) 763.	gland—
acetylated derivatives, optical rotatory powers, (36) 202.	enzyms in, (32) 411. extract, effect on milk production, (37) 173.
and glucose, comparison, (31) 762. determination, (28) 709; (34) 611.	lactase of, (30) 204. secretion as affected by animal extracts,
determination in plants, (35) 206. determination in presence of other sugars, (32)	(26) 370. secretion as factor of safety for the suckling,
112. effect on action of alcohol on plant cells, (34) 333.	(40) 661.
effect on ammonification, (28) 718.	secretion in, (27) 375. secretion physiology, (39) 678, 679. studies, (40) 467. synthetic capacity, (40) 72.
heat of combustion, (26) 160. hydrolysis by hydrochloric acid, (33) 803.	synthetic capacity, (40) 72.

Mammitis—	Mangarese-Continued
bovine, (35) (81, 682, (33) 84, 893	as plant food, (34) 30%.
hovine—	carbonate, fertilizing value, (28) 735; (33) 326; (34) 331.
immunization, (30) 581. leucocyte test for, (31) 200.	carbonate, oxidation by microles, (32 514
of human origin, (al) 182.	chlorid as treatment for night soil, (26) 425.
leucocyte test for, (31) 209. of human origin, (61) 582, therapeuties of, (29) 500, treatise, (39) 800	chlorid, effect on plant growth, (35) 131.
effect on enzym content of milk, (27) 287.	effect on growth of sugar heets, (31) 126.
effect on enzym content of milk, (27) 287. effect on milk, (32) 478.	effect on nitrification, (34) 623.
following foot and mouth disease, (33) 150. gangrenous, in sheep and goats, immunization,	fortilizing value, (27) 327.
gaingtonous, in succe and golds, indiamination,	solubility in soils, (37) 18. toxicity toward plants, (33) 327.
milk, detection, (28) 680; (39) 111.	concentration in surface soils, (31) 720.
milk, hemolytic action, (27) 782. necrotica, unusual complication of, (26) 284.	determination, (26) 109, 311; (38) 204.
notes, (31) 676.	determination in— drinking water, (31) 806.
streptococcie, prevention, (26) 683.	minerals and rocks, (31) 16.
studies, (40) 87. treatment, (32) 184, 479; (37) 277; (38) 286; (40)	plants, (29) 797.
778.	rocks, slags, etc., (30) 505. soils, (28) 111, 201; (31) 206.
tuberculous, in cows, (38) 183.	water, (26) 21.
Mamon as stock for cherimoga and atomoga, (32) 143.	dioxid, effect on germination of seeds, (29) 528.
Man—	dioxid, fertilizing value, (36) 220.
albinism in, monograph, (31) 467. animal parasites of, (36) 354.	effect on— Aspergillus spp., (27) 129, 228; (29) 30.
animal parasites of, (36) 354. as a machine, treatise, (31) 662.	formation of chlorophyll, (29) 323.
as affected by muscular work, (28) 168.	hemp, (33) 432. legume bacteria, (29) 733.
basal energy requirements, (35) 371. calorimetric observations on, (27) 307, (30)	metabolism of Aspergillus niger, (30) 630.
262; (32) 257; (33) 756.	nitrogen fixation by plants. (38) 122.
color inheritance in, (40) 870.	nitrogen fixation by plants, (38) 122. nodule bacteria of legumes, (33) 820; (34) 31.
dietary studies. (27) 666.	pineapples, (27) 842; (36) 538, 546. plant cells, (27) 826.
digestion experiments, (28) 564; (29) 865; (31) 65, 161; (34) 167, 659. double formations or composite monsters of,	plant growth, (27) 129; (28) 328; (30) 823,
double formations or composite monsters of,	plant growth, (27) 129; (28) 328; (30) 823, 824; (32) 129; (36) 520.
(97) 576	plants, (36) 432.
embryonic deformities in, (27) 274.	potatoes, (35) 634. seed germination, (20) 131.
food requirements, (28) 260.	seed germination, (20) 131. soils and plants, (40) 820. sugar beets, (34) 88. vegetation, (33) 80.
fungus parasites of, (32) 271.	sugar beets, (34) 38.
growth of the body, (40) 872.	fertilizers, notes, (31) 220.
embryonic deformities in, (27) 274. fasting experiments, (28) 260. food requirements, (28) 290. fungus parasites of, (32) 271. growth of the body, (40) 872. hog erystpolas affecting, (29) 780. idosyneracies toward dict, (27) 460. immunization, acquiret the propulses, (29) 881	fertilizers, notes, (31) 220. fertilizing action, (26) 727; (27) 628, 629. fertilizing value, (27) 128, 500; (28) 34, 125, 820;
imminimation against tablecatosis, (25) 104.	fertilizing Value, (27) 128, 500; (28) 34, 125, 820;
infection with avian tuberculosis, (26) 583.	(39) 749. in acid soils, (39) 627; (40) 728.
insects affecting, (27) 53, 453, 552; (28) 248, 554;	animal organs, (30) 562.
inheritance in, (28) 876; (29) 769. insects affecting, (27) 53, 453, 552; (28) 248, 554; (29) 252; (30) 53; (32) 448; (33) 746; (34) 651; (35) 853; (37) 560; (38) 459.	animals, (27) 500, 670. insect flowers and flower stems, (38) 206.
insects affecting, treatise, (33) 856; (37) 156, 760.	Kentucky soils, (31) 720.
lime requirements, (30) 367.	laxative drug plants, (38) 506. leaves, (29) 628.
malta fever affecting, (26) 84. measurement of surface area, (34) 68; (35) 369;	leaves, (29) 628.
	natural waters, (35) 424.
mechanical efficiency, (32) 258. Mendelian characters in, (28) 370, 531. metabolism during rest, (32) 165. metabolism experiments, (26) 161, 764, 865; (27) 366, 606; (28) 808; (29) 62, 164, 165; (31) 362, 465; (33) 754; (34) 68; (37) 266. parasitic amebae of, (26) 375.	leguminous plants, (37) 28. natural waters, (35) 424. pineapple soils, (29) 210. plants, (27) 830; (29) 28; (30) 30, 31; (38) 409.
Mendelian characters in, (28) 370, 531.	plants, (27) 830; (29) 28; (30) 30, 31; (38) 109.
metabolism experiments. (26) 161, 764, 865;	plants and animals, (31) 220. nw linseed oil, (23) 714. South Australia colle (31) 720
(27) 366, 666; (28) 868; (29) 62, 164, 165; (31)	
362, 465; (33) 754; (34) 68; (37) 266.	the blood, (30) 562, vogetable food products, (32) 628, woeds, (28) 432, wheat, (31) 339.
plague-like disease of brown squirrels affecting,	woeds, (26) 432.
(2.1) OFF	wheat, (31) 339.
(34) 365. power, measuring, (27) 666. puriu metabolism in, (29) 63; (33) 263. respiration experiments, (28) 509; (34) 260. sex determination in, (26) 773. skull measurements, (27) 69. stomach movements in, (28) 567. temperatura fluctuations in, (27) 768; (32) 564.	occurrence and rôle in plants, (37) 130.
respiration experiments, (28) 509: (34) 260.	oxid as fertilizer, (27) 726. oxid, effect on nitrogenous compounds, (27) 726.
sex determination in, (28) 773.	phosphate, fertilizing value, (31) 823.
skull measurements, (27) 69.	relation to enforosis, (33) 522.
temperature fluctuations in, (27) 768; (32) 564.	relation to protein formation in plants, (33) 725. removal from ground water, (27) 511
tick paralysis in, (30) 182.	rôle in growth of Aspergillus niger, (29) 210.
urine and other exerctions of, treatise, (20) 750 working power as affected by breakfast and	salts, effect on-
GIUGIII, (39) 00,	ammonification and nitrification, (36) 326;
Manatee-	(37) 126. catalase, (28) 504.
grass, analyses, (49) 862. use as food, (40) 862.	ferments, (26) 309. growth of sugar beets, (35) 217.
Mandarin—	growth of sugar beets, (35) 217.
black spot, notes, (31) 843.	nitric-nitrogen accumulation, (40) 722.
black spot, treatment, (32) 445. brown spot, notes, (34) 644.	solubility of phosphates, (37) 323. sugar beets, (31) 233. wheat, (31) 218.
brown spot, treatment, (37) 352; (38) 455.	wheat, (31) 218.
Mandelic nitrile, effect on plant growth, (37) 632.	salts, fertilizing value, (3J) 627, 824; (32) 725. salts, toxicity in soil, (36) 515.
Manganeso—	siag, iertilizing value, (38) 728,
agrogeologic studies, (27) 500; (28) 30, 626. and iron, antagonistic action on wheat, (36) 731.	soil concretions due to, (32) 215. solubility in soils, (28) 813.
as fertilizer, (28) 523.	solubility in soils, (28) 813. sulphate, action in wine fermentation, (33) 507.
as fertilizer for sugar beets, (27) 643; (35) 736.	ambresod mornit in 11th formandital (11) age a

Manusanasa - Continuad	35
Manganese—Continued. sulphate, offeet on—	Mangels—Continued. from same seed ball, characteristics, (31) 633.
am monification, (28) 724.	home-grown seed, (40) 340.
castor bean lipase, (29) 713.	inheritance of sugar and dry matter in. (29) 270
castor bean lipase, (29) 713. germination, (30) 332.	insects affecting, (26) 553.
growth of barley, (32) 121.	rrigation experiments, (27) 531; (31) 732. liming experiments, (30) 724; (31) 820; (40) 322.
nitrogen-fixing bacteria, (38) 429. plant growth, (30) 130.	manurial value of tone (20) 826 (40) 322.
plants, (27) 130.	manurial value of tops, (39) 836. new scheme for fertilizing, (26) 630.
powdery mildew infection, (33) 244.	poisoning of cattle and pigs by, (27) 780.
soil acidity, (37) 23. sugar beets, (26) 225.	production and use, (26) 132.
Sugar Deets, (26) 225.	radioactive fertilizers for, (31) 31, 129.
vegetation, (26) 226. sulphate—	reducing and nonreducing sugars in, (29) 111.
fertilizing value, (26) 126; (27) 628; (29) 151;	relation between size of seed and yield, (26) 434. relation between weight, specific gravity, and
(31) 31; (34) 331, 632; (36) 124; (39) 729;	dry matter content, (26) 437.
(40) 440.	seed from different sources, (40) 735.
for grapes, (29) 838. hydrolysis and oxidation in soil, (39) 522.	seed production, (33) 226.
toxicity toward plants, (30) 128; (38) 628.	seeding experiments, (29) 224, 432. selection experiments, (37) 32.
Manganous phosphate, fertilizing value, (36) 626.	siloing, (40) 431.
Mange—see also Cattle, Dog, Horse, and Sheep	sliced, fermenting with lacto-pulp, (27) 170.
mange or scab.	steaming, (39) 269.
acari, detection, (33) 281.	sugar content as affected by sodium manures,
demodectic, in swine, (37) 477.	(28) 34. thinning experiments, (29) 432.
parasitic, in England, (32) 271.	v. corn for forage, (28) 41.
parasitic, in Great Britain, (34) 382; (36) 378.	
parasitic, treatment, (39) 683.	v. sugar beets for western Nebraska, (32) 224.
treatment, (35) 279; (39) 489, 683.	Varieties, (26) 232, 331, 436, 537, 631, 835; (27)
Mangel— aphids, notes (29) 454.	v. Shage 107 mils production, (34) 070. v. Sugar beets for western Nebraska, (32) 224. varieties, (26) 232, 331, 436, 537, 631, 835, (27) 32, 334, 531, 637, 736; (29) 228, 530, 830; (30) 33, 134, 834; (31) 133, 736, 829; (32) 37, 132, 431, 528, 532, 630; (33) 33, 330, 631; (34) 229, 865; (35) 637; (30) 133, 735; (37) 32, 222; (38) 31, 482. varieties, classification, (27) 31. variety tests, (39) 128, 336, 442, 634; (40) 431, 735 yield as affected by wind-breaks, (28) 40. vield of total nutrients, (39) 336.
aphids, notes, (29) 454. crown gall, notes, (27) 649; (34) 844. diseases, notes, (32) 544; (36) 47, 541.	528, 532, 630; (33) 33, 330, 631; (34) 229, 865;
diseases, notes, (32) 544; (36) 47, 541.	(35) 637; (36) 133, 735; (37) 32, 228; (38) 31, 482.
ny, see regomyla nyoscyami.	varieties, classification, (27) 31.
juice, thickened, carbon dioxid formation in, (40)	Variety tests, (39) 128, 336, 442, 634; (40) 431, 735
615. leaves as source of potash, (34) 327.	yield of total nutrients, (39) 336.
leaves, carbohydrates in. (28) 128.	yield on alfalfa stubble, (33) 828.
rot, notes, (26) 446.	yields, (39) 334; (40) 734.
seeds in Denmark, (37) 742.	Mangers—
Mangels— analyses (26) 132: (27) 334 460 672: (28) 463:	construction, (28) 386.
(32) 166, 465; (33) 759; (35) 562; (36) 65; (37)	sanitary, for dairy barns, (33) 489. Mangifera indica, new beetle affecting, (26) 151.
analyses, (26) 132; (27) 334, 469, 672; (28) 463; (32) 166, 465; (33) 759; (35) 562; (36) 65; (37) 233; (38) 665, 666.	Manginia ampelina, studies, (40) 850.
analyses and feeding value, (32) 461.	Mango-
and sugar beets, comparative yields, (40) 431.	anthracnose, notes, (27) 750; (35) 153. anthracnose, studies, (30) 451. bacterial disease, (29) 45; (30) 747; (34) 242, 447, bark borer, notes, (29) 457.
aphids affecting, (28) 252. as affected by spacing, (31) 633.	hostorial disassa (20) 45: (20) 747: (24) 242 447
silage crop, (39) 134.	bark borer, notes, (29) 457.
substitute for concentrates for cows, (33) 174.	black spot, studies, (39) 149. disease in Yucatan, (37) 755.
winter feed for poultry, (32) 570.	disease in Yucatan, (37) 755.
ash analyses, (29) 861.	diseases, algal, (40) 48. diseases and pests in Mysore, (37) 657.
Barres, history in Denmark, (37) 736. calcium cyanamid for, (31) 524.	diseases treatment, (26) 841.
carbohydrates in, (36) 125.	diseases, treatment, (26) 841. fruit disease, notes, (34) 442; (37) 838. fruit fly, notes, (26) 354; (27) 359; (29) 453; (40)
carbohydrates in, (36) 125. composition as affected by fertilizers, (31) 736.	fruit fly, notes, (26) 354; (27) 359; (29) 453; (40)
composition as affected by sodium salts, (29)	56.
420. composition during storage, (32) 121.	hopper, remedies, (38) 360. mildew, notes, (38) 548.
continuous culture, (29) 227.	rash, notes, (33) 164.
cost of production, (26) 637; (27) 530; (28) 41;	rash, notes, (33) 164. seed weevil, notes, (27) 255.
(32) 530.	tree Dorer, notes. (40) 005.
culture, (27) 32, 435; (28) 42; (31) 35.	weevil, notes, (27) 759; (32) 352. Mangoes—
experiments, (20) 329; (27) 33; (28) 531; (29)	analyses, (32) 761.
experiments, (20) 329; (27) 33; (28) 531; (29) 427; (30) 133; (32) 132, 430, 431; (33) 830;	analyses and use, (30) 363.
(31) 34, 228; (36) 32, 436; (37) 230, 435, 733;	artificial cross fertilization, (27) 844.
(38) 536, 825; (39) 229, 437; (40) 625, 735.	bark grafting, (35) 538. black fly on, (39) 864.
in Antigua, (40) 522.	breeding experiments, (37) 142.
Montana, (33) 526. Rhodesia, (27) 32, 637.	classification, (32) 745.
South Dakota, (40) 32. on moor solls, (40) 523.	cold storage of, (32) 439.
on moor soils, (40) 523.	culture, (31) 339; (33) 342; (35) 542.
on muck soils, (33) 33. digestibility, (39) 171.	and canning, (35) 556.
dry matter content, (26) 436; (31) 233.	experiments, (27) 143; (32) 742; (36) 340; (40)
effect on following crop, (40) 623. effect on milk and butter, (34) 570.	339.
effect on milk and butter, (34) 570.	in California, (26) 743.
electroculture, (27) 231; (28) 533; (40) 428.	in California, (26) 743. Guam, (30) 41. India, (29) 42.
ether extract of, (28) 201. feeding value, (38) 665; (39) 777. fertilizer experiments, (26) 231, 324, 330, 436, 537, 630, 631, 632, 833, 836; (27) 53, 334, 422, 530, 724, 832; (28) 533; (29) 125, 213, 227, 228, 319, 830; (30) 134, 428, 437, 632, 637; (31) 133, 328, 829; (32) 431, 532, 630; (33) 326, 831; (34) 519; (36) 121, 425, 529, 735, 833; (37) 533; (39) 621, 473, 837; (40) 622, 735.	Philippines, (34) 635.
fertilizer experiments, (26) 231, 324, 330, 436,	Porto Rico, (38) 747.
537, 630, 631, 632, 833, 835; (27) 32, 334, 422,	Philippines, (34) 635. Porto Rico, (38) 747. East Indian varieties, tests, (33) 535.
530, 724, 832; (28) 538; (29) 125, 213, 227, 228,	embryony of, (28) 841. flowering and pollination, (35) 538. fungus diseases of, (26) 445. germination tests, (36) 340. history in Florida, (37) 745. host plant of fruit fly, (26) 758.
319, 830; (30) 134, 428, 437, 632, 637; (31) 133,	nowering and polimation, (35) 035.
328, 829; (82) 431, 532, 630; (33) 326, 831; (34) 519; (36) 121, 425, 529, 735, 833; (37) 533; (39)	germination tests, (36) 340.
621,738; (40) 622, 735.	history in Florida, (37) 745.
for cows, (29) 577; (38) 477.	host plant of fruit fly, (26) 758.

Mangoes-Continued.	Manual training—
improvement, (38) 842.	in elementary schools, (29) 297. graded schools, (34) 599.
in Porto Rico. (40) 44.	graded schools, (34) 599
incents affecting (26) 354 841 856 (27) 453 857	high schools, (31) 394.
insects affecting, (26) 354, 841, 856; (27) 453, 857; (34) 349; (36) 457.	
port bootle offeeting (26) 151	Iowa schools, (35) 592.
new beetle affecting, (26) 151.	New Mexico, (29) 92.
pollination, (37) 835.	rural schools, (34) 395 schools, (30) 794.
propagation and grafting, (29) 234.	senools, (30) 794.
propagation by inarching, (31) 441; (32) 741;	Wisconsin, (33) 195
(37) 743.	instruction in Great Britain, (30) 299.
recipes, (28) 660, 863.	outlines in, (33) 297
salt as fertilizer for, (32) 324.	teacher training school in, (30) 597.
scale insects affecting, (26) 553.	Manure—see also Cow, Poultry, Sheep, etc.
treatise, (26) 841.	abattoir, composition and use, (39) 117.
varieties, (27) 842; (29) 637; (34) 40.	action, (26) 424
Mangosteens-	after effect. (29) 729
analyses and use, (30) 363.	after effect, (29) 729. after effect, (29) 729. analyses, (26) 715; (28) 266; (31) 122; (32) 565, 819 (34) 517; (36) 120; (38) 23, 411; (39) 217. analyses and use, (34) 519.
disease of, (33) 545.	(24) 517. (28) 190. (28) 92 411. (20) 917
discours treetment (26) 247	(04) 017; (00) 120; (00) 20; 411; (08) 217.
diseases, treatment, (36) 347.	analyses and use, (34) ore.
notes, (33) 841.	and fertilizers, handbook, (28) 538. fertilizers, textbook, (30) 24.
Mangrove-	iertilizers, textbook, (30) 24.
barks as source of tannin extracts, (28) 146.	
borer on cusaurina, (40) 860.	products of decomposition, (37) 813.
forests of British India, (40) 46.	application, (32) 818; (34) 517; (36) 325; (38) 829
leaf sap, osmotic concentration, (37) 632.	products of decomposition, (37) 813. application, (32) 818; (34) 517; (36) 325; (38) 829 applying with green manures, (32) 721. artificial, fertilizing value, (31) 732.
red, ecology and physiology, (37) 821; (38) 823 red, physiological studies, (39) 122.	artificial, fertilizing value, (31) 732.
red, physiological studies, (39) 122.	as affected by-
tannin extract, manufacture, (27) 210.	cake feeding, (30) 125.
Mangroves-	litter, (26) 424.
culture in Barbados, (28) 828.	maggot traps, (39) 562.
sap concentration, (40) 130.	sulphur, calcium sulphate, and acid phos
transpiration and osmotic pressure in, (30) 30.	shote (20) 10
	phate, (38) 19.
Mani cimarrona, culture, (34) 736.	as nutrient for soil bacteria, (34) 327.
Manihot—	phosphatic fertilizer, (39) 427.
disease, notes, (28) 552.	source of energy in nitrogen fixation, (32) 515
glaziovii	source of phosphoric acid, (26) 123.
anatomy, (27) 44.	top-dressing for hay, (28) 325.
blooming habit and seed production, (28)	ash, analyses, (35) 328.
744.	ash, fertilizing value, (36) 228.
collection of latex from, (26) 444.	availability of nitrogen in, (35) 123, (39) 817.
culture in East Africa, (30) 239.	bacteriological-chemical investigations, (28) 220
culture in Middle Kongo, (33) 646.	bacteriological tests for, (26) 322.
culture in Uganda, (35) 544.	baladi and kufri, fertilizing value, (38) 233.
insects affecting (28) 555	
insects affecting, (28) 555.	boron-treated, (39) 429.
latex of, (31) 128.	boron-treated, use, (34) 626. broadcasting v. hill fertilizing, (39) 520. care and use, (30) 628.
new coagulant for, (26) 141.	broadcasting v. hill ierthizing, (39) 520.
plantings in Kongo, (26) 50	care and use, (30) 628.
tapping experiments, (26) 443, 745; (29) 843;	changes in storage, (31) 320; (39) 216.
(31) 241.	collection from cities, (37) 521.
Manila—	changes in storage, (31) 320; (39) 216. collection from cities, (37) 521. compensation for under tenancy, (29) 420.
fibers, distinguishing in rope, (39) 15.	composition, (27) 420.
rope fastenings, tests, (33) 190.	COMPOSITION AND USE. (56) 425.
rope, manufacture, (29) 86.	composition and value, (33) 516.
rope, manufacture, (29) 80. wastings, analyses, (28) 523. Manimanihan, notes, (26) 302; (30) 230.	conservation, (36) 723, 817. conservation and use in Pennsylvania, (39) 117.
Manimanihan, notes, (26) 362; (30) 230.	conservation and use in Pennsylvania, (39) 117.
Manioc, see Cassava.	conservation as affected by bedding material,
Manitoba Agricultural College, notes, (34) 498.	(39) 621.
Manna-	decomposition (25) 426
ash, composition and adultration, (33) 443.	decomposition, (35) 426. decomposition in soil, (38) 623.
Boor, varieties, (30) 435.	destruction of fire larges in (08) see, 197, 059
	destruction of fly larvae in, (26) 656; (37) 853.
in gymnosperms, (37) 710.	determination in milk, (39) 882.
Manniophyton africanum, description, (28) 829;	disposal in cities, (30) 720.
(30) 35.	disposal in relation to livestock diseases, (37)
Mannite-	780.
antizymotic action, (31) 815.	distribution and utilization of active principles,
as source of carbon for molds, (30) 226. determination, (26) 709.	(28) 124.
determination, (20) 709.	effect on→
effect on ammonification, (28) 718.	action of fertilizers, (26) 522.
effect on nitrate formation, (36) 321.	apples, (29) 438.
estimation, (33) 612.	availability of phosphates, (28) 815; (38) 325;
extraction from asparagus juice, (27) 502; (31) 10.	(39) 118, 625, 822.
in silage and its use in explosives, (37) 801.	bacterial activity in soils, (26) 31; (31) 121;
isolation from soils, (28) 418.	(20) 016, (25) 016
Mannitol-	botanical composition of herbage, (33) 227.
decomposition by Bacillus coli communis, (38)	burning quality of tobacco, (38) 239.
709.	composition of beets (31) 736
in Fucus and Laminaria, (29) 566.	composition of cereals (34) 920: (27) 897
in silage, (39) 107.	composition of mondow how (24) 620
occurrence in palm saps, (30) 16.	botanical composition of herbage, (33) 227. burning quality of tobacco, (38) 239. composition of beets, (31) 736. composition of cereals, (34) 230; (37) 827. composition of meadow hay, (34) 620. composition of soils, (29) 416, 417. composition of wheat. (28) 140.
d-Mannakatahantasa ahamistra at (27) 0	composition of wheat (99) 410, 417.
d-Mannoketoheptose, chemistry of, (37) 9. Mannose—	
	corn, (37) 440.
crystalline, preparation and mutarotation, (37)	decomposition of green manure, (32) 514; (34) 129; (36) 817; (39) 725.
201.	(34) 129; (36) 817; (39) 725.
toxicity for green plants, (38) 224.	foot-and-mouth disease virus, (29) 283.
Manomera blatchleyi, notes, (40) 353. Manometer, use, (28) 631; (29) 422.	germination of Orobanche crenata, (31) 634.
Manometer, use, (28) 631; (29) 422.	grapes, (31) 339.
Mansakia n.g. and n.sp., description, (38) 857.	grass lands, (30) 133.
Mansonia-	grass lands, (30) 133. inoculated soil, (39) 519.
eggs and oviposition in, (36) 552.	irrigated corn, (31) 428.
humeralis n.sp., description, (36) 552.	lime requirement of soils, (28) 122; (37) 125.
titillans in Canal Zone, (40) 653.	maturity of cotton. (31) 40

Manure-Continued.	Manusa Continued
effect on—continued.	Manure—Continued. nitrogen-assimilating organisms in, (38) 27.
nitrification in soils, (36) 118.	nitrogen availability. (40) 125
nitrogen balance in soil, (37) 627.	nitrogen availability, (40) 125. nitrogen fixation in, (38) 325.
nitrogen balance in soil, (37) 627. nitrogen content of soil, (36) 218; (38) 213.	
nodule production in soy beans, (40) 828.	on acid soils. (39) 326.
oats, (39) 639.	on alkali soils, (39) 215.
peach trees, (37) 40. retention of bases by soils, (32) 121.	organic and inorganic, comparison, (35) 425.
relegation of bases by soils, (32) 121.	organic, efficiency in dry years, (30) 626. organic, nitrification, (31) 723.
"slick enote" (20) 290	organic, nitrineation, (31) 723.
soil acidity, (37) 23: (38) 20.	paunch, analyses, (26) 715.
soil bacteria. (27) 518: (35) 814: (37) 23, 120.	peat litter v. straw for, (33) 817. pit, fertilizing value, (33) 131.
soil fertility, (29) 317.	pits and equipment, plans, (38) 693.
soil moisture, (38) 320, 321; (39) 617.	pits and tanks, (38) 86.
salts and nitrates in soil, (36) 816. "slick spots," (39) 229. soil acidity, (37) 22; (38) 20. soil bacteria, (27) 518; (35) 814; (37) 23, 120. soil fertility, (29) 317. soil moisture, (38) 320, 321; (39) 617. soil nitrogen, (35) 218. soil temperature, (20) 620.	pits, concrete, construction, (27) 89.
Bon comperatore, (25) 020.	preservation, (27) 623; (28) 325, 424; (33) 325
solubility of inorganic soil constituents, (37)	722; (38) 19.
422.	produced by steers on different rations, (40) 126.
riald of annias (26) 541	production, composition, and value, (28) 722.
export from India, (33) 327.	reinforcing with phosphates, (34) 621.
tobacco quality, (38) 37 yield of apples, (26) 541. export from India, (33) 327. fermentation, (36) 23.	residual effects (26) 331: (31) 310 516: (24) 29
iermentation, prevention, (20) 724.	relation to grape red spot, (26) 145. residual effects, (26) 331; (31) 319, 516; (34) 22 (36) 829; (37) 133; (38) 218, 432, 527.
fermenting, effect on phosphates, (29) 23. fertilizing values, (26) 129, 238, 323, 329, 330, 424, 522, 534, 535, 536, 629, 630, 638, 639; (27) 137, 336,	review of investigations, (27) 128.
fertilizing values, (26) 129, 233, 323, 329, 330, 424,	rock rabbit, analyses, (40) 621.
522, 534, 535, 536, 629, 630, 638, 639; (27) 137, 336,	sampling device for, (37) 711.
337, 420, 519, 530, 532, 534, 532, 534, 535; (28) 42,	secondary effects on soil, (32) 121; (40) 515.
47, 124, 120, 221, 320, 330, 320, (28) 32, 30, 227, 497 632 737 830 831 (30) 134 330 636 731	sheds, concrete, construction, (30) 175, solid and liquid, handbook, (30) 125.
820, 821, 829, 835; (31) 37, 122, 124, 517, 820, 820,	solid and liquid, finid book, (30) 125.
893; (32) 530, 629; (33) 432, 516, 624, 625, 722,	spreader with moving box bottom, (27) 588.
522, 534, 535, 536, 629, 630, 638, 639; (27) 137, 336, 337, 420, 519, 530, 532, 534, 832, 834, 855; (28) 42, 47, 124, 125, 221, 325, 338, 520; (29) 32, 35, 227, 427, 632, 737, 830, 831; (30) 134, 230, 526, 731, 820, 821, 829, 835; (31) 37, 122, 124, 517, 820, 829, 833; (32) 530, 629; (33) 432, 516, 624, 625, 722, 729, 731, 732, 828, 330, 831; (34) 128, 219, 621, 630, 723, 735; (35) 22, 30, 125, 323, 438, 519, 535, 536, 629, 815; (36) 121, 217, 228, 425, 528, 533, 622, 735, 829, 839; (37) 214, 229, 320, 534, 626, 731; (38) 33, 36, 120, 133, 134, 217, 218, 219, 228, 238, 239, 244, 298, 337, 422, 431, 432, 438, 634, 620, 630,	spreaders, liquid, tests, (30) 292.
630, 723, 735; (35) 22, 30, 125, 323, 438, 519, 535,	spring v. winter application, (22) 532; (33) 722, stable v. green manures, (40) 126, storage experiments, (32) 818; (33) 423; (34) 517 (37) 628; (39) 216, 467, 519, 616.
536, 629, 815; (36) 121, 217, 228, 425, 528, 533,	storage experiments, (32) 818; (33) 423; (34) 517
623, 735, 829, 839; (37) 214, 229, 320, 534, 626, 731;	(37) 628; (39) 216, 467, 519, 616.
(38) 33, 36, 120, 133, 134, 217, 218, 219, 228, 238,	straw, denitrifying action of, (26) 424.
239, 244, 298, 337, 422, 431, 432, 438, 534, 620, 630, 634, 825; (39) 22, 32, 116, 130, 137, 227, 334, 434,	straw, denitrifying action of, (26) 424. substitutes for, (35) 323; (40) 724. tanks and pits for conservation, (38) 86.
435, 436, 437, 445, 446, 529, 530, 531, 725, 745, 816,	tanks and pits for conservation, (38) 86.
817, 834; (40) 135, 228, 229, 319, 331, 333, 422,	time and depth of application, (35) 425.
429, 430, 431, 432, 516, 630, 636.	top-dressing v. plowing under tor wheat, (36)
	treatise, (29) 820; (34) 716; (37) 215.
for apples, (33) 240. arid soils, (34) 621. coffee, (31) 637.	treatise, (29) 820; (34) 716; (37) 215. treatment for fly control, (40) 356. use, (31) 421; (36) 119, 329, 817; (38) 497.
coffee, (31) 637.	use, (31) 421; (36) 119, 323, 817; (38) 497.
grass lands, (29) 531; (32) 530.	use, (31) 421; (36) 119, 323, 817; (38) 497. use against cotton rust. (32) 735. in Dutch East Indies, (30) 697. greenhouses, (33) 42. Holland, (30) 720. wur time, (38) 723. western North Dakota, (33) 225. of carbon dioxid with, (32) 322. on more soil, (32) 132.
greenhouse crops, (40) 739, 741.	in Dutch East Indies, (30) 697.
hops, (29) 534.	greennouses, (35) 42,
meadows, (33) 330. Missouri soils (33) 212 213 214 215	Wur time (38) 723
moor soils. (40) 230.	western North Dakota, (33) 225.
Missouri soils, (33) 212, 213, 214, 215. moor soils, (40) 230. muck soils, (33) 33.	of carbon dioxid with, (32) 322.
mushrooms, (26) 440.	on moor soils, (38) 132. on peat soils, (37) 134, 135; (39) 437. with sodium nitrate, (37) 124.
mushrooms, (26) 440. peat soils, (37) 720.	on peat soils, (37) 134, 135; (39) 437.
sweet potatoes, (31) 437. wheat, (40) 730, 731.	with sodium nitrate, (37) 124.
Wheat, (40) 730, 731.	dulization of microgen from, (38) 212.
formation of coloring matter of, (30) 28.	v. clover as source of humus, (40) 724.
freight rates on, (34) 392.	v. fertilizers, (35) 815. v. fertilizers for carnations, (32) 747.
fresh and decomposing, bacteriology, (89) 23. gain of nitrogen in, (36) 217.	valuation. (38) 894.
handling, (39) 621. heap as affected by snow, (39) 427.	valuation, (38) 894. value and conservation, (33) 98, 325; (38) 693.
heap as affected by snow, (39) 427.	value and use, (28) 625.
heap, caring for, (40) 24. humification, (31) 120.	value on Indiana soils, (40) 514.
numineation, (31) 120.	winter v. spring application, (26) 32.
imusion, enect on ammoninestion, (26) 124.	Manurial—
inoculating alfalfa with, (29) 332. kraal, analyses, (40) 621.	earths of Mysore, analyses, (28) 223.
	value of dairy feeds, (40) 126. value of grain and cake feeds, (39) 530.
action as affected by distribution in solls,	
(35) 518.	Manuring—
analyses. (31) 421.	autunin v. spring, (39) 621.
as source of potash, (34) 327; (37) 817. composition, (34) 23, 24. fertilizing value, (29) 427; (33) 25, 218, 219;	effect on soil moisture, (40) 430. experiments, (39) 335, 737, 813. experiments with irrigated crops, (40) 421.
composition, (34) 23, 24.	experiments with irrigated crops, (40) 421.
fertilizing value, (29) 427; (33) 25, 218, 219;	new basis for, (29) 516.
(84) 28, 820; (85) 126; (86) 529; (87) 739; (89)	new basis for, (29) 516. science of in Germany, (32) 620.
438.	treatise, (36) 114; (39) 724.
injurious to fish, (29) 821. loss of ammonia from, (31) 421.	Mapea radiata, structure and systematic position,
loss of nitrogen from, (34) 517.	(30) 51. Menle—
mixing with peat dust. (37) 216.	Maple— analyses and nutritive value, (35) 164.
preservation, (30) 427; (40) 723. tank for, (39) 519.	as affected by tarring roads. (26) 432.
tank for, (39) 519.	as affected by tarring roads, (26) 432. borer, notes, (28) 155.
utilization, (34) 298.	broadleaf, notes, (27) 846. buds as affected by ether, (26) 127.
loss of nitrogen from, (26) 522; (35) 426.	buds as affected by ether, (26) 127.
losses from, (33) 722. making and storing, (39) 519.	destructive distillation, (27) 745; (38) 80%.
making and storing, (89) 519.	discoloration in kiln, (34) 509.
making experiments, (81) 707.	disease, tumerous, (39) 353.
methods of applying, (88) 218.	diseases in Michigan, (38) 545.

Maple—Continued.	Marasmius—Continued.
diseases, studies, (33) 544.	oreades, hydrocyanic acid in, (26) 228.
distillation value, (32) 48.	oreades, studies, (24) 446.
nard, oil injury to, (31) 641.	perniciosus n.sp., description, (34) 847. plicatus, notes, (35) 653.
hard, volume tables for, (30) 744. injury by squirrels followed by fungi, (38) 646.	plicatus, notes, (35) 653.
leaf outter, notes, (28) 157.	saccharl, notes, (26) 143, 445, 553; (27) 749; (28) 649; (29) 647; (30) 541; (31) 746, (32) 643; (34) 442, 539, 811; (36) 541, 846; (37) 452, 753, 838;
leaf scale, woolly, notes, (26) 856.	442, 539, 811; (36) 541, 846; (37) 452, 753, 838
leaf scale, woolly, notes, (26) 856. leaf spot, biology, (26) 851.	(40) 47, 155, 848.
leat stem-noter, notes, (20) 800.	sacchari, studies, (33) 852; (38) 851.
leaf stem saw-fly, notes, (28) 351.	sarmentosus, notes, (37) 452,
leafhopper, notes, (34) 752. leaves, bronzing, (28) 330.	sp., studies, (27) 50. spp., effect on vegetation, (38) 222.
leaves, decomposition in soil, (40) 214.	spp., notes, (29) 152; (35) 214.
leaves, symbiosis with fungi, (37) 327.	spp. on cacao, (37) 349.
mites, new, notes, (30) 362.	spp. on sugar cane, (32) 442; (38) 550; (40) 157,
Nectria disease, notes, (38) 253. Norway, anthracnose oi, (36) 47.	844. Marattiaceae, mycorrhiza of, (37) 630.
Norway, measurements of hypocotyl, (28) 739.	Marc-
phenacoccus, notes, (29) 251.	conversion into fertilizer, (26) 819.
products—	feeding value, (32) 567.
adulteration, (40) 612.	fertilizing value, (29) 129.
analyses, (39) 15. cost of production, (38) 414.	March flies, of Australia and Tasmania, (26) 456. March fly, notes, (36) 552.
methods of analysis, (31) 610, 611; (32) 808;	Marchantia, chondriosomes, (39) 332.
(33) 208.	Marcottage, notes, (27) 537.
standards and analyses, (40) 864.	Mares—
pseudococcus or false scale, notes, (28) 752.	and foals, care, (37) 473.
root diseases, notes, (30) 147. rot, notes, (26) 752.	apparatus for collecting urine and foces, (28) 269. artificial insemination, (33) 571; (37) 473; (38) 169.
sap, bacterial flora of, (26) 825.	capsule breeding, (35) 377.
sap, bacterial flora of, (26) 825. sap, microorganisms of, (29) 113, 115, 157.	care and management. (29) 873.
scale	gestation period in, (28) 460, 469. milk, composition, (40) 775. pregnant, officiency for farm work, (33) 266.
oottony notes (26) 655; (27) 53, 755; (28)	pregnant officiency for form work (32) 266
cottony, in Wisconsin, (38) 155. cottony, notes, (28) 655; (27) 53, 755; (28) 156, 351; (29) 251; (30) 655; (33) 352; (36) 755; (37) 358, 459.	racing performances and broading value, (29)
755; (37) 358, 459.	773.
	short gestation in, (38) 576.
false cottony, notes, (26) 147. false, notes, (27) 755; (33) 253; (34) 752.	Margarin—see also Oleomargarine.
sirup—	accessory growth substance in, (38) 265. adulterated, detection, (28) 208.
adulteration, (33) 208. adulteration, detection, (27) 207; (31) 610,	analysis, miscibility curves in, (26) 508.
adulteration, detection, (27) 207; (31) 610,	as affected by preservatives, (20) 778.
611; (34) 807. analyses, (29) 115, 766.	decomposition by microorganisms, (28) 372.
and sugar, production, (29) 208; (39) 15, 418.	detection in butter, (26) 212, 410; (34) 13. detection of benzoic acid in, (28) 208.
and sugar, production, (29) 208; (39) 15, 418. as affected by microorganisms, (29) 113.	examination, (27) 412. manufacture, (30) 378; (38) 508; (39) 411. methods of analysis, (33) 258.
judging, (35) 12.	manulacture, (30) 378; (38) 508; (39) 411.
methods of analysis, (35) 206. methods of examination, (26) 661.	nutritive value, (37) 165.
production, (28) 344.	preservatives, detection, (31) 508.
remedying defects in, (29) 114.	preservatives, detection, (31) 508. vegetable, rancidity, (40) 714.
variation of analytical values, (32) 808.	Margaronia n.g. and n.sp., description, (38) 857.
sugar— analyses, (29) 766; (34) 460.	Margaropus— annulatus, see Cattle tick.
composition, (38) 8.	annulatus australis, notes, (28) 158; (30) 555.
density and porosity, (32) 47. industry in Canada, (30) 711; (33) 208.	microplus in Argentina, (40) 459.
industry in Canada, (30) 711; (33) 208.	microplus, oviposition of, (26) 760.
making schools in Quebec, (32) 698. manufacture, (29) 208; (33) 208.	spp., notes, (27) 865. Marginal points of blood of mammals, (32) 478.
methods of analysis, (27) 199; (35) 416; (38) 8.	Marguerite fly, studies, (32) 451.
notes, (39) 16, 418.	Mariaella dussumieri, notes, (26) 353. Marigold, cut, preservation, (31) 837
production, (28) 341.	Marigold, cut, preservation, (31) 837
sand, analyses, (23) 15. sand, composition, (33) 208.	Marigold, water requirement, (32) 127. Marine—
sycamore, witches' broom affecting, (29) 51.	algae, imbibitional swelling, (39) 731.
tissues, transformation of malic acid by, (27) 309.	algae, osmotic pressure in, (39) 223.
twig pruner, see Elaphidion villosum, wilt, studies, (39) 858.	animals as a source of oil and manure, (32) 219.
wood crossote, composition and toxicity, (37)	nber, description and use, (38) 529.
502.	manures, analyses, (28) 722. mud, analyses and fortilizing value, (37) 814.
woods of United States, (30) 46.	Marioram adulterant, detection, (39) 669.
Maples— destruction by Chinese cotton scale, (26) 556.	Market— bureaus, State and Federal, (37) 888.
insects affecting, (40) 554, 855.	cereal, of Rotterdam, (39) 797.
Norway, Nectria parasitic on, (33) 249.	commission of California, (39) 90.
silver, analyses of seed, (39) 366. starch reserve in, (33) 523.	conditions in Berlin. (27) 363.
sterility, (37) 240,	conditions in Boston, (27) 463. conditions in Hawaii, (35) 190. conditions in New York City, (32) 89.
sugar, as affected by miscible oils, (33) 252.	conditions in New York City. (32) 89.
sterility, (37) 240. sugar, as affected by miscible oils, (33) 252. thrombotic disease of, (33) 249. Marabuntas of Georgetown Museum. (32) 758.	garden crops, organic matter for, (40) 134.
Marabuntas of Georgetown Museum, (32) 758, Marambamunga, composition, (28) 873	garden experimental and research station in
Marambamunga, composition, (28) 873. Maranko, notes, (29) 461.	Hertfordshire, (34) 199. gardeners' associations in Netherlands, (31)
IVIETS DOTUS SD., OVIDOSILION AND TARGING IN. (20) 457	691.
Maraschino cordials, notes, (32) 297. Maraschino, labeling, (28) 762.	gardening—see also Gardening and Truck
Marasmia trapezalis, notes, (28) 158.	gardening. handbook, (39) 843.
Marasmius—	in Ohio and Kanawha River valleys, (31)

Market-Continued.	Markets—Continued.
gardening—continued.	municipal, in Wisconsin, (28) 593.
in vicinity of Dresden, (32) 232.	municipal terminal, (40, 293. public, in Newton, Massachusetts, (35) 860. public, in United States, (38) 293.
treatise, (36) 639; (40) 536. gardens of South Australia, (40) 340.	public, in Newton, Massachusetts, (35) 860.
milk business of Detroit, (39) 182.	public, in United States, (38) 293.
municipal, in Newton, Massachusetts, (36) 289.	public, sanitary control, (36) 562. retail public, (33) 294.
prices, retail, digest of data, (32) 763.	
problems of Alaska, (39) 191.	Marl—
problems of Alaska, (39) 191. survey of Atlanta, Georgia, (37) 91.	analyses, (26) 127, 715; (27) 327; (29) 119; (32) 424; (33) 723; (35) 430; (36) 27, 821; (38) 626.
system in Chicago, (39) 797.	calcareous, use in agriculture, (40) 816.
train service, (37) 594.	clay, decomposition, (35) 119.
Marketing—	deposits in South Carolina, (34) 725.
agricultural products, (39) 296, 895; (40) 293, 294, 791, 792.	deposits in Virginia coastal plain, (29) 513.
and distribution, courses in, (34) 307.	effect on loamy sand, (29) 19. fertilizing value. (26) 725; (27) 128; (36) 122; (40)
and farm credits, book, (37) 391.	fertilizing value. (26) 725; (27) 128; (36) 122; (40)
assembling methods in, (33) 192.	021.
associations—	greensand, analyses and fertilizing value, (35) 817.
cooperative, (33) 91.	greensand, analyses and use, (29) 513.
cooperative, in Ontario, (33) 893. financing, (33) 294.	importance of fine grinding, (26) 324.
in Boson and West Pressie (04) 800	importance of fine grinding, (26) 324. phosphatic, analyses, (35) 428.
in Posen and West Prussia, (34) 893.	pumping experiments, (39) 393.
in Wisconsin, (28) 895. auction, (40) 489.	Marlettiella aleyrodesii n.sp., description, (28) 162 Marling, effect on clay soils, (30) 23.
bureau of, in Maine, (33) 92.	Marling, effect on clay soils, (30) 23.
butter and cheese by parcel post, (39) 182.	Marmalade adulteration, detection, (27) 806.
by freight car peddler, (39) 90.	Marmalades—
by parcel post, (39) 182, 543.	analyses, (28) 762. examination, (27) 268. judging, (29) 865.
car-lot distributions in. (34) 893; (40) 489.	examination, (27) 268.
centers, rest rooms in, (39) 496.	methods of analysis, (27) 613.
conegiate courses on, (40) 294.	methods of examination, (39) 611, 612.
community cooperation in, (30) 792. conditions in Salt River Valley, (39) 593.	preparation, (32) 253; (35) 419.
continuits in Suit River valley, (39) 586.	preparation from citrus fruits, (35) 113.
cooperative, (33) 294; (37) 391, 796, 888; (39) 496; (40) 488, 489.	Marmara—
cooperative, in France, (40) 688. cooperative, papers on, (29) 595.	elotella, life history, (38) 60.
cooperative, papers on, (29) 595.	n.spp., descriptions, (33) 748.
cooperative, treatise, (38) 595. county, in England and Wales, (40) 390.	opuntiella, notes, (28) 451.
county, in England and Wales, (40) 390.	Marmosa mexicana savannarum n.subsp., descrip
experiments, (31) 388. for the household, (39) 195.	tion, (37) 757.
	Marmota flaviventer, relation to spotted fever, (31)
improvement, (40) 489. in Canada, (38) 294. Hawaii, (37) 391. Idaho, (40) 689. Louisiana, (40) 92.	160.
in Canada, (38) 294.	Marmots—
Hawaii, (37) 391.	American, revision, (33) 57. ectoparasites of, (37) 879.
Idano, (40) 689.	relation to plague, (37) 180.
Note Torson (40) 500	susceptibility to pneumonic plague, (28) 180.
New Jersey, (40) 592. Washington, (40) 689. instruction in, (31) 192. law in Texas, (33) 492. laws in New York, (40) 390. livestock, (40) 488. methods in Monmouth Co., (39) 746.	Marrow cabbage—
instruction in, (31) 192.	as forage crop, (39) 338. cooperative experiments, (29) 138.
law in Texas, (33) 492.	cooperative experiments, (29) 138.
laws in New York, (40) 390.	culture, (27) 340.
livestock, (40) 488.	culture experiments, (28) 531.
methods in Monmouth Co., (39) 746. organization, cooperative, (32) 792. organizations in California, (38) 191.	culture for forage, (33) 34. culture for winter forage, (38) 735. culture in New Zealand, (27) 236.
organizations in Colifornia (38) 101	outture in Now Zooland (27) 228
namphlet. (34) 595	fertilizer experiments (29) 632
perishable products, (40) 488, 489.	fertilizer experiments, (29) 632. notes, (28) 796.
practices of Wisconsin and Minnesota cream-	V. TOOLISATIO-DERGED KRIE. (32) 827.
pamphiet, (34) 595. perishable products, (40) 488, 489. practices of Wisconsin and Minnesota creamories, (39) 580.	varieties, (33) 33.
problems, terminal, (35) 393.	Marrow mildew, notes, (37) 453.
producers' organizations for, (39) 796.	varieties, (33) 33. Marrow mildew, notes, (37) 453. Marrows, vegetable, notes, (29) 333. Mars, atmosphere of, (32) 210.
problems, terminal, (35) 393. producers' organizations for, (39) 796. relation of Government to, (35) 89; (40) 293. relation to cost of living, (29) 867.	
report on, (35) 296.	Marsh—
State departments of, (35) 497.	and swamp soils, notes, (27) 618.
teamwork in between farmer and agent, (39)	cat-tail, ecology of, (32) 151. crops, culture and selection experiments, (29)
496.	531.
Markets—	mud, analyses, (32) 424. near Madison, Wis., flora of, (32) 329.
American, symposium on, (30) 294. and rural economics, treatise, (31) 894.	near Madison, Wis., flora of, (32) 329.
hibliography (36) 769	of the southern Vendée, (30) 213.
city, in Minneapolis, (33) 492.	plants, fertilizing value, (38) 520. soils—
city, in Minneapolis, (33) 492. commissioner of British Columbia, report, (31)	characteristic weeds of, (26) 538.
090.	characteristic weeds of, (26) 538. improvement, (32) 31; (40) 587. management, (26) 95; (33) 325.
community, (39) 894.	management, (26) 95; (33) 325.
European municipal, conditions and manage- ment, (28) 763.	of eastern Officed States, (21) 618.
in Boston. (36) 593, 762-	of German North Sea coast, (30) 622.
in Boston, (36) 593, 762. Cleveland, (30) 295. Idaho, (38) 293, 294.	Marshes—
Idaho, (38) 293, 294.	sea, origin, (27) 513.
New Haven, Connecticut, (38) 595.	vegetation as indicator of quality, (40) 718. Marshmallows, analyses, (32) 560.
New Haven, Connecticut, (38) 595. New York, (38) 293. New York City, (28) 461; (30) 894.	Marsonia—
inspection, (36) 663.	carthami n.sp., description, (38) 648.
inspection in Virginia, (29) 766.	potentillae, pathological forms, (28) 545.
mechanism of, (28) 388.	rosae, notes, (32) 752; (36) 851.

Marssonina-	Matthiola—
kirchneri—	annua, bacteriosis of, (28) 449.
n.sp., description, (27) 354.	annua, mutation in, (37) 28.
n.sp., notes, (28) 851.	doubles in, (35) 730, 731.
panattoniana (Marssonia perforans)—	incana annua as a host of celworm, (34) 349.
notes, (27) 45.	inheritance of doubleness in, (31) 237; (36) 826.
studies, (39) 355.	inheritance of hoarmess in, (35) 731.
Marsupials, chromatin bodies in erythrocytes of,	mutant forms of, (28) 439. Maturation, early phases of, (26) 470.
(29) 478. Martin roost, remarkable, (39) 154.	Mauritius—
Martin slag, basic, fertilizing value, (34) 725.	beans as green manure, (37) 320.
Martynia louisiana seeds, composition, (34) 311.	binder twine from, (27) 531.
Marx, Karl, theories of, (29) 491.	Mauromyia pulla, notes, (34) 554.
Marvland-	May beetle—see also Phyllophaga and June beetle
College, notes, (26) 494, 796; (27) 697; (28) 697; (30) 95; (31) 99, 300, 496, 600, 695; (32) 497, 694; (33) 99, 197, 600, 794; (35) 500; (36) 98, 295; (37) 97; (38) 399, 699; (39) 96, 599; (40)	bird enemies, (34) 849; (40) 547. destruction by hogs, (37) 261. in Austria-Hungary, (33) 657.
(30) 95; (31) 99, 300, 496, 600, 695; (32) 497,	destruction by hogs, (37) 261.
694; (33) 99, 197, 600, 794; (35) 500; (36) 98,	in Austria-Hungary, (33) 657.
290; (37) 97; (38) 499, 699; (39) 90, 599; (40)	larvae in greenhouse soils, (34) 161.
98, 199. Station financial statement (27) 97	notes (28) 752 757: (30) 355: (33) 351: (34) 159
Station, financial statement, (27) 97. Station, notes, (26) 796; (28) 697; (31) 300, 600, 695; (33) 197, 6 0; (34) 695; (35) 500, 697; (36) 295; (38) 399; (39) 98, 399, 599; (40) 98, 199. Station, report, (30) 696; (33) 299; (34) 95; (37) 599; (38) 697; (40) 494. Station, report of director, (27) 97.	life history, (38) 767. notes, (28) 752, 757; (30) 355; (33) 351; (34) 158. notes and remedies, (29) 561.
695; (33) 197, 6 0; (34) 695; (35) 500, 697; (36)	parasites, introduction into Porto Rico, (31) 458
295; (38) 399; (39) 96, 399, 599; (40) 98, 199.	May beetles—
Station, report, (30) 696; (33) 299; (34) 95; (37)	new, of Porto Rico, (38) 161.
599; (38) 697; (40) 494.	new, of Porto Rico, (38) 161. of Illinois, (35) 158. revision, (35) 467. Maya farms, size of, (40) 688.
Station, report of director, (27) 97.	revision, (35) 467.
Mascarenhasia elastica, latex of, (31) 128. Mash meal, analyses, (38) 572. Mashyem kalai, description and culture, (40) 231.	Maya larms, size of, (40) 688.
Mash meal, analyses, (38) 572.	Maya, notes, (29) 59. Mayetiola destructor, see Hessian fly.
Masiarratides, now in South America (24) 65	Mayuen grass, notes, (26) 361.
Masiceratidae, new, in South America, (34) 65.	Mbori in camels, notes, (26) 85.
Maslin, production in Spain, (28) 736. Mason bees, treatise, (32) 758. Masonry, preventing dampness in, (28) 786.	Meadow—
Masonry, preventing dampness in, (28) 786.	culture tests in Jutland, (40) 136.
Massachusetts-	fescue, see Fescue.
('ollege—	foxtail—
agricultural education in, (38) 301.	midge, notes, (37) 463.
bibliography of, (40) 595. dedication of Stockbridge Hall, (34) 597.	on bog and moss soils, (40) 212.
dedication of Stockbridge Hall, (34) 597.	pollination experiments, (37) 735. yield and composition, (28) 834; (30) 189.
history (30) 807	grasses, water requirements, (33) 228.
dedication of Stockbridge Hall, (34) 597. function of, (28) 596. history, (39) 897. notes, (26) 96, 600, 694; (27) 197, 498, 697; (28) 93, 300, 396, 494, 600, 697; (29) 195, 300, 397; (30) 95, 396, 698, 797; (31) 197, 398, 496, 600, 695, 796; (32) 198, 396, 599; (33) 300, 699; (34) 96, 198, 295, 496, 600, 695; (35) 96, 397; (36) 98, 295, 695, 796; (37) 97, 497; (38) 97, 498, 797; (39) 696; (40) 98, 199, 497. Seculal compunission's report on (30) 298.	hay—
(28) 93, 300, 396, 494, 600, 697; (29) 195, 300,	analyses, (26) 369, 767; (30) 868.
397; (30) 95, 396, 698, 797; (31) 197, 398, 496,	as affected by long storage, (32) 363.
600, 695, 796; (32) 198, 390, 599; (33) 300,	composition as affected by fertilizers, (31)
699; (34) 96, 198, 295, 496, 600, 695; (35) 96,	524, 622.
397; (36) 98, 295, 695, 796; (37) 97, 497; (38)	digestibility, (30) 568.
97, 498, 797; (39) 696; (40) 98, 199, 497.	lime and phosphorus content, (26) 873.
openia commission o report out, (ou) 200.	production in United Kingdom, (26) 793. land, index to phosphorus and potash require
work of agricultural education department, (24) 296.	ments, (40) 22.
Federation of Rural Progress, (30) 198.	lark—
Station-	feeding habits, (28) 155; (29) 452.
financial statement, (26) 95; (28) 395. guide to plats, (38) 796.	notes, (29) 696.
guide to plats, (38) 796.	western, economic value, (29) 52; (30) 654.
notes, (26) 96, 396, 600; (27) 197, 397, 493,	oat grass, tall, culture experiments, (28) 532.
697, 900; (28) 93, 697; (30) 396; (32) 198, 396;	plant bug, studies, (40) 260.
(33) 300, 699; (34) 198, 295; (35) 397; (36)	Meadows—see also Grassland and Pastures.
98, 395, 695; (37) 97; (38) 600; (39) 599; (40) 98, 199, 497, 900.	and pastures, treatise, (26) 830. culture experiments, (28) 633; (29) 331.
report, (30) 197; (32) 291; (34) 294; (36) 195;	culture in Signariand (20) 580
(38) 298.	culture in Siegerland, (29) 589. culture on peat bogs, (37) 826. culture, treatise, (32) 88. establishment, (33) 332. fartilizer experiments, (26) 39, 230, 230, 424, 630.
report of director, (26) 95; (28) 395.	culture, treatise, (32) 88.
work of, (38) 304.	establishment, (33) 332.
Massaria n.spp. from Japan, (39) 753.	fertilizer experiments, (26) 39, 230, 329, 424, 629; (27) 529, 638, 725, 832, 833, 835; (28) 633, (39) 530, 632; (30) 134, 229, 526; (31) 821, 829; (33) 330, 527; (34) 620; (36) 529; (38) 432; (40) 136.
Massecuites—	(27) 529, 638, 725, 832, 833, 836; (28) 633; (29)
frothy fermentation, (40) 615.	530, 632; (30) 134, 229, 526; (31) 821, 829; (83)
tables for purity, (40) 116. treatment, (40) 510.	importance of, in dairying, (32) 870.
Massospora cicadina, notes, (28) 157.	in Wynming (30) 135
Mast, softening effect on pork fat, (37) 680.	in Wyoming, (39) 135. insects affecting, (37) 847.
Mastication, relation to peridental membrane,	irrigation experiments, (29) 427; (35) 637; (37) 84
(26) 360.	irrigation experiments, (29) 427; (35) 637; (37) 84 liming experiments, (29) 331; (37) 733. moorland, botanical composition, (37) 135.
Mastigosporium album, notes, (37) 247.	moorland, botanical composition, (37) 135.
Mastitis, see Mammitis.	mooriand, treatise, (31) 830.
Materials of construction, treatise, (29) 890.	native permanent v. seeded, (30) 526.
Maternal placenta, experimental production, (27)	nitrogen assimilation in, (26) 422. of Boulder Park region, Colorado, (37) 435.
174.	of eastern United States, (27) 618.
Mathematics—	phosphatic slag and kainit for, (28) 425.
for agricultural students, (40) 796.	preparation and care, (30) 230.
vocational, textbook, (37) 598.	seeding, (31) 830; (35) 639.
Matière noire, phosphorus content, studies, (26)	seeding and reseeding, (29) 736.
814. Mathan as a green manusing plant (29) 024	seeding experiments, (40) 231.
Matkee as a green manuring plant, (38) 234. Mato de la playa, culture, (34) 736.	swampy, water table, (40) 211.
Matraca, culture, (34) 736.	wild hay, flora of, (32) 329. Meal—
Matricaria—	analyses, (27) 670; (31) 65.
chamomilla, hydrocarbons in, (26) 107.	crude fiber in, determination, (40) 206.
inodora, dissemination by farm animals, (26)	hours, effect on energy elimination in man, (27)
839.	

Meal-Continued.	Meat—Continued.
moth caterpillar, "schlaffsucht" of, (27) 57. moth, notes, (26) 453.	extract, Liebig's, protein body in, (27) 363. extract, vegetable, analyses, (27) 767.
worm, life history, (34) 65.	extracts—
Meals, see also Diet. for working people in London. (31) 68.	analyses, (30, 861; (31) 160, 161, 656. carnosin in, (30) 61.
for working people in London, (31) 68. low-priced, in Christiana and Vienna, (32) 856.	changes in nitrogenous constituents of, (31)
low-priced, in Copenhagen, (32) 857. nutritive value, (31) 68.	160. cryoscopic studies, (27) 461.
nutritive value, (31) 68. planning, (31) 359; (32) 558, 597; (35) 269, 765; (36) 762; (38) 662.	effect on gastric secretion, (26) 466; (31) 662. effect on vegetable foods, (27) 365; (28) 462.
planning and serving, (29) 898.	methods of analysis, (27) 498; (33) 804.
planning and serving, (29) 898. Mealworms, remedies, (27) 258. Mealy bugs—see also Citrus mealy bug, Grape	nitrogenous constituents of, (26) 356.
	notes, (30) 163. teeding, effect on exerction of creatinin, (36) 264.
in citrus groves, (39) 155.	feeds, analyses, (38) 369.
in Ohio, (34) 59.	fertilizing value, (29) 129. flies injecting, (39) 564.
notes, (27) 155. of California. (30) 854: (40) 262.	nour, preparation and properties, (34) 163.
in citrus groves, (39) 155. in Hawaii, (34) 59. in Ohio, (34) 59. inotes, (27) 155. of California, (30) 854; (40) 262. Ontario, in California, (34) 62. Operating the distribution into Florida (30) 461.	food products, manufacture, (38) 265. food value, (31) 860.
parasite of, introduction into Florida, (39) 461. parasites of, (30) 753; (37) 563, 847; (40) 359. parasites of in the Far East, (31) 60.	food value and preparation, (33) 364. from slaughterhouses, bacteria in, (32) 358.
parasites of in the Far East, (31) 60.	from tuberculous animals, sterilization, (29) 460.
rearing, (36) 253. studies, (37) 563.	frozen— and cold storage, changes in, (26) 355.
Measles in—cattle, (29) 782.	black spots in, (30) 761. history, (27) 571. imports into Great Butain, (28) 769.
domestic animals, paper on, (32) 271.	imports into Great Butain, (28) 769.
livestock, (34) 185. sheep, (29) 887.	industry in Argentina, (30) 171. industry in Australia and New Zealand,
Measures—	(31) 564.
and weights, inspection, (29) 266. and weights laws in Iowa, (26) 261.	industry of New Zealand, (30) 711. nutritive value, (33) 162.
conversion into metric system, (30) 697.	nutritive value, (33) 162. studies, (29) 659.
Meat—see also Beef, Pork, etc. and blood meal for horses, (34) 869.	trade in 1913, (31) 258. trade of Australia, (29) 770.
and bone meal, analyses, (32) 169. and bone scrap, analyses, (28) 364; (29) 570; (31)	use in Netherlands, (27) 461. v. refrigerated, comparison, (27) 461.
467; (33) 371.	great central markets, (40) 488.
and flour, substitutes for (33) 361. and food inspectors' examinations in England,	ground, determination of added water, (37) 414. growth of Gärtner type bacilli on, (32) 559.
(33) 261.	high prices of in France, (28) 365.
and meat products— curing on the farm, (33) 17.	home canning and curing, (38) 715. horse, see Horse meat.
distribution, (38) 294. law in Kentucky, (38) 567.	hygiene, data on, (40) 183. hygiene, textbook, (35) 678, 879.
methods of analysis, (33) 258.	imported, onchocerciasis in, (27) 83.
production and marketing in United States, (38) 595.	imports into Great Britain, (26) 768; (30) 171, in the diet, (32) 354.
as affected by polarized light, (31) 759.	industry in—
as protection against pellagra, (33) 565. bacteriological examination, (26) 480, 660.	Argentina, (27) 469, 672. South America, (31) 367,
bacteriological methods of analysis, (31) 854.	Switzerland, (26) 573.
blanching for canning, (33) 66. boiled, red color of, (30) 257.	United States, (35) 666. infection by pathogenic bacteria, (35) 264.
canned, changes in, (32) 760. canned, inspection, (27) 565. canning, (27) 508; (38) 208, 507, 715; (39) 317, 614.	ingestion, effect on-
canning, (27) 508; (38) 208, 507, 715; (39) 317, 614.	amino acid content of blood and muscle, (33) 755.
eanning and cooking tests, (26) 762.	children, (29) 365. residual nitrogen in blood, (29) 767.
canning in the home, (35) 558. canning industry in United States, (32) 210.	ingestion, heavy, effect on dogs, (27) 167; (28)
changes in during cold storage, (27) 460; (31) 659. changes in during vacuum drying, (29) 58.	inspection, (29) 566.
enopped, detection of added water in, (29) 460.	inspection—
chopped, examination, (31) 557. cleavage products, effect on dogs, (28) 568.	act, (31) 396. address on, (26) 83.
cold storage and preservation, (27) 461.	guide. (28) 482.
cooked, digestion of, (33) 565. cooking, (40) 656, 865. corned, studies, (27) 867. cost of production in Argentina, (29) 870.	handbook, (37) 77. in British East Africa, (32) 373.
cost of production in Argentina, (29) 870.	Brunswick, (80) 78.
curing, (36) 114, 498.	foreign countries, (30) 477.
curing, (36) 114, 498. curing and smoking, (35) 317. curing on the farm, (28) 465; (31) 509. detection of kind in bologna, (28) 204.	Ganada, (20) 161. foreign countries, (30) 477. Germany, (28) 583; (31) 760; (32) 578. Glasgow, (28) 178, 375. Norway, (39) 787. Oregon, (32) 778. Pennsylvania, (27) 475. Penset (27) 181
detection of kind in bologna, (28) 204. determination of freshness, (31) 64.	Norway, (39) 787.
determination of saltpeter in, (27) 504.	Pennsylvania, (27) 475.
digestion, protein metabolism during, (39) 772. diseased, feeding experiments with, (30) 260.	Prussia, (27) 181. United States, (34) 185; (35) 178, 379; (36) 477; (37) 577. western Europe, (30) 276.
diseased, in relation to sale warranty, (36) 662.	(36) 477; (37) 577.
dishes from waste, recipes, (40) 658. distribution in United States, (35) 393.	municipal, (38) 179.
drying and powdering, loss of fat from, (30) 205. effect on intestinal flora, (36) 665.	regulations, (32) 777. state and municipal, (27) 167.
emaciated, as human food, (30) 61.	treatise, (32) 777, 778; (40) 577. keeping, (28) 694.
European markets for, (26) 874. examination, animal experimentation in, (32)	keeping, (28) 694. law in Canada, (26) 157, 881.
856.	light and dark, effect on urine, (28) 261; (29)
export trade of Australia, (34) 767.	

15	
Meat—Continued, loss of fat in drying (28) 164.	MeatContinued products
loss of fat in drying (28) 164. market, Smithfield, in London, (27) 171,	detection of blackleg infections in, (29) 882,
marketing, (34) 306.	estimating water content, (40) 807.
marketing in— Germany, (35) 497.	handbook, (30) 711. in United States, (38) 865.
Queensiand, (32) 793.	
United States, (36) 164. markets, inspection in—	methods of analysis, (32) 109. preservation, (29) 312; (36) 463. typhoid infections by, (26) 480. water content, (32) 252; (34) 365, (35) 366. protein, cooked, digestibility, (32) 256.
Indiana, (34) 861.	typhoid infections by, (26) 480.
Montana, (33) 67. North Dakota, (28) 762; (31) 657; (32) 162.	water content, (32) 252; (34) 365, (35) 366.
North Dakota, (28) 762; (31) 657; (32) 162. Pennsylvania, (27) 475.	proteins, separation, (27) 498. purchasing and use, (38) 867.
Porto Rico, (26) 261. meal—	purchasing and use, (38) 867.
acidity, (35) 770.	purchasing and use, treatise, (32) 354. putrefaction, (30) 861; (34) 163.
analyses, (26) 266, 267, 362, 363, 468, 568, 770; (27) 570, 774, 872; (28) 364, 464; (29) 666,	raw chopped, bacteriological investigations, (26)
769; (30) 67, 565; (31) 73, 663; (32) 169,	480. refrigerated in Europe, (33) 752.
667; (33) 371; (34) 169, 263, 371, 467, 566,	ripening and decomposition of, (31) 64, 258.
769; (30) 67, 565; (31) 73, 663; (32) 169, 667; (33) 371; (34) 169, 263, 371, 467, 566, 665; (35) 562; (36) 268, 765; (37) 471; (38) 67, 369; (39) 270; (40) 72.	ripening of, (33) 460. roasting, (30) 395.
analyses and digestibility, (20) 567.	rôle in glycogen formation, (31) 763.
and scrap, analyses, (39) 70, 370. detection in fish meal, (34) 467.	salted, coloring matter in, (32) 454. samples for bacteriological examination, (36) 574.
effect on composition of bone, (33) 171.	COMO D.
offect on fetal development, (33) 266.	analyses, (26) 665; (28) 265; (29) 367, 769; (30) 67, 565, 868; (31) 73, 168, 366, 569, 663; (32) 169, 259; (33) 371, 568, 665, 870; (34) 169, 263, 371, 467, 767; (35) 374, 562, 867; (36) 167, 268, 667, 705; (37) 288, 471, 767; (38) 67, 368, 572; (39) 70, 270, 370, 773, 780; (40) 72, 470, 571, 665.
fertilizing value, (28) 723. for horses, (34) 769. for pigs, (33) 571. for poultry, (26) 669. methods of analysis, (29) 311.	(32) 169, 259; (33) 371, 568, 665, 870; (34)
for pigs, (33) 571.	169, 263, 371, 467, 767; (35) 374, 562, 867;
methods of analysis, (29) 311.	(38) 67, 368, 572; (39) 70, 270, 370, 773, 780;
v. dried yeast for pigs, (26) 668. methods of analysis, (27) 498; (31) 258, 854; (32)	(40) 72, 470, 571, 665.
109.	for laying hens. (35) 274: (39) 176, 275, 577:
mycology of, (26) 355.	cooked, analyses, (26) 165. for laying hens, (35) 274; (39) 176, 275, 577; (40) 76, 670, 773.
oven temperature for, (33) 565. packing and curing, (27) 571.	for laying pullets, (34) 177.
packing establishments, interstate, samtary	for poultry, (31) 569. selection, (30) 762.
conditions in, (32) 457. packing industry in United States, (31) 64; (38)	shrinkage in cooking, (40) 656. spoiled, chemical studies, (40) 712, 713.
294.	statistics, (31) 165.
physical-chemical method of examination, (28) 806.	statistics in United Kingdom, (38) 494. substitutes, purchasing and use, (38) 867.
pickling and curing, (28) 65.	supply—
pickling experiments, (28) 564.	and distribution in New South Wales, (29) 862.
causes, (32) 84. control, (29) 564. diagnosis, (31) 878; (32) 375, 856. notes, (26) 66; (28) 164, 677.	bibliography, (36) 762. of France, (40) 488.
control, (29) 564. diagnosis, (31) 878; (32) 375, 856.	Of France, (40) 488. Germany, (30) 256, 567.
notes, (26) 66; (28) 164, 677.	Germany, (30) 256, 567. Great Britain, (27) 470. United States, (29) 770, 896; (30) 100; (31)
organisms, studies, (32) 760. outbreaks, relation to rats and mice, (30)	United States, (29) 770, 896; (30) 100; (31)564; (32) 98.
355.	United States, commission on, (30) 96.
papers on, (34) 575. precipitation in, (30) 479.	western Norway, (30) 268. supplementing with fish, (31) 356.
relation to puerperal diseases of cattle, (34)	tough, cooking, (33) 864.
post-mortem alterations, (26) 66.	tough, cooking, (33) 364. trade of Argentina, (26) 573. trade of Australia, (29) 666.
powder, nutritive value, (40) 463, 464.	trieninge in, (39) (86.
powder proteins, utilization, (26) 663. preparation, (28) 860.	trichinous, refrigeration of, (30) 881.
preparations, analyses, (29) 58.	tuberculous, inspection, (34) 575. tuberculous, utilization, (30) 558.
preservation, (33) 362; (37) 715; (38) 114. preservation—	unsound, sterutzation, (38) 266.
on the farm, (36) 717.	use in French army, (28) 659. use in the dietary, (29) 862.
Tellier method, (30) 257.	use in the Tropics, (30) 260.
with nascent ozone, (29) 566. preservative containing benzoic acid, (29) 266.	Mechanic arts schools— notes, (31) 692. of New York, (26) 192; (37) 394.
preserved, analyses, (33) 259. preserved, discussion, (28) 659; (35) 859.	of New York, (26) 192; (37) 394. Mechanical—
prices in—	colleges, see Agricultural colleges.
Barcelona, (29) 162. Bern, (32) 162.	colleges, see Agricultural colleges. engineer's reference book, (31) 287. tissue, formation in plant tendrils, (27) 631.
England, (38) 90.	Mechanics, household, treatise, (36) 891.
France, (33) 694.	Meconopsis, inheritance of doubleness, (39) 123. Mecoptera of Japan, (30) 754.
Germany, (33) 165. Munich, (32) 91.	Mecroplitis melianae, notes, (28) 160.
Paris, (28) 662.	Media, see Culture media.
Paris, treatise, (30) 256. Russia, (37) 292.	Medic— black, crossing with alfalfa, (81) 881.
production—	black, nodule bacteria of, (32) 33.
and consumption in United States, (31) 74. and price in Germany, (28) 572.	fertilizer experiments, (27) 24. Medicago—
and price in Germany, (28) 572. in Argentina, (32) 12; (33) 268. Australia and New Zealand, (33) 268.	arborea, culture, (30) 228, 335, 632.
Central America, (30) 100.	ash constituents of, (30) 334.
Central America, (30) 100. Central America, (30) 100. Netherlands, (28) 669. the South, (32) 13. United States, (32) 12; (34) 307; (40) 792. on high-priced lands, (32) 12; (34) 398.	analyses, (31) 863, germination, (29) 331. studies, (36) 334.
United States, (32) 12: (34) 307: (40) 792.	germmation, (20) 331. studies. (36) 334.
on high-priced lands, (32) 12; (34) 398.	tests, (33) 632.

Medicago—Continued.
hardiness, (35) 229.
improvement, (37) 136.
obicularis, culture, (32) 226
sativa, analyses, (27) 469.
sativa, comparative morphology, (31) 624.
spp., glandular pubescence, (40) 137.
spp., yield of seed, (28) 636.
Medical— Melampsora—Continued.
n.spp., descriptions, (35) 251.
occidentalis n.sp., description, (39) 254.
on Japanese willows, studies, (35) 251.
pinitorqua, life history, (30) 745.
spp., inoculation experiments, (38) 253.
spp., notes, (27) 252.
spp., on Euphorbia in North America, (38) 252.
spp., spore germination, (38) 226.
tremulae, notes, (28) 443.
Melampsoraceae, monograph, (36) 647. Medical—commissions, relation to pure milk, (29) 878. cooperation, rural experiment in, (31) 294. directory of Savony, (28) 375. periodicals, list, (30) 286. progress, review of investigations, (33) 876. Medicinal—see also Drug plants. herbs, description, (26) 327; (40) 247. plants, culture experiments, (31) 536. plants, production in United States, (39) 449, 545. tremulae, notes, (28) 443.

Melampsoraleae, monograph, (36) 647.

Melampsorella—
elatina, notes, (29) 451.
ricini, notes, (33) 545; (38) 848.
ricini, studies, (30) 845.

Melampsoridium betulae, overwintering, (39) 553.

Melampsoropsis pyrolae, overwintering, (39) 553.

Melanchra steropastis—
notes, (38) 257 Medicine—
physiology and biochemistry in, (40) 577.
relation to entomology, (33) 152.
use of "normal" curve of frequency in, (29) 188.
Medicines notes, (38) 257. parasites of, (39) 159. Melanconis— Melanconis—
modonia (M. perniciosa), notes, (36) 752.
modonia on chestnut, (33) 56.
modonia, studies, (28) 240.
spp., notes, (40) 160.
Melanconium— Medicines—
inspection in Missouri, (26) 564.
of ancient Egyptians, (30) 559.
patent or proprietary, (31) 658; (40) 182,
subcutaneous administration, (32) 272.
Mediterranean cosst fever, studies, (34) 383.
Mediterranean flour mothers. lanconum—
bambusae n.sp., description, (36) 251.
fuligineum, studies, (32) 751.
n.sp. on tomatoes, (36) 49.
on sugar cane, (40) 157, 844.
on tomato, (36) 749.
sacchari, notes, (29) 647; (30) 541; (32) 442; (34) 349; (35) 49; (36) 846; (37) 452; (38) 550, 851;
(40) 155.
sacchari, studies (36) 846. MIGHTANEAN HOUT MOTH— destruction by heat, (29) 856. flacherie of, (38) 253. in mills and warehouses, (39) 463. in soldiers' biscuits, (34) 251. notes, (29) 655. parasites of, (27) 564; (39) 566. remedies, (27) 258; (40) 547. dlur sacchari, studies, (36) 648. Melandriumalbum, anther smut of, (26) 552. album, root system, (37) 542. inheritance of leaf coloration in, (32) 35. remedies, (27) 288; (40) 547.

Medlar—

floral parts and genesis, (39) 527.

Insects affecting, (26) 147.
leaves, free hydrocyanic acid in, (27) 635.

Monilla affecting, (28) 241.

Megachie pollinating alfalia, (39) 661; (40) 264, 760.

Megacoleum stramineum, life history, (33) 359.

Megalopotentria pseudotrichia, notes, (34) 540.

Megalopotentria pseudotrichia, notes, (34) 540.

Megalopyge krugin, notes, (30) 458.

Megarlogas theretrae n.sp., description, (29) 562.

Megarhyssa, studies, (34) 758.

Megarstigmus—

aculeatus in New Jersey, (37) 856.

aculeatus, notes, (26) 861.

amelanchieris n.sp., description, (40) 656.

lariels n.sp., description, (32) 557.

piceae n.sp., description, (32) 557.

piceae n.sp., description, (33) 658.

revision, (29) 458.

sp., notes, (31) 849.

spermotrophus, oviposition in seed of Douglas fil, (38) 161.

Megilla—

fuscilabris, negative geotropism of, (30) 357. Medlarinheritance of leaf coloration in, (32) 35.

Melanin—
misuse of term, (27) 671.
pigment, formation, (40) 665.
pigment, origin in feather germs of fowls, (38) 171.
studies, (27) 468; (30) 707, 708.

Melanochelia riparia, studies, (37) 764.
Melanochamys leucoptera n.g. and n.sp., description, (35) 243.

Melanogaster variegatus broomianus, notes, (34) 849. Melanogaster variegatus broomaan, 849.

Melanomma sp., fixation of nitrogen by, (27) 225.

Melanophila fullvoguttata, notes, (33) 252.

Melanophila fullvoguttata, notes, (33) 252.

Melanophia fullvoguttata, notes, (33) 252.

differentialis, studies, (36) 153.
differentialis, notes, (35) 657.
differentialis, studies, (39) 359.
spp., egg-laying habits, (39) 566.
spp., injurious to alfalia, (32) 553.
spp., notes, (28) 59.
spp., parastiti infections, (40) 164.
spp., romedies, (34) 158; (36) 55.

Melanops— Megilla—fuscilabris, negative geotropism of, (30) 357. Melanops— life histories, (36) 246. quercuum and Sphaeropsis malorum, identity, maculata—
introduction, (32) 846.
life history and habits, (34) 555.
notes, (29) 853; (32) 854.
Studies, (39) 863.

Megoura solani, notes, (28) 554.
Megoura viciae, notes, (28) 556.
Meigenia floralis—
biology, (39) 658.
parastic on black alfalfa-leaf beetle, (38) 863. Melanopsammopsis hevene, notes, (38) 356. Melanorrhoea usitata and its oleoresin, (38) 247. Melanosisgeneralized, in fowls, (27) 671. relation to cancer, (27) 289. Melanospora orlogy, (39) 038.

parasitic on black alfalfa-leaf beetle, (38) 863.

Meiostagmin reaction—
diagnostic value, (26) 181, 579.
studies, (31) 178.

with malignant tumors, (33) 280.

Melalopha (Ichthyura) inclusa, notes, (26) 856.

Melampsalta incepta, notes, (33) 364.

Melampsalta incepta, notes, (29) 558.

Melampsora—
albertensis, notes, (26) 340.
alpina, notes, (33) 145.
betulina, notes, (38) 552.
biglowii on Larix, (36) 651.
bigelowii, overwintering, (39) 553.
lini, biology, (34) 126.
lini, notes, (30) 649; (38) 548.
lini, notes, (30) 649; (38) 548.
lini, overwintering, (33) 647.

medusae, infection experiments, (30) 745.
monticola n.sp., description, (33) 252. asparagi n.sp., description, (36) 748.
parasitica, notes, (29) 46.
Melanostoma mellinum, notes, (36) 460.
Melanotus—
Melanotus—
Melanotus—
Melanotus communis, see Corn wireworm. prothetely in, (35) 261. spp., notes, (32) 556. Melanoxantherium— Melanoxantherium—
antennatum n.sp., description, (29) 654.
saliceti, see Aphis saliceti.
Melanoxanthus soliciti, notes, (28) 254.
Melasoma scripta, see Cottonwood leaf beetle.
Melaborus laspeyresiae n.sp., description, (38) 165.
Melaziose in Douglas fir manna, (38) 202.
Melia azadirachta cake, fertilizing value, (38) 220.
Meliana albilinea, notes, (28) 160.
Meliatine, occurrence in buck beans, (26) 24.
Melibiose, acetates of, (34) 408.

Melibiose, preparation, (34) 408.	Membranes, permeability, (38) 126.
Meligethes aeneus, notes, (27) 457; (40) 260.	Memythrus—
Melilot, white, as green manure, (40) 24.	perlucida n.sp., description, (33) 748.
Melilotus—	polistiformis, see Grape root horer. spp., notes, (28) 155.
alba, annual variety, (39) 642. as green manure for citrus, (32) 233.	Mendel monument, notes, (28) 531.
fertilizer experiments, (30) 820.	Mendelian—
indica as green manure, (34) 36; (39) 31.	characters in plants, animals, and man, (28)
parviflora, description, (36) 639.	531.
spp., geographical distribution, (26) 335.	characters, models to illustrate segregation and
Melinis minutiflora—	combination, (37) 432.
culture in Hawaii, (32) 729. culture in Porto Rico, (29) 631.	class frequency, probable error, (37) 432. formulas, simplification, (29) 68.
culture in Porto Rico, (29) 631.	in horitomes, and probable corner of along the
for dairy cattle, (32) 471.	inheritance and probable error of class fre- quencies, (40) 524.
notes, (26) 362. Meliola—	inheritance, graphic representation, (33) 822
arundinis, notes, (38) 550.	inheritance, graphic representation, (33) 822. ratios, test of goodness of fit, (29) 67.
arundinis, notes, (38) 550. camelline, notes, (20) 555.	segregation, exception to, (32) 521.
nevene, n.sp., notes, (37) 253.	Mendelism
in Porto Rico, (37) 149. palmarum, notes, (28) 241; (38) 758. Meliolas and associated fungi, (40) 249.	algebra of, (28) 570, 571.
palmarum, notes, (28) 241; (38) 758.	discussion, (27) 769; (29) 67.
Meliolas and associated fungi, (40) 249.	manual, (38) 367
Meliopotis januaris, notes, (40) 56.	neview of investigations, (34) 561.
Melissoblaptes rufovenalis, notes, (35) 258.	Mendel's law—
Melitara spp., notes, (28) 451. Melitansis, notes, (27) 681.	notes, (26) 773. paper on, (28) 531.
Melitomma insulare—	relation to animal breeding, (28) 666.
control in Seychelles, (33) 555.	Menesta albacıliella, life history, (34) 64.
notes, (29) 853.	Menetypus variegatus n.sp., description, (32) 658.
Melittia satyriniformis, see Squash borer.	Menhaden—
Mellon's Food refuse, composition and digestibility,	fish oil, detection, (28) 412.
(32) 666.	industry, notes, (29) 318.
Mellissopus latiferreama, notes, (35) 56.	Meningitis organisms, agglutination test, (40) 83.
Meloidae—	Meningococcus, food requirements, (37) 178. Meningo-encephalitis, paper on, (32) 271.
notes, (30) 454.	Meningo-encephalomyelitis in fowls, (36) 782.
of Mexico, (30) 757. Melolontha—	Menominee County Agricultural School, (32) 794.
spp., remedies, (34) 454; (37) 467.	Menopon—
vulgaris, digestive ferments of, (26) 657.	pallidum, notes, (35) 878.
Melolonthinae, catalogue, (30) 458.	spp., parasitic on fowls, (35) 183.
Melon—	Mental-
aphis—	and muscular work, notes, (28) 765.
life history and remedies, (38) 764.	development as affected by nutrition, (31) 557.
notes, (27) 299; (28) 158; (33) 746.	fatigue, effect on gastric secretion, (26) 160.
relation to cucumber mosaic disease, (36) 350.	fatigue, measurement, (28) 570. work, effect on metabolism, (29) 768.
remedies. (32) 151.	work, metabolism in, (31) 363.
remedies, (32) 151. studies, (29) 355.	Mentha piperita, essential oil of, (26) 504.
canker, notes, (27) 353.	Menthol, effect on hyacinths and tulips, (26) 731.
disease, studies, (31) 52.	Menthone, inversion, (37) 201.
diseases—	Menus—see also Diet and Meals.
in Sweden, (32) 641.	for boys, (29) 464.
notes, (37) 653. treatment, (28) 142; (39) 52.	children, (31) 760. logging camps, (32) 459. negro farmers, (36) 562. making, (31) 68; (33) 364. outlining and planning, (30) 559. suggestions, (38) 366, 662. Menyanthes trifoliats, new glucosid from, (26) 24. Menziesis gipbella toxicity. (31) 376.
fly, danger of introduction, (39) 467.	nooro formars (38) 589
fly, life history, (32) 452.	making. (31) 68: (33) 364.
fly, life history, (32) 452. fly, parasites of, (37) 162, 847; (40) 459. fly, remedies, (31) 757. fly, studies, (33) 562; (37) 566; (39) 155.	outlining and planning, (30) 559.
fly, remedies, (31) 757.	suggestions, (38) 366, 662.
fly, studies, (33) 562; (37) 566; (39) 155.	Menyanthes trifoliata, new glucosid from, (26) 24.
fungus disease, notes, (28) 244.	Menzicsia glabella, toxicity, (31) 376. Meracantha contracta, life history, (35) 261.
fungus disease, notes, (26) 244. industry in Valencia, (27) 39.	Meracantha contracta, life history, (35) 261.
pear, tests, (27) 741. Melons—	Meraporus crassicornis n.sp., description, (30) 661.
analyses and uso, (30) 363.	Mercurialis annua— analyses and feeding value, (33) 70.
breeding for disease resistance, (30) 331.	inheritance of sex-ratios in, (36) 522.
cassaba, culture experiments, (33) 43.	Mercurie chlorid—
culture in southern France, (36) 138.	and mercurophen as antiseptics, (39) 586.
culture under irrigation, (28) 839.	antiseptic value, (40) 182.
cassaba, culture experiments, (33) 43. culture in southern France, (36) 138. culture under irrigation, (28) 839. insects affecting, (27) 53, 453; (31) 248; (37) 760;	detection in wood, (26) 242.
(88) (88)	ellect on catalytic power of sous, (28) 118.
localization of acids and sugars in, (36) 110.	effect on complement and antibody produc-
Mendelism in, (32) 140.	tion, (40) 287.
Monketoon, as a cattle food, (29) 569. notes, (29) 338.	effect on germination of seeds, (26) 820. insectical value, (39) 762.
oil and press cake from seeds, (40) 803.	use in seed treatment, (39) 851.
parthenogenesis in, (29) 837.	Mercurophen-
sampling device for, (37) 711.	as germicide, (38) 481.
stock, culture, (34) 630.	toxicity, (39) 586.
stock, varieties, (30) 435.	Mercury—
varieties at Wisley, (33) 536.	as growth stimulant for hemp, (33) 432.
Melophagus ovinus, see Sheep tick.	chlorophenol as a fungicide, (33) 846.
Melospiza melodia, destruction of grain aphids by, (29) 453.	detection in urine, (39) 715. detection in water, (34) 410. determination, (40) 712.
Melusina (Simulium) dinellii, notes, (27) 560.	determination, (40) 712.
Membracidae-	oxid, effect on germination of seeds, (29) 528.
bird enemies, (39) 860.	preparations, fungicidal value, (37) 247.
of Cayuga Lake basin, (38) 462.	purification, apparatus for, (37) 503.
of Kansas, (31) 59.	suspended in gas, evaporation, (38) 210.
of Philippines, (36) 755.	toxic effect on plants, (38) 629.
parasitic castration in, (26) 148.	vapor lamp, photochemical effects from, (29) 218.

SUBJECT INDEX

Mercury—Continued.	Metabolism—Continued.
vapor light, effect on germination— and early growth of plants, (33) 826.	as affected by—continued. saccharin, (26) 257.
of seeds (30) 827.	sterilization of air, food, and surroundings,
Meria laricis, notes, (29) 156. Merisus—	(28) 569. sugar, (27) 871.
destructor, studies, (35) 466.	sulphur compounds, (26) 69.
subapterus, see Micromelus subapterus. Mermis sp., notes, (27) 456; (30) 362.	underfeeding and subsequent abundant feeding, (31) 464.
	undernutrition, (30) 365.
Merodon equestris— life history, (32) 350. notes, (27) 53, 356, 359, 457; (30) 56, 458, 757; (31) 757.	basal—
(31) 757.	and body surface, (33) 567. during growth period, (32) 697.
Meromyza americana—	factors affecting, (33) 264.
notes, (29) 252; (37) 160. parasites of, (31) 355.	of normal men and women, (33) 264. relation to creatinin elimination, (32) 359.
Merula migratoria, coccidiosis in, (26) 187.	cage for goats, description, (27) 71.
Merulius— as affected by fluorin, (32) 308.	cage for goats, description, (27) 71. cage for rats, (28) 272. cage for swine, (31) 269; (33) 380.
dry rot on wattle, (33) 545.	calcium and magnesium, (39) 5/5, 5/6,
lacrymans—	earbohydrate, see Carbohydrate metabolism. chemistry, (28) 201; (32) 399. chemistry of, treatise, (35) 765. creatin-creatmin, (39) 571, 873.
effect on greenheart, (34) 56. germination studies, (32) 150. growth as affected by tannic and gallic	chemistry of, treatise, (35) 765.
growth as affected by tannic and gallie	creatin-creatinin, (39) 571, 873.
	during experimental marches, (30) 169. during fasting, (32) 166.
injurious to telegraph poles, (33) 745. notes, (26) 551, 752; (31) 248, 547; (35) 252; (37) 253; (39) 553.	during fasting, (32) 166. during mental work, (27) 273; (29) 768; (31) 363. during pregnancy and loctation period, (31) 663.
(37) 253; (39) 553. pigment formation by, (28) 751.	endogenous, in pigs, (30) 268.
protection of timber from, (28) 246.	energy—
resistance of oak wood to, (32) 150.	and protein, relation, (32) 563. as affected by overfeeding, (28) 264.
treatment, (33) 151.	during muscular work, (32) 765.
resistance of oak wood to, (32) 150. studies, (29) 157, 852; (30) 850; (40) 350. treatment, (33) 151. sclerotiorum, description, (29) 554. spp., studies, (32) 845. studies, (32) 845. studies (34) 547.	of fowls, (33) 472. of hospital children, (33) 756.
spp., studies, (26) 751. studies. (32) 845.	experiments-
	analytical error in, (36) 164. at Carnegie Institution, (32) 565.
Mesembrianthemum— junceum, ash analyses, (36) 429.	at Carnegie Histoticity, (32) 303. automatic balance for, (33) 167.
mahoni roots as a yeast substitute, (29) 460.	comparison of methods, (35) 271.
rupicola, analyses and digestibility, (32) 167. Mesembryanthemum—	mineral, with swine, (30) 99. review of, (30) 364.
gas interchange, (40) 29.	under decreased partial pressure of oxygen,
rate and course of growth, (40) 30. Meshel grass, analyses, (28) 768.	(32) 860. with animals, (29) 62.
Mesidia gillettei n.sp., description, (31) 458.	ethletes and nonathletes, (33) 263.
Mesochorus—	calves, (26) 768. cattle, (28) 68; (32) 98. cows, (27) 775.
luteipes, notes, (30) 59. n.spp., descriptions, (26) 352.	cows, (27) 775.
nigrisignis, notes, (28) 160.	cows, technique, (39) 676.
plusiaephilus n.sp., description, (30) 256. sp., notes, (28) 558.	cows, technique, (39) 676. dogs, (26) 263, 468; (28) 67, 568, 866, 867, 868; (29) 165; (31) 464; (33) 754, 755, 869
Mesogramma polita, life history, (34) 358.	011CKS, (29) 171,
Mesoleius— tenthredinis, notes, (30) 362; (38) 62.	Eskimos, (31) 260. frogs, (30) 563.
transfuga, notes, (30) 362.	infants, (30) 562; (34) 68, 462.
Mesoleuca truncata, notes, (32) 556. Mesostenus pomonellae n.sp., description, (28) 162.	infants, (30) 562; (34) 68, 462. lambs, (33) 761. man, (26) 764, 865; (27) 386, 666; (28) 868; (29) 62, 164, 165; (31) 465; (34) 86; (35) 369, 866; (36) 763; (37) 266.
Mesquite-	868; (29) 62, 164, 165; (31) 465; (34)
aerial galls of, (30) 751. analyses, (28) 464.	HIRTES. (20) 200.
beans for pigs, (38) 675. blight, description, (30) 248. commercial possibilities, (37) 747.	won and mamon of rest (32) inc.
commercial possibilities, (37) 747.	pigs, (28) 469; (30) 570, 888; (31) 268; (32) 170; (33) 375, 465. sheep, (26) 164, 469; (27) 569; (28) 362.
curly, as a lorage crop, (31) 829.	sheep, (26) 164, 469; (27) 569; (28) 362. vegetarians and nonvegetarians, (33)
notes (28) 643	263.
seeding on ranges, (30) 35.	fats and carbohydrates in, (29) 269. following food ingestion, (40) 270, 868.
seeding on ranges, (30) 35. trunk diseases of, (31) 751. Mess management, military hospital, (40) 866. Messer barbarus, injurious to tobacco, (30) 759. Messer barbarus, injurious to description, (26) 182	gaseous—
Messer barbarus, injurious to tobacco, (30) 759.	as affected by food intake, (26) 160.
Mestocharis williamsoni n.sp., description, (26) 152.	as affected by humidity, (27) 869. as affected by muscular work, (29) 167.
Mestocharis williamsoni n.sp., description, (26) 152. Mesua ferrea, oil content, (31) 234. Metabolic water, production and rôle, (27) 201.	in cold-blooded animals, (30) 563.
Metabolism—	in gymnasts, (34) 261. in infants, (32) 461.
abnormal, in infants, (36) 865. abnormalities in, (32) 78.	in a case of leukemia during radium treatment
and energy of men, treatise, (32) 663.	(40) 566.
and nervous system, relationship, (28) 765. and vitality, digest of data, (31) 265.	animals as affected by temperature, (32) 765 Aspergillus niger, (30) 727.
se affected by-	Aspergillus niger, (30) 727.
air breathed, (32) 663. disease, (32) 563. food, (30) 365; (33) 753.	boys, (40) 868. chicory seedlings, (28) 821.
food, (30) 365; (33) 753.	chicory seedlings, (28) 831. guines pigs, (38) 672. infants, (27) 767; (33) 464; (39) 876. infants, mineral salts in, (29) 366. insects, (39) 761. malarial fever, (40) 868.
fruit juices, (28) 66, light, (29) 567.	infants, mineral salts in, (29) 366.
maintrition, (32) 664. meteorological conditions, (31) 362.	insects, (39) 761.
meteorological conditions, (31) 362. muscular work, (32) 67.	maiariai fever, (40) 863. men, women, and children, (39) 568.
reduced diet, (39) 567.	nitrogen hunger, (26) 764.

Metabolism—Continued.	Metamasius-
in old age, (26) 566, 664.	hemipterus decoratus, notes, (26) 354.
plants, (26) 265, 326; (38) 729. plants as affected by acid and alkaline	hemipterus, notes, (26) 60; (29) 52.
solutions, (32) 626.	ritchiei n. sp., description, (37) 161. ritchiei, notes. (38) 163: (40) 259.
plants as affected by etherization, (26) 127.	ritchiei, notes, (38) 163; (40) 259. sericeus, notes, (34) 753; (37) 162: (39) 58.
quiet or sleeping dogs, (28) 868. white dogs as affected by light, (31) 563.	spp., affecting coconut palms, (29) 858.
women, (40) 174.	Metamorphosis, retrogressive, in peaches, (27) 230. Metagyytoluic acid in soils. (30) 610.
young trees, (27) 425.	Metaovytoluic acid in soils, (30) 610. Metaphis n. g., description, (40) 60.
increased, after food ingestion, (30) 168.	Metaphosphate, assimilation by plants, (29) 624.
intermediary, glycin and amino-aldehyde in, (40) 71.	Metapocyrtus n.g. and n.spp., descriptions, (28) 561.
ketonic function in, (40) 464.	Metarrhizium anisopliae—
maximim and minimim, (28) 461.	description, (33) 459.
mineral, of milch cows, (35) 481; (37) 169; (38) 779; (40) 373. nitrogen, of bacteria, (39) 110.	in Porto Rico, (39) 868. in Queensland, (32) 555. infection tests, (38) 165. notes, (28) 746, 757; (29) 52, 53, 652; (30) 356.
nitrogen, of bacteria, (39) 110.	infection tests, (38) 165.
nuclein, of pigs, (26) 363.	notes, (28) 746, 757; (29) 52, 53, 652; (30) 356.
nuclein, of pigs, (26) 368. of a dwarf, (33) 754. acid-fast bacteria, (33) 769. ammonium salts, (30) 64. bacteria in milk, (31) 873.	use against sugar cane pests, (29) 846. Metastrongylus apri—
ammonium salts, (30) 64.	
bacteria in milk, (31) 873.	life history and treatment, (35) 182. notes, (37) 779.
calcium and phosphoric acid in infants, (28) 166.	Metazon, diseases due to, (35) 379.
creatin and creatinin. (26) 158; (32) 764.	Meteor, train of, (31) 213. Meteoridae, British, notes, (31) 159.
creatin in growing pigs, (28) 269. diet poor in nitrogen, (29) 165. fat, factors affecting, (28) 471.	Meteorologic and magnetic phenomena, relation,
dlet poor in nitrogen, (29) 165.	(31) 615.
fats. (27) 665; (38) 66; (39) 874.	Meteorological— aspects of oceanography, (35) 619.
fats, (27) 665; (38) 66; (39) 874. glycin, (39) 873.	conditions—
hypophysectomized dogs, (26) 766.	effect on propagation of sound, (32) 25.
incubating eggs, (26) 877. lecithin, (26) 159, 765.	relation to fungi, (27) 543. relation to grape downy mildew, (28) 448.
lecithin and cholesterin, (32) 764.	relation to growth and yield of oats, (29) 509.
mineral matters, (30) 562.	relation to plant diseases, (29) 44. cooperation, Pan American, (35) 420.
mustard olls, (39) 668. nitrogenous food, (32) 359.	cooperation, Fan American, (35) 420. courses for aeronautical engineers, (37) 807.
nuclein, paper on, (26) 69.	data, (32) 118, 316, 614.
organic and inorganic phosphorus com-	data, recording and summarizing, (39) 809.
pounds, (33) 462. organic phosphorus compounds, (29) 166.	elements, relation to soil temperature, (29) 618. explorations in the Antarctic, (31) 615.
phosphoric acid, (26) 765.	factors, effect on milk production, (28) 774.
phosphorus and nitrogen, (80) 465.	factors, relation to soils, (28) 116. monthly, Chinese, (37) 513.
phosphorus, review of literature, (32) 601.	monthly, Chinese, (37) 513. observations—see also Climate, Rainfall,
scurvy in an adult, (28) 868. organic nutrients in, (31) 361.	Weather, etc.
protein, (26) 158, 359, 869, 870; (32) 359; (39) 572,	at Berkeley, California, (31) 316; (35) 209;
772. protein, after excessive water ingestion, (32) 663.	(36) 616; (40) 716. Cirencester, England, (31) 416.
protein, monograph, (28) 167.	different elevations, (39) 809.
protein, of the fetus, (26) 363.	Hamburg Observatory, (31) 812.
protein, monograph, (28) 167. protein, of the fetus, (26) 363. protein, studies, (26) 764; (23) 664, 665; (31) 661. purin, (29) 365; (31) 760.	Honolulu, (26) 614. Manila, (40) 19
purin, as affected by potassium salts, (28) 261. purin in ungulates, (32) 166.	Manila, (40) 19. Ploti Experiment Station, (28) 213;
	(29) 813.
relation—	University of California, (29) 121. Wauseon, Ohio, (33) 825. Wisley, (28) 315; (32) 211; (34) 14; (40) 117, 810.
of nitrogen to sulphur in, (26) 765. to nuclein, (27) 574. to osmosis, (28) 667.	Wisley, (28) 315; (32) 211; (34) 14; (40)
to osmosis, (28) 667.	importance in engineering (28) 415
to thyroid secretion, (29) 868. respiratory, as affected by salts, (32) 860.	importance in engineering, (23) 415. in Alaska, (28) 415; (20) 722; (32) 25; (33) 616; (36) 418, 139; (39) 114. Alberta, (29) 15; (30) 416. an Egyptian cotton field, (30) 17.
respiratory, in infants, (26) 69.	616; (36) 418, 139; (39) 114.
review of investigations, (30) 500.	Alberta, (29) 13; (30) 410. un Egyptian cotton field. (30) 17.
studies, (26) 158, 671, 709. treatise, (40) 463.	Arizona, (39) 719.
uric acid, studies, (40) 175.	
Metachaeta helymus, notes, (33) 749.	British Islas, (31) 214; (38) 116. Canada, (27) 710; (30) 317; (31) 718; (32) 25, 418, 510; (33) 728; (36) 97; (38) 619. Caylon, (40) 811
Metachromatin in the vegetable cell, (40) 325.	25, 418, 510; (33) 728; (36) 97; (38) 619.
Metal flumes, preservatives for, (36) 585. Metal reinforcement, corrosion in concrete, (29) 687.	Ceylon, (40) 811.
Metalaptus torquatus n.g. and n.sp., description,	Connections (28) 25.
(38) 460.	Colorado, (28) 25. Connecticut, (27) 414; (32) 118; (38) 416. Egypt, (26) 316; (33) 509.
Metallic—	England, (27) 510; (33) 509.
colloids, bactericidal properties, (32) 272.	England and Wales, (30) 510. France, (27) 211.
oxids and salts, fertilizing value, (31) 821. salts, reaction with soluble carbonates, (31) 504.	German East Airica, (37) 717.
salts, rôle in nitrogen assimilation by green plants, (28) 328.	Germany, (32) 810. Great Britain, (28) 116; (33) 508.
	Great Britain, (28) 116; (33) 508. Habana, (28) 213; (29) 813; (37) 513; (39)
Metallonoidea brittanica n.subg. and n.sp., descrip-	419.
tion, (34) 857.	Hamburg, (29) 314. Hawaii, (37) 116. Idaho, (37) 16; (39) 321.
Metals—	Hawaii, (37) 116. Idaho (37) 16: (20) 221
colloidal, therapeutic value, (38) 585.	111(18, (02) 419.
colloidal, effect on Spirogyra, (31) 129. colloidal, therapeutic value, (38) 585. detection in ethyl alcohol, (29) 312.	Iowa, (29) 812; (30) 510; (33) 508; (39)
effect on development of Aspergillus niger, (30) 824.	419. Italy, (35) 718.
heavy effect on isolated intesting (37) 266	Kansas, (34) 339,

Meteorological—Continued. observations—continued. in Kentucky, (26) 514, 614; (31) 316; (34) 615; (38) 618; (39) 418. Maune, (27) 414; (29) 121; (31) 117; (33) 19; (35) 209; (37) 314; (39) 114. Massachusetts, (26) 117, 416, 810; (27) 211, 510, 617; (28) 115, 415, 716; (29) 121, 415, 722, 812; (30) 317, 713; (31) 213, 415, 718; (32) 118, 418, 614; (33) 118, 321, 717; (34) 118, 414, 714; (35) 209, 420, 619; (36) 418; (37) 116, 619, 807; (38) 210, 618, 812; (39) 210, 419, 720, 811; (40) 210, 511. Michigan, (27) 115; (28) 416; (30) 618; (32) 614; (34) 714; (36) 712; (39) 114.	Meteorological—Continued. review for Paris region, (40) 511. service in Colombia, (37) 115. service in Dutch East Indies, (39) 512. services of different crop regions, (39) 718. station at Berkeley, California, report, (31) 615. stations in Korea, (33) 118. study, relation to agriculture, (28) 198. symbols, (35) 618. work in Chile, (27) 414. work in Russia, (28) 116. Meteorology—see also Climate, Rainfall, Weather,
807; (38) 210, 618, 812; (39) 210, 419, 720, 811; (40) 210, 511. Michigan, (27) 115; (28) 416; (30) 618; (32) 614; (34) 714; (36) 712; (39) 114.	etc. agricultural, (35) 114; (40) 19. agricultural— at International Institute of Agriculture,
(32) 514; (34) 714; (36) 713; (39) 114. Minnesota, (37) 210. Mississippi, (28) 299. Montana, (28) 395; (29) 616; (33) 599; (36) 208; (38) 318; (39) 131; (40) 417. Moscow, (33) 509. Nevada, (30) 618.	(30) 510. commission for study of, (31) 415. development by Weather Bureau, (33) 615. estimating humidity in, (27) 315. in Brazil, (30) 618.
Nevada, (30) 618. New Brunswick, (35) 318. New Hampshire, (29) 722. New Jersey, (27) 718; (28) 716; (32) 510; (34) 144; (36) 811; (39) 720.	Canada, (35) 15, 718; (36) 510. European Russia, (33) 20. foreign countries, (34) 504. France, (27) 115; (29) 510. Garmany, (21) 19.
New Brunswick, (35) 318. New Hampshire, (29) 722. New Jersey, (27) 718; (28) 716; (32) 510; (34) 144; (30) 811; (39) 720. New Merico, (27) 414. New South Wales, (32) 316; (37) 513. New York State, (26) 214; (28) 115; (29) 812; (32) 614; (34) 118; (38) 13; (39) 17; (40) 511.	development by Weather Bureau, (33) 615, estimating humidity in, (27) 315, in Brazil, (30) 618. Canada, (35) 15, 718; (36) 510. European Russia, (33) 20. foreign countries, (34) 504. France, (27) 115; (29) 510. Germany, (31) 19. Great Britain, (34) 319. Russia, (29) 314, 510; (34) 207. Sweden, (31) 20. United States, (36) 616. U. S. Weather Bureau, (34) 601. increasing interest in, (28) 701.
(40) 511. New Zealand, (31) 21; (33) 807. North Dakota, (29) 209, 415; (31) 615; (32) 598; (35) 209, 229. Notts Co., England, (27) 211. Oder drainage basin, (28) 317. Ohio, (28) 214; (27) 211; (29) 722; (31) 615; (32) 717; (34) 118; (35) 508; (38) 116; (39) 812.	international importance, (34) 207.
Oder drainage basin, (28) 317. Ohio, (26) 214; (27) 211; (29) 722; (31) 615; (32) 717; (34) 118; (35) 508; (38) 116; (39) 812. Oklohoma (40) 10 617	notes, (33) 19. periodicity, (39) 317. possibilities, (38) 317. problems in, (36) 207. progress in, (28) 414. review of literature, (29) 811; (34) 714.
Oklahoma, (40) 19, 617. Oregon, (34) 208. Oxford, England, (36) 208. Panama, (35) 116. Paris, (28) 416; (38) 417.	419. treatise, (26) 513. wireless telegraphy in (32) 117.
Paris, (22) 416; (38) 417. Paris and vicinity, (37) 16. Pennsylvania, (28) 115; (34) 115, 118; (35) 507, 508; (38) 13. Philippines, (27) 617; (29) 813; (31) 812; (35) 116.	and agriculture, paper on, (29) 120. and aviation, (38) 210, 812. antarctic, (34) 118. application to agriculture, (34) 606. as an exact science, (31) 212.
plant-growth studies, (31) 614. Queboc, (38) 716; (40) 716. Rhode Island, (26) 715; (30) 510. Riudabella, (30) 511. Russia, (29) 609. St. Croix, (31) 133; (33) 807.	at Lick Observatory, (32) 25.
Scotland, (33) 509; (38) 116. Stavropol, (38) 14.	at Fan American Scientific Congress, 98 030. bibliography, (26) 613; (31) 509, 716; (32) 810; (33) 320, 717. C. G. S. system in, (31) 615. course in, (26) 596. dynamic, (29) 314. economic aspect, (38) 317. effect on forest types, (34) 640.
Sweden, (26) 416; (27) 719; (34) 510; (36) 208. Tennessee, (28) 716; (38) 318. Texas, (39) 128. Trinidad, (33) 211.	history and status, (28) 715. in Argentina, (38) 510. Australia, (28) 27; (30) 511; (32) 811. Brazil. (34) 413.
Union of South Africa, (33) 211. United Statos, (26) 26, 27, 213, 613; (27) 115, 316, 413, 509, 616, 816; (28) 415, 716; (29) 120, 209, 510, 721, 812; (30) 416, 713; (31) 212, 213, 615, (32) 24, 118, 210, 316,	Brazii, treatise, (37) 619. British Empire, (38) 617. California, (34) 509. Canada, (34) 208; (38) 618. Finland, (27) 414.
208. Tennessee, (28) 716; (38) 318. Texas, (39) 123. Trinidad, (33) 211. Union of South Africa, (33) 211. Union of South Africa, (33) 211. Union of South Africa, (33) 211. (31) 15, 316, 413, 509, 616, 816; (28) 415, 716; (29) 120, 209, 510, 721, 812; (30) 416, 713; (31) 212, 213, 615; (32) 24, 118, 210, 316, 614, 810; (33) 19, 117, 320, 321, 508, 716; (34) 117, 413, 414, 614, 615; (35) 115, 116, 419, 506, 618, 619, 809; (36) 19, 207, 419, 615, 718, 719; (37) 115, 116, 314, 513, 619, 807; (38) 13, 209, 318, 510, 617, 618, 811; (39) 17, 209, 318, 510, 617, 618, 811; (39) 17, 209, 416, 511, 617, 715, 716. Utah, (28) 416.	mathematics and physics courses, (33) 321. Minnesota, (26) 385. Netherlands and vicinity, (34) 614. New Zealand, (35) 210. Panama Canal Zone, (32) 614.
(30) 17, 209, 329, 513, 616, 718, 719; (40) 19, 117, 209, 416, 511, 617, 715, 716. Utah, (26) 416. Virginia, (29) 616; (33) 717; (39) 17.	the far east, (29) 121. international catalogue, (26) 715; (29) 510; (35) 318, 421. meaning of "fair" in, (34) 615.
Virginis, (29) 616; (33) 717; (39) 17. Wyoming, (26) 514; (28) 514, 599; (29) S12; (30) 619; (32) 717; (34) 615; (37) 314; (39) 114. Zanzibar, (38) 192. notes, (31) 811.	notes, (26) 613. of Greenland's inland ice and its foehn, (38) 812. of Mount Rose, Nevada, (35) 505. of the moon, (35) 115. papers on, (34) 308; (39) 209, 512, 718; (40) 117,
on lightships, (37) 513. Truckee-Carson project, (28) 811. optics, progress in 1912. (31) 615.	416, 617. problems in, (29) 314. progress in, (26) 316; (28) 315; (32) 315; (33) 508. progress in England since 1866, (85) 317. relation to—
phenomena, average internal curve for, (35) 419. photography, (26) 118. radiotelegrams to mariners, (33) 118. research, statistical method, (40) 416. research, subjects for, (40) 615.	agriculture, (29) 314. bird migration, (38) 511. grape culture, (34) 234.

Meteorology-Continued.	Metric system—
relation to—continued.	conversion coefficients for, (30) 697.
plant and animal life, (26) 513. rust development, (27) 149.	for aeronautics, (36) 718. Metritis, bovine, etiology, (36) 279.
winter rye culture, (34) 715.	Metrosideros, Hawaiian species, (38) 45.
review of interature, (26) 338.	Metzneria lapella os a useful insect, (33) 859.
station at Grand Saint-Bernard, (38) 812. textbook, (27) 315; (34) 13.	Meun mutellina, analyses, (31) 863. Meyer, F. N., biographical sketch, (39) 200.
textbook, (27) 315; (34) 13. treatise, (26) 615; (32) 24; (35) 808.	Mgongo nuts, oil from, (40) 803.
use in Furopean wir, (36) 509. world bureau of, (34) 14.	Miastor americana, pedogenesis in, (26) 147. Mica—
yearhook, (34) 494.	as source of potash, (27) 520; (29) 215; (31) 621;
Meteors—	(34) 328.
notes, (35) 115, 618. notes to observers of, (29) 121.	deposits in Georgia, (34) 328. schist, fertilizing value, (27) 725; (28) 33.
systematic observation of, (33) 717.	Micaceous minerals, importance in agriculture, (33)
Meteorus—	722. Mice—see also Mouse and Mus.
archipsidis n.sp., description, (30) 60. archipsidis, notes. (28) 755.	Ascaris infection in, (39) 286, 681.
archipsidis, notes, (28) 755. dimidiatus, notes, (36) 155. ictericus, notes, (29) 562. laphyemae n.s., description, (30) 256.	breeding and rearing, (27) 754. breeding experiments, (34) 864.
lephygmae n.sp., description, (30) 256.	breeding for disease resistance, (28) 370.
laphygmae n.sp., description, (30) 256. mamestrae n.sp., description, (31) 554. sp., notes, (27) 262; (29) 455. versicolor, bionomics, (39) 661. versicolor in Maine, (37) 459. versicolor, notes, (27) 456. Meth, description and culture, (40) 231. Methagetin, periodics of, (34) 502.	control in orchards, (39) 860.
sp., notes, (27) 262; (29) 455.	destruction, (27) 888; (38) 356 destruction in seed rooms, (38) 241.
versicolor in Maine, (37) 459.	destruction in seed rooms, (38) 241. destruction with bacteria, (26) 579; (31) 57.
versicolor, notes, (27) 456.	destructive to standing grain, (28) 653. development of ascarid larvae in, (37) 374.
Methacetin, periodids of, (34) 502.	directions for raising, (38) 258. feeding experiments, (29) 767.
Methacetin, periodids of, (34) 502. Methaemoglobinaemia, infective, in rats, (26) 581.	feeding experiments, (29) 767. field—
Methane, analysis, apparatus for, (40) 111. Methi as fodder crop, (37) 137.	
Methyl alcohol—	as farm and orchard pests, (33) 250. control, (29) 651; (39) 153.
as source of carbon for molds. (30) 226.	destruction by snakes, (34) 751. dissemination and control in Bavaria, (34)
assimilation by yeast and fungi, (28) 824. detection, (27) 815; (30) 210.	850.
detection in ethyl alcohol, (29) 312.	notes, (37) 156. of Great Britain, (35) 252
determination, (29) 411, 810; (31) 115; (37) 111; (40) 15, 204, 310, 413.	of Great Britain, (35) 252. relation to seven duy fever, (40) 85.
determination in—	fungus disease, (39) 460. Gaertner group bacilli in, (30) 355.
alcoholic beverages, (38) 316.	grasshopper, notes, (34) 850.
presence of ethyl alcohol, (36) 806.	harvest, of Great Britain, (35) 656.
spirits, etc., (30) 315. effect on soil microorganisms, (31) 27.	grasshopper, notes, (34) 850. harvest, of Great Britain, (35) 656. harvest, revision, (31) 647. immunity against anthrax bacillus, (29) 878.
formation by yeasts, (38) 316. in foodstuffs and behavior in the body, (40) 204.	immunization against trypanosomes, (29) 379. inheritance in, (28) 531.
in silage, (28) 609; (32) 410. pathological effects on human system, (34) 662.	inheritance of color in. (26) 472: (27) 769: (30)
freatise, (28) 511.	264; (38) 776; (40) 275. inheritance of spotting in, (34) 466.
Methyl-	injurious to forest trees, (26) 299.
carbamate, assimilation by plants, (26) 32.	inoculation experiments, (27) 555.
glucosid, cleavage by fungi and yeast, (30) 11. glycocoll, effect on plant growth, (34) 31.	meadow, in Colorado, (35) 52. meadow, studies, (40) 254.
pentose, determination in grapes and wines,	meat feeding experiments with, (30) 260.
(29) 205. salicylate, insecticidal and larvicidal value,	microbes affecting, (27) 52. new, from Mexico, (37) 757. new, meadow, from Wyoming, (37) 846.
(34) 359.	new, meadow, from Wyoming, (37) 846.
salicylate, methods of analysis, (37) 415. xanthin in tea, (31) 358.	new pocket, from Wyoming, (37) 758. notes, (28) 653.
xanthins, action on isolated intestine, (37) 471.	of Great Britain, (34) 57. ovulation in, (40) 663. parusites, (27) 754.
β-Methyl fructosid, notes, (35) 502. Methylamin sulphate, nitrification rate. (32) 124.	parasites, (27) 754.
Methylamins, assimilation by plants, (26) 32.	pine, irom Fiorida, (a) 000.
Methylene blue— action on abortion bacilli, (34) 679.	protecting trees against, (27) 344. relation to equine influenza, (28) 482.
bactericidal action, (29) 882.	suckling, gestation in, (40) 469.
effect on— decomposition of pyroracemic acid, (37) 202.	susceptibility to pneumonic plague, (28) 180.
formation of carbon dioxid by dead yeast,	analyses at different stages of growth, (36)
(37) 203. plant respiration, (27) 523.	gestation period in, (28) 173,
plant respiration, (27) 523. respiration and alcoholic fermentation of	heredity in, (34) 370. infection with avian tuberculosis, (26) 583.
plants, (28) 825. milk method for oxygen determination, (40) 613.	meat-feeding test, (26) 176.
solution, preparation, (34) 612.	morphology of blood, (28) 777.
use against contagious abortion, (30) 184; (33) 278.	normal growth of, (35) 864. white-footed, remedies, (31) 846.
against hog cholera, (33) 86. against mastitis, (32) 479.	yellow and agouth factors, association, (21) 408.
against mastitis, (32) 479.	yellow, embryology, (38) 573. yellow homozygous, death in utero, (38) 573.
against tuberculosis, (29) 481; (31) 583. in chemical analysis, (37) 111.	Micena (1) sp. on conec, (38) 51.
in iodometric titrations, (28) 311.	Michelia champaca, oxidases in, (28) 129. Michigan—
in iodometric titrations, (28) 311. in judging milk, (28) 473. Methylguanidin in horseflesh, (30) 61.	College agricultural education in (31) 602
-Methylinosit, in Para rubber, (27) 616.	College, history, (38) 794.
Methylpentosans in germinating bean seeds, (27) 730.	(29) 300; (30) 95; (31) 99, 300, 600; (32) 694;
Metol, preparation, (40) 504. Metorchis albidus, infection of pigs with, (38) 82.	Oollege, history, (38) 794. College, notes, (27) 300, 698; (28) 94, 397, 900; (29) 300; (30) 95; (31) 99, 300, 600; (32) 694; (33) 700; (34) 96, 695, 797; (35) 500; (36) 196, 499.695; (37) 197; (38) 798.
*** and the strain of the strain of the strain (98) 22.	

```
Microcryptus osculatus, notes, (38) 565.
Microdipiodia vitigena, n.sp., description, (26) 446.
Microdon, n.spp., descriptions, (37) 766.
Microdontomerus fumipennis n.sp., description,
 Michigan-Continued.
                293 Januar — Conunued.
Station, financial statement, (27) 196; (28) 493.
Station notes, (26) 396; (27) 300; (28) 797, 900; (29) 300, 397; (30) 600; (31) 300, 600; (33) 700; (37) 197; (38) 795.
Station, quarterly bulletin, (40) 97, 797.
Station, report, (30) 696; (32) 693; (34) 795; (36) 795; (39) 397.
                                                                                                                                                                                                                           (36) 556.
Microdus-
                                                                                                                                                                                                                                           (Bassus) earinoides, parasitic on bud moth, (34)
 Station, report of director, (27) 196. (28) 493. 
Upper Peninsular Station, report, (40) 796. 
Micluratu, composition, (36) 674. 
Microbes—
                                                                                                                                                                                                                                          diatraese n.sp., description, (40) 554. inedius, notes, (29) 455. ocellanse n.sp., description, (30) 161.
                                                                                                                                                                                                                           Microfauna-
                and tonins, treatise, (26) 373.
destructive to mice and rats, (27) 52.
in indoor and outdoor air, (32) 211.
production of lipase by, (26) 803.
separation and removal from water, (33) 684.
                                                                                                                                                                                                                           of rice soils, (33) 23.
soil, device for obtaining, (30) 28.
Microfilaria—
                                                                                                                                                                                                                                          ninae kohlyakimovi n.sp., description, (33) 583.
                                                                                                                                                                                                                           rosenaui n.sp., description, (26) 653.
Microfilariae, staining, (31) 383.
Microfilariasis of horses, studies, (33) 583.
 Microbial diseases, treatise, (29) 476.
 Microbiology-
    Microbiology—
agricultural, review of literature, (30) 378.
laboratory manual, (35) 593.
of animal diseases, treatise, (32) 474.
treatise, (26) 372; (27) 223, 575; (31) 177; (37) 76.
Microbiose, notes, (38) 647.
                                                                                                                                                                                                                            Microflora-
                                                                                                                                                                                                                                          of Roman experimental field, (30) 516. of Stilton cheese, (28) 879. soil, device for obtaining, (30) 28.
                                                                                                                                                                                                                            Microgaster-
                                                                                                                                                                                                                          auripes, notes, (28) 160.
epagoges n.sp., description, (38) 165.
flaviventris, notes, (28) 355.
sp., notes, (36) 655.
Microgasteridae, notes, (40) 862.
Microgasterinae, new African, (40) 458.
Microlepidoptera—
 Microbracon-
              crobracon—
cephin.sp., description, (40) 761.
dorsator, notes, (31) 752.
hemimenae n.sp., description, (34) 456.
hyslopin.sp., description, (29) 563.
hyslopi, parasitism, (27) 553.
juglandis, oviposition and feeding in, (26) 458.
mellitor, notes, (27) 864.
sanninoideae n.sp., description, (38) 165.
sp., notes, (28) 658.
vestiticida n.sp., description, (29) 563.
crocalorimeter—
                                                                                                                                                                                                                                         injurious to fir and spruce, (34) 855.
new, descriptions, (36) 254.
                                                                                                                                                                                                                          new, descriptions, (so) 294.

new genera and species from Panama, (34) 855.

Micromycetes, variation in, (38) 731; (39) 124.

Micromys minutus, history, (35) 656.

Microorganisms—see also Bacteria and Organisms, aerolic, in omasum and colon of bovines, ((31)
 Microcalorimeter-
differential, description, (26) 872.
for bacteria, (30) 66.
Microcentrum rhombifolium, studies, (33) 451.
 Microcera-
                                                                                                                                                                                                                                         679.
aerobic, nitrogen fixation by, (31) 721.
as affected by—
                fujikuroi n.sp., notes, (30) 455.
sp., notes, (27) 860.
sp., parasitic on citrus white fly, (29) 251.
                                                                                                                                                                                                                                         as anected by the basic compounds, (27) 229.

poisons, (32) 308.

pressure, (32) 416.

radioactivity, (30) 524; (33) 23.

spices, (35) 557.

X-rays, (27) 225.

assimilation of ammonia and nitrate by, (26)
sp., parasite on circles withe my (29) 201.
sp., spraying experiments with, (31) 751.
Microchemistry—
of plants, treatise, (30) 310; (32) 308.
textbook, (29) 801.
Microcitrus n.g. and n.sp., descriptions, (34) 235.
Microcline-
                                                                                                                                                                                                                                       assimilation of ammonia and intrate by, 617.
behavior in brine, (30) 223; (33) 525.
biochemical activity, (34) 32.
causing deterioration of sugar, (35) 316.
cellulose-decomposing capacity of, (31) 14.
chemical reactions of, (28) 202.
chlorophyll-bearing, studies, (28) 727.
cleavage of proteins by, (28) 503.
cultivation, (26) 355.
culture, treatise, (30) 133.
decomposition of fat by, (28) 372.
decomposition of foods by, (29) 564.
dentiriying, respiration, (31) 827.
destruction by cold, (38) 885.
destruction of cellulose by, (28) 628.
determination in milk, (32) 809.
differentiation, (37) 502.
dissemination by ants and bees, (31) 849.
distribution by tobacco smoke, (27) 830.
                as source of potash, (26) 426; (30) 216.
decomposition by soil bacteria and yeast, (31)
                                                                                                                                                                                                                                                  617.
extraction of potash from, (27) 323.
fertilizing value, (26) 725; (39) 728.
Micrococci in udder infections, (40) 87.
Micrococcus—
acido proteolyticus I and II, development in
cheese, (20) 881.
lactis vars., itinerary in butter manufacture,
(39) 78.
               (39) 78.
melitensis—see also Bacillus melitensis.
agglutinability, (27) 577.
agglutination by normal milk, (32) 276.
agglutination of different strains, (20) 581.
agglutinins in milk and blood serum of
cows, (32) 876.
antibodies for in milk, (33) 84.
dayloid on decomplement with, (30) 578.
                              deviation of complement with, (30) 578
in France, (32) 271.
investigations, (29) 780.
notes, (26) 782; (27) 379.
organism resembling, (27) 681.
resistance to lactic-acid fermentation, (26)
                                                                                                                                                                                                                                       effect on—
betain, (33) 312.
butter, (26) 576.
soils, (31) 818.
solubility of phosphates, (29) 423.
fixation of nitrogen by, (28) 323, 522; (29) 819.
fixation of phosphoric acid by, (27) 216.
heredity in, (30) 329.
in air and food, effect on nutrition, (36) 562.
Baltimore milk, (31) 373.
Brindza cheese, (33) 277.
brines, (30) 431.
                                                                                                                                                                                                                                         effect on-
              resistance to lactic-acid fermentation, (26) 484.
mucofaciens in milk, (29) 376.
mucofaciens n.sp., description, (28) 581.
n.spp., descriptions, (26) 562.
nigrofaciens affecting white grubs, (32) 61.
nigrofaciens, notes, (33) 554.
paramelitensis, identification, (29) 582.
prodigiosus, isolation from cheese, (26) 479.
prodigiosus, notes, (26) 853.
radiatus, in sugar, (26) 505.
rosens, notes, (29) 157.
spp., notes, (27) 751.
spp., in conjunctival sac of horses and bovines, (26) 176.
tetragenus, ammonifying power, (31) 317.
                                                                                                                                                                                                                                                 Brindza cheese, (33) 277.
brines, (30) 431.
conjunctival sac of horses and bovines, (26) 176.
dried fruits and vegetables, (34) 430.
fermenting tea, (32) 111.
fresh eggs, (28) 765.
kumiss and katyk, (28) 779.
lime-sulphur mixtures, (31) 205.
maple sap, (29) 113, 115, 157.
mesenteric glands of cattle, (28) 885.
night soil, effect on soil productivity, (27) 722.
                tetragenus, ammonifying power, (31) 317. tetragenus, notes, (29) 179. tritici, notes, (29) 243.
```

Microorganisms—Continued.	Microtus—
in sausage, (27) 461. silage, studies, (33) 224.	agrestis, control in France, (20) 651. californicus, revision, (40) 254.
soils, (29) 122, 123.	Microweisea misella, notes, (28) 754.
soils as affected by cold, (29) 316.	Microzyms, notes, (38) 647.
soils, notes, (28) 323.	Middlemen in English business between 1660 and 1760, (33) 787.
sugar-house products, (32) 22. tea, investigations, (28) 512.	Middlings-ope also Wheat Oat Ryo etc
method of study, (39) 632.	analyses, (26) 302, 468, 568, 714; (27) 68, 775; (28) 265; (29) 270, 367, 407, 570, 769; (30) 371; (31) 108, 366, 467, 063; (32) 64, 465, 568, 667, 862; (33) 71, 371, 568, 665, 870, (34) 108, 263, 371, 469, 566; (40) 470.
morphology and culture, (26) 372.	(28) 265; (29) 270, 367, 467, 570, 769; (30) 371;
nonlactose fermenter, in files, (28) 756. passage through bisque filter, (26) 676.	862: (33) 71, 371, 568, 665, 870, (34) 168, 263
pathogenic—	371, 469, 566; (40) 470.
bibliography, (28) 178.	Calcium Coment, (52) 04.
distribution by flies, (28) 756.	standard, analyses, (27) 170. v. corn for pigs, (31) 869.
handbook, (30) 379; (32) 78. notes, (26) 276, 676.	Midge, giant, notes, (32) 554.
review of investigations, (28) 178.	Midges call adaptation in (31) 155
textbook, (26) 677. transmission by stable flies, (29) 760.	Midges of Illinois, (34) 654. Mignonette, heredity of self-sterility in, (29) 136. Mildow—see also beet plants
treatise, (38) 480.	Mildew—see also host plants.
penetration of egg shells by, (29) 765.	downy, notes, (32) 544.
permeability of filters by, (28) 677.	downy, treatment, (27) 652.
persistence in puppe and imagines of house flies, (26) 251.	fungi, notes and treatment, (27) 250. notes, (27) 351.
reduction of stains by, (29) 611.	spread from wild to cultivated plants, (26) 243.
relation to—	Mildews of Great Britain, treatise, (30) 745.
aroma in tea, (26) 309. cheese ripening, (37) 503.	Miliary necrosis of the organs in calves, (26) 381. Milichinae, synopsis, (29) 657; (30) 254.
concentration of nutrient substrate, (33)	Military—
630.	hygiene and sanitation, textbook, (34) 389.
nitrogen assimilation in meadows, (26) 422.	instruction in agricultural colleges, (32) 11;
organic soil constituents, (29) 817. removal from water, (35) 187.	(35) 599. Milk—
rôle in—	abnormal, detection, (20) 87; (33) 177. abortion bacillus in, (29) 282, 305, 500, 778; (31)
chemical transformation of soil, (38) 322.	abortion bacillus in, (29) 282, 305, 500, 778; (31)
determination of soil fertility, (26) 123.	79; (33) 679, 875. acid and rennet test, comparison, (29) 75.
formation of clay, (27) 619. nitrogen fixation, (26) 37.	acid-fast bacilli in, (31) 584.
suage termentation, (36) 802.	acidity, (27) 113; (29) 579; (31) 613.
utilization of mineral phosphates, (29) 870. soil infection by, (33) 444.	acidity— alcohol test for, (26) 314.
treatise, (27) 204.	cause, (32) 606.
treatment with copper sulphate, (39) 27.	determination, (29) 75, 807; (33) 112, 208.
Micropalpus comptus, parasitic on grapevine	effect on inactivation of peroxidase, (40) 11.
sphinx, (26) 250. Microplitis—	relation to Streptococcus lacticus, (33) 675. studies, (32) 872; (37) 373.
melianae n.sp., description, (26) 352.	action of heat on after addition of sodium
rufiventris n.sp., (33) 659.	bicarbonate, (40) 613.
spp., notes, (28) 253. Micro-respiration apparatus, description, (32) 67.	action of rennet on, (26) 477; (28) 177. addition of limewater to, (36) 559.
Microscope—	adenin and guanin in. (38) 506.
electrically heated slide chamber, (37) 410.	adenin and guanin in, (38) 506. adulteration, (30) 678; (33) 577.
slides, marking, (38) 732. Microscopes, masonry bases for, (35) 899.	adulteration, detection, (26) 314; (28) 809; (29) 376, 612; (30) 508; (31) 175; (32) 207; (33) 714.
Microscopical technique, encyclopedia, (26) 82.	adulteration, graphic representation, (30) 760.
Microscopy, errors in, (37) 205.	agglutinins for Micrococcus melitensis in, (32)
Microsphaera— alni, investigations, (37) 155.	876.
alni quercina, notes, (33) 745.	albumin, analyses, (30) 67; (32) 259. albumin, identification in solutions, (26) 201.
alni quercina, notes, (33) 745. alni, treatment, (39) 553. quercina, notes, (26) 551; (27) 753; (30) 849.	albumin, in infant feeding, (34) 258.
quercina, notes, (26) 551; (27) 753; (30) 849.	alcohol test, (33) 112, 113, 115; (36) 807. alizarol test, (33) 112.
spp., investigations, (27) 548. Microspira—	Bilzaroi test, (33) 112.
carcinopaeus, description, (32) 442.	alkali-forming bateria in, (33) 675. alkali-forming bateria in, (33) 675. alkalinity and peroxidase, synonymy, (27) 507. altered, methods of analysis, (31) 810. analyses, (26) 80, 171, 309, 711, 770; (27) 375, 473, 676, 677; (28) 65, 178, 207, 372, 565, 670, 811; (29) 50, 208, 207, 673; (30) 178, 288, 712; (31) 358, 462, 509, 672, 760; (32) 162, 369, 412, 577; (33) 277, 577; (36) 614; (38) 73. analysis, casein media for, (26) 576; (29) 718.
desulfuricans, notes, (34) 217.	altered, methods of analysis, (31) 810.
Microsporidiosis— in bees, investigations, (27) 761.	analyses, (26) 80, 171, 369, 711, 770; (27) 375, 473,
in hymenoptera, notes, (27) 459.	(29) 59, 208, 207, 673; (30) 178, 258, 712; (31)
Microsporum equinum, studies, (28) 184.	358, 462, 509, 672, 760; (32) 162, 369, 412, 577;
juglandis, notes, (35) 454; (38) 253.	(33) 277, 577; (36) 614; (38) 73.
juglandis robustum n.var., description, (37)	analysis, casein media for, (26) 576; (29) 718. analytical standards for, (26) 712. anaphylactic reaction, (29) 612.
844.	anaphylactic reaction, (29) 612.
platani n.sp., description, (28) 652. platani, relation to Gnomonia veneta, (30) 351.	and its hygienic relations, treatise, (37) 174.
Microterys—	and its products, bibliography, (31) 176. and its products in the home, textbook, (33)
flavus, notes, (29) 654.	899.
speciosissimus n.sp., description, (26) 254.	and its products, treatise, (28) 473, 674; (34) 380.
Microthrips piercei n.g. and n.sp., description, (31) 550.	and whey, acidity, (40) 11.
Microthyrium sp. on rubber, (37) 253.	animal alkaloid content, (26) 212. * antibodies for Micrococcus melitensis in, (33)
Microtoma carbonaria, destruction by white	84.
fungus, (26) 454. Microtrombidium—	antineuritic substances in, (36) 665.
akamushi, studies, (39) 870.	antiscorbutic value, (39) 771; (40) 272. arsenic in, (27) 677.
pusillum affecting man, (31) 480.	artificial, from soy beans, (33) 660.
pusillum on goats, (31) 284.	artificial, preparation, (27) 74; (34) 558.

Milk—Continued.	Milk—Continued.
as affected by— age of cow, (38) 578.	bacteriological— analysis, (35), 525; (36), 273, 775, 875.
alkali water, (27) 282.	analysis, (35) 525; (36) 273, 775, 875. analysis, error in. (33) 767. analysis, methods, (36) 573, 574. examination, (28) 275; (31) 574, 873; (37) 468; (38) 74, 377, 579, 615.
aikalis, (28) 18.	analysis, methods, (36) 573, 574.
bacterial flora of feeding stuffs, (32) 75. bichromate of potash, (27) 500.	examination, (28) 275; (31) 574, 873; (37) 468; (38) 74, 377, 579, 615
boiling, (31) 505.	index for dirt in, (31) 574.
breed and individuality, (28) 578.	bacteriology, handbook, (30) 378.
cattle diseases, (32) 478, 577.	bacteriology of, (26) 174; (28) 372; (29) 775; (33)
cleanliness of cows and barns, (39) 179. cold storage, (27) 376; (29) 268. cooking, (29) 160.	577, 701; (38) 781. beverages, manufacture, (30) 378.
cooking, (29) 160.	bibliography, (28) 373.
cottonseed products, (31) 370.	biological—
feeding fat soluble dyes, (27) 671. feeding stuffs, (26) 476; (28) 674; (30) 475, 573, 574; (34) 471, 570, 671.	analysis, treatise, (32) 312. examination, (29) 172.
573, 574; (34) 471, 570, 671.	Droperties of, (30) 859.
ioot-and-mouth disease, (33) 577.	biology, (32) 854.
gestation, (39) 280.	biology, (32) 854. biorization, (32) 473; (34) 875; (35) 677. biorization y. pasteurization, (34) 572.
freezing, (27) 473. gestation, (39) 280. grazing and dry-stall feed, (33) 275.	biorizator, description, (35) 677. biorized, notes, (32) 77, 269. bitter and runcid, studies, (37) 273.
green alfalfa, (39) 281	biorized, notes, (32) 77, 269.
hypoplasia mammaria, (27) 176.	blue, bacteriology of, (32) 775.
lactation stage, (28) 470. parturition, (37) 172.	blue, cause of, (31) 374.
pasteurization, (29) 109.	board of Massachusetts State Department of
phosphorus compounds in rations, (26) 775. plane of nutrition, (35) 774; (36) 669; (37)	Health, report, (37) 372. boiled—
272.	and unboiled, effect on intestinal flora, (40)
potassium bichromate, (31) 507.	867.
sodium citrate, (31) 710.	detection, (26) 711, 712; (27) 13, 311; (28) 611; (32) 413.
sodium fluorid, (40) 613. stage of lactation, (39) 280.	for infants, (30) 760; (32) 857; (36) 264.
sulphate of ammonia, (27) 506.	for infants, (30) 760; (32) 857; (36) 264. for young animals, (30) 760.
temperature, (39) 181.	nutritive value, (34) 659.
utensils, (39) 179. as cheap food, (36) 862.	serological action, (35) 382. v. raw. studies. (29) 360.
food, (37) 669.	v. raw, studies, (29) 360. boiling, (34) 572. boron in, (30) 168.
sole diet of ruminants, (40) 767.	boron in, (30) 168.
source of diphtheria infection, (40) 79. source of vitamin, (39) 570.	bottle filler as source of bacteria, (35) 880. bottled, cooling, (86) 573.
Australian, composition, (26) 775.	bottled, cooling, (36) 573. bottled, pasteurizing, (35) 677.
Babcock test, (40) 378.	pottled, regulation, (27) 178.
Bacillus abortus in, (27) 281; (39) 83; (40) 184. Bacillus abortus in, detection, (32) 674.	as source of bacteria, (33) 876; (38) 879.
bacteria—	paper v. glass. (27) 777.
action on proteins, (40) 377.	relation to typnoid fever, (28) 879.
activity under neutralized conditions, (29)	sterilization, (27) 282.
877. as affected by mechanical action, (26) 80.	washing costs, (33) 876. washing trials, (33) 382.
as affected by stables, (30) 676. as affected by temperature, (35) 777.	buffalo, analysis, (28) 274; (29) 278.
as affected by temperature, (35) 777. counting, (29) 206; (31) 78; (38) 476; (39) 76,	by-products, utilization, (26) 779. calcium content as factor in coagulation, (33)
383.	674.
description, (34) 776.	calculation of added water in, (40) 412.
determination in, (29) 75; (31) 507; (33) 767,	calculation of nutritive value from routine tests, (40) 576.
876; (34) 271, 612; (38) 615. growth at different temperatures, (26) 880.	caloric estimation of percentage-mixtures, (27)
neat resistance, (39) 78.	664.
in relation to flavor and odor, (35) 777.	canning industry in United States, (32) 210.
metabolism of, (31) 873. nonspore-forming, (36) 474. protease production, (39) 281. reducing power of, (28) 473. reductase test for, (31) 209.	cans, aluminum, use, (31) 375. cans as source of bacteria, (38) 878.
protease production, (39) 281.	cans, jacketing, (31) 771. cans, notes, (32) 590.
reducing power of, (28) 473.	cans, notes, (32) 590. cans, ordinary v. insulated, (32) 270.
significance, (34) 672.	cans. tests, (38) 679.
significance, (34) 672. sources, (38) 880.	capillary and absorption phenomena. (26) 711
spore-pearing, studies, (35) 378	capillary phenomena, (28) 807. carabao's, analyses, (30) 669, 761.
studies, (29) 173. useful and harmful, (33) 78.	carabao's, composition. (31) 374.
bacterial—	care and handling, (35) 99.
action on, (39) 882.	care in hot weather, (27) 767.
contamination, (28) 276; (32) 577; (33) 876; (38) 578.	care of, (28) 75, 371, 094. care on the farm. (29) 71; (32) 473.
content, (28) 274, 315; (27) 281; (28) 372; (29)	care on the farm, (29) 71; (32) 473. cart, description, (28) 176.
75, 279; (30) 877; (39) 179.	case, description, (28) 176. caseincasion in presence of iodids, (28) 609. casein—see also Casein.
bacterial content as affected by— clarification, (39) 484.	
factors at barn, (37) 684. feeding stuffs, (30) 573.	fat test for, (31) 674. isoelectric point of, (31) 175.
feeding stuffs, (30) 573.	isoelectric point of, (31) 175. lysin content, (31) 559.
gargety and high count cows, (37) 874. stable air. (34) 183, 473.	mineral elements in, (30) 611.
stable air, (34) 183, 473. utensils, (38) 878.	tryptic and poptic cleavage, (26) 565.
Dacteriai—	catalose
content, determination, (26) 315; (29) 717; (31) 507.	activity, (27) 109; (35) 10. and reductase determination in, (33) 414.
content, factors affecting, (29) 878.	in, (28) 611.
count, (40) 673.	investigations, (26) 112.
count v. sediment or dirt test, (35) 676. counts, stating results of, (26) 577.	cell content, (26) 370; (30) 677; (31) 372. cellular elements in, (29) 278; (33) 175.
hemolysin in, (39) 580.	certification, (26) 371.

Milk-Continued.	Milk-Continued.
certified—	condensed—continued.
abortion bacillus in, (37) 981.	determination of fat content, (27) 497; (33)
cost of production, (34) 380. unprovement, (34) 271.	for infants. (36) 558.
production, (29) 878; (30) 474; (36) 572.	imports into Peru, (27) 469.
production and distribution, (28) 277.	in tropical climates, (32) 675.
champagne, preparation, (29) 175. changes in, (35) 777.	in Bermuda, (36) 275. in tropical climates, (32) 675. industry in United States, (30) 777, 791.
changes in at low temperature, (27) 460; (31)	manufacture, (33) 504.
373,659. chemical and bacteriological standards, (27)	manufacture and importance, (29) 476. methods of analysis, (31) 114; (33) 176.
281.	nutritive value, (31) 161.
chemistry and physical constants, (26) 477.	remade milk from, (40) 803. sanitary studies, (35) 366.
chemistry of, (26) 775; (28) 372; (32) 606. chemistry, practicum, (31) 413.	sediment in, (34) 503.
chemistry, progress in, (28) 112; (29) 805; (30)	standards, (26) 80; (29) 777.
chemistry, progress in, (28) 112; (29) 805; (30) 207, 313; (33) 673.	studies, (26) 80. sweetened, (40) 555.
chlorin content, (27) 715; (28) 314. chloroformic coagulation of, (32) 472.	treatise. (31) 375; (40) 283.
chocolate-	vegetable, notes, (26) 809.
analyses, (26) 506. determination of lactose and sucrose in, (40)	condensing factories in Norway, (29) 897. constituents, new, (38) 611.
14.	constituents, soluble, constancy of, (26) 507.
methods of analysis, (27) 498, 613; (29) 799. cholesterol in, (26) 775; (40) 11. citric acid content as affected by heat, (39) 502.	constituents, utilization, (30) 378. consumption in New York City, 1918, (39) 67.
cholesterol in, (26) 775; (40) 11.	contamination, elimination, (34) 185.
clarification, (32) 873; (34) 271; (35) 778; (37) 475; (38) 75; (40) 675, 775.	contamination, sources of, (26) 171.
(38) 75; (40) 675, 775. clarifier as source of bacteria, (38) 880.	contests, (28) 176; (34) 874. contests, educational value, (26) 478.
clarifier slime, analyses, (37) 476.	contests in Michigan, (39) 383.
clarifier slime, analyses, (37) 476. clarifiers, studies, (36) 274.	contests, rôle in improving milk supply, (40)
clarifying, (39) 484. classification at New York, (27) 678.	575. control in stores, (29) 776.
classimeter, description, (36) 875.	control stations in Norway, (30) 194.
clean, production, (31) 771.	control unions in Denmark, (29) 278.
clotting investigations, (32) 174. coagulability and digestibility, (34) 611.	coolers, tests, (30) 272. cooling, (35) 175; (40) 475, 675.
coagulation, (34) 380; (36) 610.	cooling apparatus, description, (50) 155.
coagulation as affected by— chlorin and bromin, (28) 504.	cooling on the farm. (36) 573; (39) 679.
fat content, (31) 873.	cost of delivery, (38) 683.
salts of gold group, (27) 109.	cost of distribution, (38) 177; (39) 182.
treatment, (28) 878.	cost of production, (26) 274, 299, 474; (27) 878
by alcohol. (33) 113.	cooling box, notes, (32) 590. cooling box, notes, (32) 590. cooling on the farm, (36) 573; (39) 679. cost of delivery, (38) 683. cost of distribution, (38) 177; (39) 182. cost of pasteurizing, (31) 188. cost of production, (26) 274, 299, 474; (27) 878 (28) 673, 796; (29) 278, 673, 876; (30) 377; (31) 573; (32) 388, 471; (33) 78, 276, 694; (34) 299, 380, 771; (35) 674, 872; (30) 271, 376, 473, 872 873; (37) 474, 575; (38) 279, 478, 778, 894; (39) 382, 676, 677, 782, 784; (40) 282, 375, 376, 474 878.
proteolytic ferments, (28) 112. rennet, (28) 372; (29) 775; (32) 503 sodium nucleinate, (33) 177.	573; (32) 368, 471; (33) 78, 276, 694; (34) 299
sodium nucleinate. (33) 177.	873; (37) 474, 575; (38) 279, 478, 778, 894; (39
in the stomach, (29) 360.	382, 676, 677, 782, 784; (40) 282, 375, 376, 474
in the stomach, (29) 380. studies, (30) 311, 312; (33) 674. colloid chemistry, (27) 500. colon count, (40) 376. coloration of reagents by, (29) 412.	878. cost of production—
colon count, (40) 376.	and prices, (40) 281. in Austria, (28) 594.
coloration of reagents by, (29) 412.	in Austria, (28) 594. Canada, (27) 670.
	Connecticut, (37) 776.
commissions, medical, in United States and Canada, (36) 572.	France. (27) 473.
commissions, work against tuberculosis, (38) 381.	Hungary, (27) 676. Italy, (28) 775.
composition, (26) 80, 880; (27) 506; (28) 176, 274, 374; (29) 775; (31) 505; (32) 412, 607; (38) 279.	relation to size of cows, (34) 773.
374; (29) 775; (31) 505; (32) 412, 607; (38) 279.	relation to size of dairies, (38) 777. creaming ability, (36) 76.
composition and characteristics, (34) 380. composition as affected by—	creaming as affected by heating, (36) 674.
calcium phosphate in rations, (34) 270.	creatin and creatinin content, (31) 760.
drugs, (30) 678. feeding stuffs, (26) 273, 673, 879; (27) 677; (29)	cryoscopic examination, (26) 211, 410. cultures, htmus substitute for, (37) 686. curd as an index of food value, (32) 558.
277, 374, 776.	curd as an index of food value, (32) 558.
ingestion of placenta, (37) 873.	curd, determination of custicity, (50) 610.
protein, (26) 79. stage of lactation, (37) 373.	curdling as affected by pasture soils, (30) 573. curdling in stormy weather, (28) 372; (32) 873.
water in the ration, (35) 275.	daily per capita consumption, (39) 282. dealers, organization in New York, (28) 776. decalcified, for infants, (40) 661. decomposition, detecting degree of, (26) 112. decomposition determination (28) 314.
composition— as drawn by the calf. (26) 673.	decalcified, for infants, (40) 661.
as drawn by the calf, (26) 673. at different stages of milking, (29) 374. diurnal variation in, (29) 375. forters of cating, (28) 372, (30) 178, (33) 274;	decomposition, detecting degree of, (26) 112.
diurnal variation in, (29) 375. factors affecting, (28) 372; (30) 178; (33) 274;	decomposition, determination, (28) 314.
(38) 682.	decomposition products, (26) 775 defects, notes, (27) 474.
variations in, (29) 673; (32) 369; (33) 174; (35)	delivery, waste in, (33) 675. deposit from in centrifuge, (31) 271.
275. condemned, utilization, (30) 378.	deposit from in centratige, (31) 211.
condensed—	analyses and standards, (39) 716.
acidity (89) 415.	composition, (28) 113. manufacture, (30) 476.
analyses, (26) 171, 776; (29) 674, 830; (30) 178, 475, 669; (33) 277; (35) 176; (40) 379. and evaporated, in United States, (38) 866.	manufacture and importance, (29) 476.
and evaporated, in United States, (38) 866.	methods of analysis, (28) 113; (37) 508.
and soy bean flour for infants, (27) 664; (35) 556.	treatise, (29) 777. destruction of citric acid in, (36) 415.
hauteria in. (29) 777; (31) 375; (32) 873.	detection in pastry, (40) 612.
composition and nutritive value, (31) 772.	determination of— casein in, (39) 206.
cytology and bacteriology, (31) 771.	contern real fairl man.

Milk—Continued.	Milk—Continued.
determination of—continued.	fat as affected by—
degree of homogenization, (34) 612. dirt in, (26) 507; (27) 810; (28) 808; (30) 875,	acetic acid, (34) 507. age of cow, (38) 578.
876.	age of cow, (38) 3/8.
dry matter in, (30) 710.	cottonseed oil feeding, (35) 775. cottonseed products, (37) 72.
fat-free solids in, (30) 314.	parturition, (37) 172.
freezing point, (33) 414. freshness, (36) 475, 507.	parturition, (37) 172. Penicillium roqueforti, (31) 107.
manure in, (34) 272; (39) 882.	plane of nutrition of cow, (35) 774; (36) 669. temperature, (29) 580; (37) 373.
phosphorus in, (27) 208.	fat— (29) 380; (81) 378.
quality, (31) 674; (38) 74.	as growth stimulant for young animals, (34)
specific gravity, (26) 610.	561.
total solids in, (26) 806; (27) 715; (33) 112.	as measure of value of milk, (34) 671.
development of bacilli in, (30) 574. diabetic, analyses, (26) 171.	buffalo, analyses, (37) 272.
differentiation of streptococci in, (27) 177.	changes in composition, (39) 280. changes in during lactation, (37) 373.
diffusible phosphorus of. (34) 271.	changes in during storage, (36) 773.
digestibility, (32) 768.	composition as affected by feeding stuffs,
digestibility, and means of increasing it, (33) 460.	(26) 170.
digestibility as affected by fat, (33) 663. digestion, (26) 662; (27) 168; (36) 559. distributing plants, wastes in, (28) 373.	composition as affected by sugar beets, (33) 674.
distributing plants, wastes in, (28) 373.	composition, variation in. (30) 272, 273.
distribution, (40) 280.	computer for, (33) 475.
distribution—	constants, investigations, (26) 806.
hygienic system, (28) 176. in Boston, (39) 676.	content and yield, correlation, (39) 579. fat content as affected by—
Chicago, (39) 282.	feeding stuffs. (28) 175.
cities, (28) 675.	feeding stuffs, (28) 175. guinea grass, (30) 678. method of milking, (29) 373. milking machines, (29) 774.
Minneapolis and St. Paul, (33) 492.	method of milking, (29) 373.
of phosphoric acid in, (26) 610.	miking machines, (29) 774. work, (30) 475.
priority scheme in England, (38) 265. relation to public health, (32) 76.	fat content—
distributors, cost accounting for, (38) 392.	at various stages of milking, (32) 75.
dried—	calculating, (39) 612.
analyses, (30) 669; (38) 804; (40) 379. analyses and bacterial content, (28) 278.	daily changes in, (30) 474. factors affecting, (27) 677. Improvement by breeding, (30) 376.
anlayses and use, (28) 359.	improvement by breeding, (30) 376.
as food for infants, (32) 760. as substitute for whole milk, (34) 459.	increasing, (30) 574; (31) 673.
as substitute for whole milk, (34) 459.	increasing, (30) 574; (31) 673. relation to digestibility, (33) 163. variations in, (39) 483; (40) 300.
bacterial content, (32) 873.	variations in, (39) 483; (40) 300.
effect on bread, (28) 459. methods of analysis, (33) 505.	fat — cost of production, (38) 478.
testing, (29) 876.	detection of foreign fats in, (39) 715.
educational scoring, report, (40) 673.	determination, (26) 169; (27) 113, 497; (28)
effect of X-rays on fermentation, (27) 231.	808; (33) 16; (39) 313.
effect on— calcium and magnesium metabolism, (39)	fat, determination—
876.	in margarin, (36) 715. of fatty acids in, (39) 15. of hardness, (32) 413.
gastric secretion, (26) 466. intestinal flora, (33) 460; (36) 664, 665. mortality and growth, (33) 460.	of hardness, (32) 413.
intestinal flora, (33) 460; (36) 664, 665.	of moisture content, (31) 508.
reduction of nitrates by aldehyde, (26) 507.	fat— digestibility, (36) 861.
streptococci, (28) 580.	effect on growth, (30) 560.
Egyptian buffalo, analyses, (35) 276. electrical conductivity, (26) 314; (27) 677; (33)	effect on growth, (30) 560. ewe's, fatty acids in, (38) 12. factors in, (32) 368. fatty acids in, (31) 175; (38) 12.
electrical conductivity, (26) 314; (27) 677; (33)	factors in, (32) 368.
203.	fat globules—
emulsion, for calves, (29) 369. enzym action in, (29) 775; (32) 299. enzym content as affected by diseases, (28) 885.	as affected by temperature, (34) 570.
enzym content as affected by diseases, (28) 885.	casings of, (29) 806.
enzyms, filtering, (39) 713. enzyms in, (32) 411; (38) 479.	membranes of, (26) 171.
enzyms in, (32) 411; (38) 479. errors in testing, (26) 371.	relation to churning, (26) 477. studies, (29) 579.
evaporated—	fat
analyses, (33) 277.	glycerids of, (31) 804; (40) 608. human, composition, (27) 506.
coagulation, (34) 78.	human, composition, (27) 506.
determination of fat in, (27) 497; (37) 507. determination of solids in, (30) 509; (37) 508.	isolation of growth-stimulating substances in, (32) 360.
fishiness in. (37) 686.	judging, (26) 713.
fishiness in, (37) 686. for infants, (36) 558. methods of analysis, (31) 115.	losses in creameries, (40) 377.
methods of analysis, (31) 115.	low molecular glycerids of, (33) 808.
tests, (35) 176.	nitrogen and phosphorus in, (33) 564. oxidation, (39) 786.
evening and morning, dirt content, (26) 574. ewe's, analyses, (26) 275. ewe's, butter from, (26) 275. examination, (26) 507, 575; (27) 411, 506; (34) 76;	percentage, inheritance of, (31) 372; (40) 74.
ewe's, butter from, (26) 275.	physical and chemical constants, (28) 878.
examination, (26) 507, 575; (27) 411, 506; (34) 76;	pigments, investigations, (32) 18.
(38) 480.	pigments, relation to plant pigments, (31)
examination— errors in, (26) 210.	production and income, (39) 483.
for Bacillus sporogenes, (33) 875.	production as affected by oestrum, (39) 882. production, estimating, (39) 77.
handbook, (40) 376. excretion of tubercle bacilli into, (26) 777, 884;	production, estimating, (39) 77.
excretion of tubercle baculi into, (28) 777, 884;	production, relation to age, (89) 881.
(29) 583. expansion of, (32) 471.	production, relation to age, (39) 381. rancidity, (39) 485. Reichert-Meissl number, determination,
factors affecting gravity filtration, (30) 876.	(40) 412.
farinaceous, definition and analyses, (34) 365.	relation to solids-not-fat, (37) 113. secretion, studies, (38) 779.
191 see diso rat.	secretion, studies, (38) 779. separation from nonfatty material, (35) 805.
analytical standards for, (26) 712. and butter, differences between, (38) 280.	separation of fat-soluble A from, (37) 308.
and lard, comparative value for growth, (36)	7-day test, reliability, (34) 472.
160.	specific heat, (32) 715.

Milk—Continued.	Milk—Continued.
fat-continued.	goat's-continued.
testing for, (39) 182.	cost of production, (36) 173.
variation in, (30) 875; (31) 871, 872; (32) 174, (36) 571.	detection in cow's milk, (33) 504. for infant feeding, (37) 570, 575.
variations due to time of milking, (34) 670.	for tuberculosis patients, (35) 166. iron content, (27) 677.
viscosity, (31) 209.	1ron content, (27) 677.
vitamin content, (39) 770. yield, relation to body weight, (29) 374.	production of, (36) 173; (37) 575. secretion as affected by pituitrin injection
feeding, bibliography, (31) 174.	(39) 678.
fermentation of citric acid in, (26) 112. fermented—	v. cow's, for infants, (32) 66. yields, (30) 572.
in infant feeding, (35) 470.	grading, (35) 677; (36) 176, 274, 874; (38) 479.
notes. (27) 880: (32) 662: (40) 379.	grading in small cities, (36) 474.
preparation, (39) 486. preparation and use, (27) 75.	growth of Bacterium lactis acidi in, (32) 76. growth of streptococci in, (32) 174.
products, composition, (36) 674.	handbook, (26) 779.
studies. (34) 474. fermenting power, (31) 413.	handling and delivering, (30) 877. handling and delivering, losses in, (32) 370.
ferments, lipolytic, studies, (32) 20.	handling in pint bottles, (32) 575.
fever—	handling in pint bottles, (32) 575. haptines in, (26) 374.
etiology and pathology, (26) 380.	heat production in during souring, (26) 872. heated—
pathology, (34) 184. studies, (27) 185. treatment, (26) 285, 380, 580.	bacterial content, (32) 268. detection, (26) 212, 712; (27) 498, 506, 507; (29)
treatment, (26) 285, 380, 580.	detection, (26) 212, 712; (27) 498, 506, 507; (29)
first and last drawn, composition, (29) 474; (30) 178.	612, 806. dietetics. (36) 877.
flavors and odors in relation to chlorin content,	dietetics, (36) 877. digestibility, (29) 662. loss of nutritive efficiency, (34) 368. hemolytic streptococcd in, (35) 680; (40) 478.
(38) 112.	loss of nutritive efficiency, (34) 368.
flow as affected by diuresis, (34) 570. flow, factors affecting, (36) 670.	hexose sugar in. (33) 311.
flow, relation to fat content. (31) 174.	hexose sugar in, (33) 311. high v. low testing, for cheese making, (34) 473.
1000 Value, (29) 564; (31) 656; (39) 282.	high-grade, difficulties in making, (33) 473. homogenization, (36) 275.
food value, (29) 564; (31) 656; (39) 282. for calves, (29) 771. chickens, (32) 264; (39) 376.	homogenized—
growing cnicks, (37) 708.	cheese from. (31) 875.
mant feeding, composition, (35) 165 infants, (26) 171; (36) 558.	for infants, (36) 558.
intants, analyses, (30) 669.	digestibility, (32) 768. for infants, (36) 558. studies, 31, 475.
infants and invalids, (39) 883. infants, calcium content, (40) 661, 869.	nomogenizing experiments, (29) 879.
infants in Saxony. (31) 573: (32) 873.	hot-bottled, cooling by forced air, (36) 174. hot, bottling, (33) 382.
infants in Saxony, (31) 573; (32) 873. young animals, (31) 174.	hot, bottling, (33) 382. hot pasteurized, bottling, (31) 275.
formaldenyde in, detection, (40) 413.	houses, construction, (34) 789; (36) 390, 788; (37) 591.
formaldehyde in, detection, (40) 413. fox's, analyses, (38) 577. freezing point, (27) 677; (30) 113; (32) 412; (33) 203, 414, 504.	houses for prairie farms, (35) 689.
203, 414, 504. fresh detection (30) 777	human—
freshly drawn, bacteria in, (35) 674.	analyses, (26) 80, 711; (30) 665, 669; (31) 258; (35) 316, 557. and bovine, dufferentiation, (26) 507; (31)
fresh, detection, (30) 777. freshly drawn, bacteria in, (35) 674. freshly drawn, specific weight, (30) 272. from cows affected with streptococcic mastitis,	and bovine, differentiation, (26) 507; (31)
(29) 206.	674; (32) 20. antibody content, (29) 778. artificial substitute for, (34) 558. as affected by cooking, (29) 160; (31) 505. as affected by gestation, (39) 280. casein of, (39) 668. chemistry of, (34) 461. cholesterol in, (40) 11. comploment of, (26) 370. composition, (27) 363; (33) 660; (37) 273; (40) 775.
cows infected with contagious abortion.	artificial substitute for, (34) 558.
(32) 677; (33) 774. cows of fresh lactation, detection, (29) 477;	as affected by cooking, (29) 160; (31) 505,
(30) 180, 475; (32) 674. different breeds, protein reactions, (32)	casein of, (39) 668.
different breeds, protein reactions, (32) 558.	chemistry of, (34) 461.
different quarters of udder, (31) 873; (34)	complement of (26) 370.
270.	composition, (27) 363; (33) 660; (37) 273;
diseased animals, detection, (29) 480. diseased udders, studies, (27) 287, 878.	
Fargo restaurants. (39) 68.	composition and analyses, (38) 65. examination, (28) 878.
foot-and-mouth diseased cows, (27) 379, 577; (28) 679; (30) 475, 573; (32) 76.	examination, (28) 878. fat content, (29) 278. fat pigments of, (31) 275.
heifers and cows, fat content, (34) 472.	green color in, (34) 863.
individual cows, variations in, (28) 579	hemagglutinins in, (29) 175.
pasture-fed cows, (32) 870. siok cows, analyses, (32) 577.	iron content, (32) 472. lactose content, (39) 315.
sick cows, composition and characteris-	nonprotein nitrogen in, determination, (40)
sick cows, composition and characteris- tics, (35) 275.	509.
slop-fed cows, danger of, (26) 370.	peptid-splitting enzym in, (26) 803. peroxidase of, (26) 410.
tuberculous goats, danger, (27) 683. vaccinated cows, tubercle bacilli in (29) 583.	protective power against beriberi, (31) 858
from dispense, description, (21) 474,	protein content, (31) 413.
frozen, analyses, (34) 473. frozen, chemical and physical constants, (27)	reaction et (40) 268. viscosimilarie studies, (27) 811.
473.	nydrogen peroxid in, (35) 11.
frozen, investigations, (28) 775, 776. gas formation in, (35) 676.	hygiene—
gas-forming bacteria in, (26) 576.	bibliography, (31) 174. for veterinarians, treatise, (30) 276.
germicidal effect of lactic acid in, (33) 450.	notes, (30) 473.
glands, anatomy of, (30) 178. goat's—	notes, (30) 473. principles and practice, (38) 280. review of investigations, (32) 76.
analyses, (30) 575, 669, 777; (38) 780.	textbook, (31) 676. textbook, (31) 676. treatise, (29) 877. immunized, use against typhoid fever, (34) 272 industrial treatments, (40) 415. industry, history, (40) 879. industry in Wisconsin, (30) 679. infastrican by netheronic posterio (45) 384.
and its use, (32) 873.	treatise, (29) 877.
composition, (29) 376; (31) 374; (34) 708; (37) 575; (40) 775.	industrial treatments. (40) 415.
composition and examination, (27) 506.	industry, history, (40) 879.
composition and uses, (38) 177.	industry in Wisconsin, (80) 679.

Milk-Continued.	Milk—Continued.
infection in the home, (26) 673. infection with Bacterium syncyaneum, (26) 87.	of carabaos, analyses, (39) 785.
infectious diseases of, (29) 473.	cows and Indian buffaloes, nutritive value, (26) 574.
inspection—	cows in heat, (30) 475.
administrative side, (28) 276.	pathologic origin, detection, (26) 610. Porto Rican cows, analyses, (30) 678.
cost, (31) 79. discussion, (27) 678; (33) 701.	tuberculous women, tubercle bacılli in, (27)
in Canada, (26) 157. Dorpat, Russia, (28) 178	480.
Germany, (28) 736.	various animals, composition, (40) 775. old, detection, (27) 498.
Germany, (28) 736. Glasgow, (28) 178.	onion flavor in, (37) 683; (39) 381.
Kentucky, (28) 65; (34) 775. Louisiana, (27) 375.	ordinance, guide for formulating, (38) 177. organisms, yellow, studies, (34) 77.
North Dakota, (28) 661, 675. Oregon, (32) 778.	origin of sulphocyanogen in, (26) 477.
Oregon, (32) 778.	osmotic pressure, (27) 677. oxygenation, (37) 174.
use of score card in, (26) 274. weaknesses of, (29) 580.	ozonization of, (31) 175.
inspectors, appointment and compensation,	pail, description, (28) 277; (34) 571.
(36) 774.	ozonization of, (31) 175. pail, description, (28) 277; (34) 571. pails, small-top, (39) 179. pails, tests, (30) 375.
iron content, (27) 411, 412; (28) 611, 808; (32) 370, 472; (33) 875.	paracasein, tryptic and peptic cleavage, (26)
370, 472; (33) 875. judging, (26) 774; (27) 810; (29) 206; (32) 413; (33) 577; (34) 12 113; (39) 111.	pasteurization, (26) 275, 282, 283, 577; (27) 178,
judging, biological method, (31) 506; (36) 475,	pasteurization, (26) 275, 282, 283, 577; (27) 178, 281, 678; (28) 378; (29) 73, 109, 675; (31) 276; (32) 268; (33) 577; (34) 571, 572; (35) 99; (36) 474, 674; (39) 78, 888; (40) 675, 776.
507.	474, 674; (39) 78, 888; (40) 675, 776.
judging by score cards, (27) 74. keeping quality during transportation, (34) 672.	pasteurization—
labeling, (36) 176.	at low temperature, (37) 777. compulsory, (36) 675; (39) 182.
lactic fermentation test, (36) 476.	compulsory, (36) 675; (39) 182. experiments, (35) 482. handbook, (36) 274. in bottles, (31) 275; (32) 575, 576; (33) 382;
lactose content, (39) 315. law in Michigan, (30) 74.	18.10000K, (36) 274. in hottles (31) 275: (32) 575 576: (32) 389:
law in New Jersey, (35) 873.	(36) 174.
law in Pennsylvania, (27) 767.	in Denmark, (34) 874.
laws and regulations in— Germany. (28) 776.	investigations, (35) 276. pasteurized—
Germany, (28) 776, Nebraska, (30) 679. United States, (33) 874. legislation in United Kingdom, (26) 478.	and raw, differentiation, (37) 415.
legislation in United Kingdom. (26) 478.	and raw, multiplication of bacteria in, (36)
leucocyte test for, (31) 209.	and sterilized, calcium absorption from,
leucocyte test for, (31) 209. leucocytes in, (33) 382. machine and hand-drawn, bacterial content,	(27) 168. bacterial activity in, (37) 874.
(27) 574; (32) 470.	control of temperature, (28) 775.
machine drawn, bacterial content, (31) 475; (32) 673; (35) 776.	
malted, microanalysis, (40) 509.	674; (31) 874; (33) 175, 382; (35) 573; (39)
malted, microanalysis, (40) 509. manual, (32) 660.	for cheese making, (28) 581, 675; (29) 475, 674; (31) 874; (33) 175, 382; (35) 573; (39) 282, 582; (40) 80. for infants, (31) 460; (40) 364. for young animals, (29) 287. in bottles, silicic acid content, (33) 675.
market—	for young animals, (29) 287.
contests, (36) 375, 774. enzyms in, (26) 313.	in bottles, silicic acid content, (33) 675.
nigh Dacterial Counts, (36) 2/4.	1055 Of Olemin 1116 On, (00) 15.
inspection, (31) 175. investigations, (28) 473.	resorption of lime from, (27) 282.
legal standards, (26) 478.	Score card for, (35) 572.
of Iowa, (35) 572. prices in United States, (30) 377.	microscopic test, (34) 113; (35) 574. resorption of lime from, (27) 282. score card for, (35) 572. pathogenic bacteria in, (32) 473. pathological, detection, (26) 25, 212; (27) 13, 14, 411, 810, 811, 878; (28) 373, 680; (29) 612. pathological in manufacture of chases (29) 676.
standardization, (39) 883.	411, 810, 811, 878; (28) 373, 680; (29) 612.
marketing, (32) 874; (38) 683; (39) 182. marketing in Florida, (39) 282.	pathological, in manufacture of cheese, (26) 676 payment for at cheese factories, (28) 278, 776;
marketing in New York, (38) 293.	(30) 476; (36) 876; (37) 374. peroxidase, nature of, (30) 11. peroxidase, notes, (27) 803.
mastitis, hemolytic action, (27) 782. medicated, preparation and use, (31) 258.	peroxidase, notes, (27) 808.
	peroxidase reactions, (32) 412. peroxidase test, studies, (29) 311. phosphatids in, (30) 312; (33) 660; (36) 862. physical and chemical constants,(28),372.
methods of analysis, (26) 112, 171, 212, 805; (28) 276, 314; (29) 278, 809; (31) 114; (33) 258, 613; (34) 713; (35) 316; (39) 14; (40) 376, 476.	peroxidase test, studies, (29) 311. phosphatids in. (30) 312; (33) 660; (36) 862.
613; (34) 713; (35) 316; (39) 14; (40) 376, 478.	physical and chemical constants, (28) 372.
or examination, (20) 611; (80) 8(1.	plants, not water for, (28) 892.
methods of examination, treatise, (26) 111. methods of sampling. (26) 313.	plants, sanitary surveys, (36) 774. plants, use of exhaust steam by, (38) 390.
methylene blue reduction, relation to oxygen	plants, use of fuel in, (40) 476. poisoning due to staphylococci in udder, (32)
concentration, (40) 613. microorganisms in, (31) 373.	872.
microscopic examination, (39) 76, 383, 384.	powder—
mineral constituents, (29) 366; (38) 804. mixtures, calculation card, (40) 377.	analyses, (26) 171; (29) 476, 880. as leavening agent, (33) 66. characteristics and uses, (28) 675.
modified, coagulation in the stomach, (29) 360.	characteristics and uses, (28) 675.
modified, preparation, (30) 669. modifying for infant feeding, (33) 163.	cold storage, (27) 401. examination, (30) 664.
mold, action on phenylaminoscetic acid, (33)	cold storage, (27) 461. examination, (30) 664. in northern Europe, (30) 177.
503.	manufacture, (29) 475; (30) 778; (35) 678. manufacture and use, (26) 81.
neutralization precipitate, (36) 299. nitrogenous constitutents, bacterial action on,	methods of analysis, (33) 176.
(39) 882.	microscopic appearance, (37) 415. preservation, (34) 474. remade milk from, (40) 808.
nonlactose fermenters in, (32) 472. nonprotein nitrogenous constituents, determi-	remade milk from, (40) 808.
nation, (40) 509.	starters in creameries, (28) 796.
nontuberculous, in Guernsey, (27) 83. nutritive value, (34) 164.	starters in creameries, (23) 796. studies and analyses, (40) 379. treatise, (31) 375; (40) 283.

Milk—Continued.	Milk-Continued.
preparations, dried, examination, (30) 669 preservation, (26) 171; (32) 576; (33) 502, 503,	production, relation to—continued. escutcheon, (29) 775; (34) 670.
▶ 577.	form and weight, (29) 473.
preservation by freezing, (33) 675.	glands of internal secretion, (37) 173, 272,
preservation of samples, (30) 13, 14. preservatives—	width of jaw in cattle, (28) 472. production—
analyses and detection, (26) 806.	review of literature, (26) 266.
composition, (27) 811.* detection, (31) 811.	studies, (28) 272, 774; (31) 670. treatise, (26) 78.
detection, (31) 811. effect on Babcock test, (30) 576.	variation in, (39) 380.
preserved, food value, (32) 662. preserved with formalin for calves, (32) 669; (38)	water requirements for, (40) 774. products—
377.	analyses and use, (28) 359.
price flxing, (40) 299.	analyses and use, (28) 359. Asiatic, analyses, (27) 268.
price in England, (38) 90. price in Germany, (28) 373.	decomposition by microorganisms, (28) 372. determination of fat in, (37) 805.
price in Vaud, Switzerland, (28) 489.	food value, (29) 564; (31) 656.
price paid to farmers, (32) 674. prices, (27) 574.	determination of fat in, (37) 805. food value, (29) 554; (31) 656. for poultry, (39) 780. inspection in Dorpat, Russia, (28) 178.
processing, studies, (40) 675.	manuai, (37) 111.
producers' and consumers' price, (40) 879. producers' convention in Washington, D. C.,	methods of analysis, (31) 114; (40) 507.
(35) 98, 275.	osmotic pressure, (28) 262. pasteurization, (26) 282, 283.
product, fermented, manufacture, (31) 772. production, (26) 774.	
production—	specific heat, (32) 715. testing, (33) 298.
and care, (32) 575.	Meause, (20) 170.
conformation, correlation, (28) 878. distribution, (28) 278; (40) 280. handling, (29) 71; (40) 673.	protein— as affected by lactic ferments, (33) 714
handling, (29) 71; (40) 673.	composition and digestibility, (35) 165.
inspection in Hawaii, (27) 877. inspection in New England, (34) 380.	content, (31) 413.
marketing in Delaware, Maryland, and	digestibility as affected by rennin, (36) 559. efficiency for growth, (33) 465; (35) 562.
Pennsylvania, (39) 677. marketing in New England, (39) 676.	efficiency for milk production, (33) 276.
percentage of fat, correlation, (39) 579.	preparation, (34) 461. rôle in infant feeding, (35) 165.
percentage of solids, hereditary factors,	protein-free, (40) 463, 608.
(40) 672.	protein-free, preparation, (34) 557.
production, as affected by— age at first calf, (40) 178.	protein-free, studies, (36) 865. proteins—
age of cow, (27) 280; (32) 575; (33) 97; (38)	biologic differentiation, (31) 508.
176; (39) 381. age of sire, (26) 166. cattle ticks, (32) 581, 681. feeding stuffs, (26) 278; (27) 176. costrum, (34) 670; (39) 882. palm put cate. (26) 169.	of, (38) 505, 612. physiochemical state, (40) 501.
cattle ticks, (32) 581, 681.	serological action, (35) 382.
oestrum, (34) 670; (39) 882.	studies, (37) 8; (38) 505. purin content, (40) 205.
palm nut cake, (26) 169. sires, (35) 564, 570; (38) 176. stage of lactation, (38) 683.	quality, factors affecting, (33) 79.
stage of lactation. (38) 683.	quality in relation to score cards, (33) 78, 382.
time of calving, (31) 770, 771.	quality, meaning of term, (38) 479; (39) 77. raw and boiled, differentiation, (31) 507.
changes in during lactation, (37) 373.	and heated, properties, (39) 883. and pasteurized, nutritive value, (31) 460.
cost accounts, treatise, (36) 271.	bactericidal effect, (36) 475.
during heat period, (40) 878. evolution in, (28) 370. factors affecting, (26) 774; (29) 577.	digestibility, (29) 662. for infants, (34) 659.
factors affecting, (26) 774; (29) 577.	nutritive value, (28) 775.
1880, COSES, (39) 452.	pasteurized, and boiled, relative resistance
feeding experiments for, refined methods, (39) 380.	to infection, (34) 272. reaction, (27) 13, 810; (29) 806, 807.
feeding for, (33) 673, 872. feeding standards for, (28) 877.	reaction—
human, as affected by protein in diet, (38)	and calcium content as factors in coagula- tion, (34) 611.
	as factor in coagulation, (33) 674.
improvement, (29) 578, 673; (38) 476. in California, (28) 371. Germany, (31) 475. Ireland, (27) 375. Italy, (27) 472. Norway, (29) 897. United States, (34) 690; (40) 594.	Schardinger's, (28) 372; (31) 507. recipes, (29) 564.
Germany, (31) 475.	recording associations in Denmark, (32) 674.
Italy, (27) 472.	records— analyses, (40) 872.
Norway, (29) 897.	interpretation, (29) 775. of American and Scotch Ayrshires, (37) 775.
winter, (26) 275.	of American and Scotch Ayrshires, (37) 775. of champion cows, (26) 476.
increasing, suggestions for, (30) 483	paper on, (27) 676.
inheritance, (34) 671. inheritance in cattle, (28) 878; (40) 74.	registering in Argentina, (36) 673.
lecture on, (28) 271. mineral metabolism during, (40) 373.	systems for in various countries, (29) 673.
mineral metabolism during, (40) 373.	reducing properties, (28) 372, 412; (35) 203.
notes, (27) 74; (32) 574. nutrients required for, (30) 773; (38) 376. of Ayrshire cows, (29) 876.	reductase test, (32) 809; (39) 206. refractometry of, (26) 210.
of Ayrshire cows, (29) 876.	refrigeration, (31) 575. refrigeration, cost, (35) 175.
buffaloes, (28) 670. different breeds, (28) 272; (39) 579.	refrigeration, cost, (35) 175. refrigeration in transit, (33) 675.
different breeds, (28) 272; (39) 579. half-bred zobus, (30) 74.	refrigerator, homemade, description, (26) 172.
Shorthorns, cost, (39) 182. proteins for, (31) 173; (33) 275; (36) 174, 671;	regulations— in England and Wales, (27) 678.
(40) 572.	New York City, (27) 878.
production, relation to— body weights, (28) 196; (29) 374.	Prussia, (27) 575; (28) 373. United States (28) 575, (25) 200, (28) 274
body weights, (28) 196; (29) 374. conformation, (27) 675; (31) 573; (34) 379.	New York City, (27) 678. Prussia, (27) 575; (28) 378. United States, (28) 575; (35) 800; (36) 874. municipal, (36) 774.

Milk—Continued.	2600 - October 2
reindeer, analyses, (30) 275, 476; (32) 577.	Milk—Continued. sickness—continued.
relation between specific gravity and percent-	studies, (37) 583; (39) 489.
age of fat and total solids in, (33) 112.	transmission to man, (39) 685.
bovine infectious abortion, (36) 480.	significance of colon bacılli in, (37) 574. silicic acid in. (27) 376.
diseases, (28) 674. health, (40) 866.	silicic acid in, (27) 376. skimmed, see Skim milk.
infantile scurvy and beriberi. (30) 861.	slime, examination, (30) 274. slime-making bacteria in, (29) 376.
infantile scurvy and beriberi, (30) 861. Malta fever, (36) 382. public health, (30) 678.	slimy and ropy, studies, (34) 776.
scurvy, (27) 588.	so-called complement in, (33) 878.
scurvy in guinea pigs, (36) 363.	solids— as affected by drying, (30) 13.
scurvy in guinea pigs, (36) 363. septic sore throat, (31) 174; (32) 269; (34) 473.	nonfatty, determination, (38) 314.
tonsilitis epidemics, (32) 577. tuberculosis, (29) 499; (32) 472.	Variations and secretion, (40) 672, 872.
typnoid lever, (28) 258.	variations in, (30) 875.
remade, (40) 802. removal of garlic flavor from, (31) 771.	destruction of B. typhosus in, (40) 476.
removal of turnip flavor from, (26) 673.	for chickens, (35) 773. chicks, (34) 176, 881.
rennet inninition test. (28) 610: (30) 681	laying hens, (39) 577.
resorcinol test, (39) 805. rooms, plans, (34) 487. ropy, notes, (26) 880; (28) 879; (34) 76, 776. rosolic acid test for, (33) 115.	young calves, (33) 269. studies, (39) 613.
ropy, notes, (26) 880; (28) 879; (34) 76, 776.	use against blackhead in turkeys, (30) 587.
samples—	use against diarrhen in chicks, (29) 288; (31) 484.
handbag refrigerator for, (26) 172.	souring, (26) 776; (35) 616.
homogenizing, (27) 614. preservation, (27) 677.	souring
preserved, counts from, (39) 580.	chemical changes in, (34) 802. relation to cockroaches, (26) 347.
sampling, (32) 672; (39) 77.	under neutrolized conditions (20) 277
sanitary— control, (34) 77.	specific gravity, (27) 677; (34) 317.
production, (26) 171; (28) 473, 674, 776; (29)	specific heat, (31) 573; (32) 715.
production, (26) 171; (28) 473, 674, 776; (29) 463, 473; (30) 877; (32) 175, 370, 472, 473, 775; (33) 473, 576, 765; (34) 184, 776, 794; (36) 572, 573; (37) 174; (38) 75, 280, 377, 478, 578, 781, 880; (30) 179.	specific gravity, (27) 677; (34) 317. specific gravity, daily changes in, (30) 471. specific heat, (31) 573; (32) 715. spelling and preservation, (26) 355. spolling and preservation, (26) 355. strongers, (26) 375; (20) 375.
(36) 572, 573; (37) 174; (38) 75, 280, 377.	standards, (26) 275; (29) 777; (40) 864. standards—
478, 578, 781, 880; (39) 179.	and regulations, notes, (27) 678.
production and handling, (27) 576. relation to barns, (29) 500.	bacteriological, in United States, (31) 475.
Sardinian fermented, use, (35) 472.	discussion, (26) 275; (33) 702. for determining purity, (33) 767. in United States, (33) 874.
scales, use, (29) 71. scoring, (35) 176.	in United States, (33) 874. municipal, notes, (32) 871.
secretion—see also Milk production.	of American Public Health Association,
anatomy and physiology, (26) 775. secretion as affected by—	(30) 273.
barley, (34) 269; (40) 878.	practicability, (31) 373. report on, (36) 874.
dipping, (27) 477. diuresis, (32) 74.	Studies, (26) 274.
extracts of organs, (30) 375.	sterile, bacterial content, (32) 872. sterile, ferments in, (28) 411.
pituitary extract, (30) 272; (31) 272; (32) 268,	sterilization, (29) 280; (33) 473; (34) 572.
871. pituitrin, (34) 270.	sterilization— by electricity (29) 580: (30) 776: (31) 175:
protein, (26) 79.	by electricity, (29) 580; (30) 776; (31) 175; (32) 77, 269; (33) 78; (35) 175, 378.
Secretion—	by ozone, (27) 75.
by virgin doe kid, (38) 780. during process of milking, (37) 172.	by ultraviolet rays, (28) 277, 373, 675; (32) 88. Lobeck's biorisator process, (30) 776.
factors affecting, (26) 169.	sterilized—
lysin synthesis in, (40) 72. physiology of, (32) 173; (36) 573; (39) 678, 679.	analyses, (26) 776; (30) 669. food value, (32) 662.
preparation for increasing, (26) 574.	from tuberculous cows, (26) 477.
relation to antituberculosis immunity, (26) 379.	relation to rachitis and scurvy in infants, (34) 776.
ravian of investigations (26) 274	utensils for, (39) 179.
studies, (28) 79; (27) 375; (28) 175; (30) 178; (33) 203; (37) 272; (38) 779. sediment, examination, (31) 209.	storage, (32) 356.
sediment, examination, (31) 209.	stores, score card for, (29) 776. storing and shipping, (40) 475.
sequiment test, (28) 277; (35) 577.	straining, (40) 475.
sediment tester, holder for, (31) 875. separation as affected by agitation, (27) 574.	strawberry-like odor in, (28) 371. streptococci—
separation at different periods of lactation, (31)	heat resistance, (39) 84.
375. serological action, (35) 382.	in, (26) 777; (28) 580, 674; (38) 76. origin, (30) 875.
serum	Studies, (26) 576; (27) 376.
composition, (31) 505.	Streptormix III, (40) 164, 165.
preparation, (29) 800, 806; (39) 805; (40) 11.	studies, (28) 579. substitutes for calves, (33) 669; (34) 667, 774; (36)
extraction of lactose from, (26) 276. preparation, (29) 800, 806; (39) 805; (40) 11. preparation and use, (28) 207. refraction of, (29) 612; (33) 715.	565, 567, 571.
specific gravity and refraction, (27) 677.	substitutes, notes, (29) 174, 668.
specific weight of, (33) 613.	determination, (33) 203.
sheep's— analyses (30) 575	European methods of making, (28) 777.
analyses, (30) 575. composition, (32) 472. factors affecting composition, (36) 273.	examination, (26) 313; (27) 114. importance in judging milk, (33) 577.
factors affecting composition, (36) 273.	manufacture and use, (27) 114.
studies, (36) 569. show in Philadelphia, (26) 371.	manufacture from whey, (26) 779. manufacture in northern Europe, (30) 177.
sickness—	rôle in judging milk. (34) 113.
notes, (37) 195, 690. relation to white snakeroot, (40) 681.	test for, (33) 177. toxicity toward dogs, (28) 462.
	=

```
sulphur in, (31) 817.

supply—
and public health, (40) 179.
bacteriological control, (32) 871.
city, improvement and regulation, (27) 281.
control, (20) 711; (28) 373; (20) 776; (36) 375.
control, enzym method, (29) 477.
improvement, (28) 275, 577; (27) 74, 376; (30)
473; (31) 275; (34) 575, 874; (36) 474; (37) 777;
(38) 479.
in United States, (34) 874.
of Australia, (32) 399.
Baltimore, (28) 674.
Bangalore, (37) 175.
Bombay, (31) 475; (36) 573.
Boston, (30) 678.
Burlington, Vermont, (38) 478.
Chicago and Washington, (26) 81.
cities, (26) 574; (32) 76.
cities in Canada, (40) 879.
cities, inspection, (26) 575; (34) 184.
cities, regulation, (30) 678.
cities, regulation, (30) 678.
cities, treatise, (37) 174, 874.
Copenhagen and Stockholm, (30) 177.
District of Columbia, (26) 577; (27) 281
Dublin, (40) 283.
Genoa, (27) 677.
India, (32) 78.
Ireland, (30) 679.
Kansas, (33) 577.
Karlsruhe, (30) 377.
large cities, sanitary, (39) 784.
London, (38) 280.
Madras, (39) 282.
Massachusetts, (30) 776; (37) 372.
Milwankee, (29) 280.
Moscow, (30) 274.
New York City, (27) 879; (29) 473; (36)
474, 572; (37) 175; (38) 780.
New York Stata, (36) 572.
Paris, (36) 273, 572.
Paris, (36) 274.
Philadelphia, (38) 378.
Pittsburgh district, (38) 279.
Portland, Oregon, (40) 575.
Rochester, New York, (28) 675.
San Francisco, (28) 478.
small cities, improvement, (29) 473.
small cities, improvement, (29) 473.
small cities, improvement, (29) 473.
small cities, improvement, (29) 575.
tuberculosis, (28) 276; (30) 574.
typhoid ever, (29) 478; (27) 376; (33) 377.
supply—
review of literature, (28) 473.
sanitary control, (36) 774.
treatise, 
                                                                                                                                                                                                                                                                                                                                                                                                               Milk—Continued. |
tubercle bacilli in, (26) 281; (27) 878; (36) 278.
tuberculous, danger from, (27) 474.
udder bacteria in, (39) 383, 384.
ultrafiltration, (37) 207.
undescribed_pathogenic bacterium in, (26) 87
Milk-Continued.
                          sulphur in, (31) 817.
                                                                                                                                                                                                                                                                                                                                                                                                                                               (27) 576. use by families having little children, (40) 863. use of preservatives in, (27) 282. utensils, (40) 674. valuation, (30) 377, 574; (34) 671. value in the diet, (29) 862; (36) 763; (39) 471; (40) 179, 280, 359. variation in, (31) 373; (32) 75, 270, 674, 871; (34) 370
                                                                                                                                                                                                                                                                                                                                                                                                                                               variations in fat and solids-not-fat, (39) 483. variations in fat and solids-not-fat, (39) 483. vegetable, digestibility and food value, (33) 163. vegetable, production, (26) 613. veins, relation to production in dairy animals, (38) 476. veins, significance of, (36) 673. veins, significance of, (36) 673. vetch, toxicity, (37) 780. viability of Bacillus typhosus in, (26) 776. viability of determination, (33) 504. vitamin fraction of, (30) 508. volatile fatty acids in, (27) 113. warm, danger for infants, (28) 259. Washington market, spore-bearing bacteria in, (32) 269.
                                                                                                                                                                                                                                                                                                                                                                                                                                             (32) 259. matates, spotsteating bacteria in, (33) 259. water-decomposing agent in, (33) 802. water-d, detection, (26) 210, 211, 314, 410; (27) 111, 506, 809; (28) 112; (29) 806; (30) 113, 414, 508; (31) 209; (32) 299, 370, 413; (33) 208, 504, 613, 715; (36) 571, 807; (37) 13, 804; (38) 11, 415. watered, souring, (35) 614. where, yellow pigment of, (32) 19. white color, (40) 802. yellow affected by—albuminous food, (28) 774. frequency of miking, (32) 267. miking machines, (28) 472; (29) 774. rainfall, (28) 716. work, (30) 475. yield—computing decrease in, (28) 472.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (32) 269.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             computing decrease in, (28) 472. inheritance in cattle, (27) 375. relation to escutcheon, (30) 473. relation to phosphate depletion of soil, (38)
                                                                                                                                                                                                                                                                                                                                                                                                                 vention to phosphate depl
118.
yields. determination, (36) 673.
zymoscopic testing, (33) 175.
Milking—
                                                                                                                                                                                                                                                                                                                                                                                                                                                   at unequal periods, (34) 379, 670.
Eichloff-Schumann method, (28) 277.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hegelund method, (32) 267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 machine, (40) 674.
machine v. hand, (26) 274.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   machines
                              supply—
review of literature, (28) 473.
sanitary control, (36) 774.
treatise, (26) 478.
surface tension in, (26) 171.
sweet v. sour, for chicks, (33) 273.
tables for blending, (33) 577.
tablet reagents for, (26) 608.
testing, (28) 371, (29) 876, 879; (30) 74, 875; (32)
874; (33) 112; (36) 674; (37) 618, 875; (39) 206.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 as factor in dairy farming, (36) 272. bacterial contamination of milk, by, (36)
                                                                                                                                                                                                                                                                                                                                                                                                                                               177.
descriptions and use, (27) 792.
discussion, (27) 387.
effect on cell content of milk, (31) 372.
effect on yield of milk, (28) 472.
electricity for, (32) 886.
in production of smittary milk, (38) 377.
motor driven, description, (27) 90.
notes, (27) 176; (30) 877; (32) 399.
relation to cattle diseases, (20) 673.
sterllization and efficiency, (29) 578.
tests, (28) 672; (27) 486; (29) 774; (30) 272,
573; (31) 475; (32) 286, 673; (33) 589, 765;
(34) 183, 589; (35) 776; (36) 75, 673, 774;
(37) 75; (38) 679.
use, (27) 473.
methods, (29) 373; (32) 75, 267; (34) 299; (36)
376.
                          874; (33) 112; (36) 674; (37) 618, 875; (39) testing—
and grading, treatise, (26) 578.
and handling, (32) 774.
apparatus, notes, (27) 792.
apparatus, tests, (27) 113.
Babcock, see Babcock test.
errors in, (26) 674.
for cheese making, (27) 779.
handbook, (29) 206.
law, (28) 473.
methods, newer, utility, (26) 25.
systems in various countries, (29) 673.
treatise, (33) 298.
utensils, inspection, (30) 178.
                                                                                                                                                                                                                                                                                                                                                                                                                     375.
tests, error in, (32) 75.
Milkweed—
                                                                                                                                                                                                                                                                                                                                                                                                                                                 anthraonose, notes, (33) 350.
Seographical distribution, (26) 335.
Seren, leaf variation in, (27) 741.
notes, (32) 778.
Whorled, toxicity, (39) 787.
                              comparison, (29) 611, 717; (31) 674.
errors in, (31) 873.
pipette for, (36) 805.
textbook, (31) 468.
transmission of tuberculosis by, (30) 882; (37) 80.
treatise, (26) 171; (28) 276, 378, 473, 674.
trials in Great Britain, (27) 676.
                                                                                                                                                                                                                                                                                                                                                                                                                     MIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                   feed, analyses, (34) 668.
feed grinding and sifting, tests, (30) 292
feed, mixed, analyses, (27) 170.
```

Mill-Continued.	Millet—Continued.
fumigants, effect on baking quality of flour, (26) 357.	seed protein, nutritive value, (39) 666. seed treatment, (39) 238, 353.
insects, destruction by heat, (29) 253. insects, life history and remedies, (30) 155.	seeding experiments, (27) 639; (32) 528; (40) 331. selection experiments, (37) 32.
products, shipments and prices in Minneapolis, (32) 894.	smut— cause and treatment, (30) 47.
Millers, manual and record book for, (40) 863. Millet—	description and treatment, (39) 248.
absorption of organic nitrogen by, (29) 628.	notes, (31) 841; (32) 544; (35) 348. studies, (39) 353.
amylase, studies, (31) 609. and Sudan grass, comparative yields, (40) 328.	treatment, (34) 50; (40) 48. starch, notes, (28) 408.
as cover crop for orchards, (33) 240. forage crop, (31) 829.	Striga lutea on, (40) 48. transpiration in, (36) 226.
green manure, (28) 339. midsummer forage crop, (39) 532.	transpiration in, (36) 226. varieties, (26) 233, 830; (27) 32, 334, 530, 532, 736; (28) 736; (30) 525, 731; (31) 36, 732, 733, 829; (32) 226, 528, 529; (33) 33, 527; (35) 229; (36) 36, 133, 529; (37) 32, 233, 329, 331, 436, 825; (38) 433, 630, 830
silage crop, (39) 133.	(32) 226, 528, 529; (33) 33, 527; (35) 229; (36) 36, 133, 529; (37) 32, 233, 329, 331, 436, 825; (38)
source of sugar, (32) 117. bran, analyses, (33) 170. bread, digestibility, (37) 364.	
breeding for drought resistance. (34) 528.	variety tests, (39) 128, 336, 434, 436; (40) 332, 5224 water requirements, (29) 826; (32) 127; (34) 720; (38) 227.
broom, classification, (33) 834. broom corn, culture in Texas Panhandle, (29)	wild, as duck food, (30) 545.
429. bulrush, culture experiments, (32) 227.	yields, (28) 533; (31) 226; (40) 733, 735. Millinery teaching in high schools, (36) 595.
bulrush, varieties, (30) 731. caterpillar, notes, (33) 654.	Milling— and baking, handbook, (35) 859.
chloroform extract of, (31) 71. composition, (27) 668.	by-products, effect on baking quality of flour, (26) 356; (30) 555.
cost of production, (35) 691. culture, (29) 426; (31) 35, 265; (34) 630.	invisible loss in, (29) 661. offals, digestion coefficients, (28) 170.
-culture	offals of wheat, composition, (33) 564.
and utilization, (37) 37. experiments, (26) 422, 632, 737; (27) 532, 735;	products, composition, (26) 358. Millipedes— OS A55
experiments, (26) 422, 632, 737; (27) 532, 735; (28) 735; (29) 137; (30) 133, 136; (31) 733; (32) 227, 526, 529, 530; (33) 31, 633; (35) 529; (36) 32, 133, 829; (37) 227, 436, 730, 734, 824; (38) 334, 336, 433, 830, 831; (39) 227, 435.	destructive to vegetables, (26) 458, hothouse, new genus, (26) 353.
(36) 32, 133, 829; (37) 227, 436, 730, 734, 824; (38) 334, 336, 433, 830, 831; (39) 227, 435.	remedies, (32) 246. Mills, fumigation, (29) 640.
for chicken feed. (38) 827.	Milo— and corn, transpiration, (39) 440.
for hay, (37) 436. in Dutch East Indies, (30) 697.	as dry farm crop, (29) 736; (37) 329, 637; (39) 736. as pasture crop for pigs, (38) 470.
in eastern Oregon, (38) 432. in Rhodesia, (27) 32, 637.	as silage crops, (38) 174. breeding experiments, (39) 736.
under dry farming, (30) 435; (36) 529; (37)	chemistry of, (40) 608.
329depth of sowing tests, (27) 835digestibility, (27) 669; (37) 168.	chop, analyses, (26) 467; (28) 464; (34) 169, 467; (36) 765; (38) 369; (40) 571.
ditch, analyses, (30) 565.	culture, (32) 228. culture—
downy mildew, studies, (31) 51. effect on following crop, (40) 623, 734. effect on nitrate content of soils, (29) 818.	experiments, (27) 529; (28) 532; (29) 225; (32) 227, 526; (33) 32, 332, 830; (37) 132, 331, 730; (38) 631, 829, 831; (39) 129, 835; (40) 433. in Arizona, (32) 226. Kansas, (39) 33; (40) 331. sand hills of Nebraska, (35) 827.
.pyhihite of (21) 405	(38) 631, 829, 831; (39) 129, 835; (40) 433. in Arizona, (32) 226.
fertilizer experiments, (26) 422, 523, 830; (28) 338, 816; (29) 025; (30) 820; (31) 733; (34) 330, 421; (35) 220, 426; (36) 427, 626; (37) 436; (38) 232, 433, 829; (39) 817; (40) 332, (40) 132; (4	Kansas, (39) 33; (40) 331. sand hills of Nebraska, (35) 827.
(35) 220, 426; (36) 427, 626; (37) 436; (38) 230, 433, 829; (39) 817; (40) 332.	Sand tills of Nebraska, (30) 527. Texas, (29) 429; (32) 332; (35) 440; (39) 538, 835. disastibility and production value (27) 865
fertilizer experiments with bat guanos, (39) 426. flour, analyses, (39) 870.	digestibility and productive value, (31) 600.
for late planting, (37) 436. giant, analyses, (20) 362.	drought resistance of, (28) 633. dwarf, digestibility, (36) 661. fats and fatty acids of, (38) 410.
grain, as a iceding stuff, (34) 565.	feeding value, (39) 71. fertilizer experiments, (29) 32; (33) 830.
grass, analyses, (28) 463. green manuring experiments, (37) 734.	for pigs, (29) 468; (39) 174. grades, (32) 138.
green manuring experiments, (37) 734. growing with corn, (40) 822. growth as affected by meteorology, (29) 510. growth on partially sterilized soils, (35) 515. growth studies, methods, (38) 526. hay, ash analyses, (29) 861. Hungarian, liming experiments, (39) 221.	nogging-oir, (40) 472.
growth on partially sterlized soils, (35) 515. growth studies, methods, (38) 526.	improvement, (40) 737. irrigation experiments, (27) 520; (40) 330.
hay, ash analyses, (29) 861. Hungarian, liming experiments, (39) 221.	leaves, variation of water and dry matter in, (37) 637.
Hungarian, liming experiments, (39) 221. hydrocyanic acid in, (33) 506. improvement, (28) 738. influence of meteorological factors on, (38) 15.	malze, see Milo. meal, analyses, (36) 765.
influence of meteorological factors on, (38) 15. irrigation experiments, (33) 884; (40) 331.	meal, digestibility, (36) 470. notes, (26) 362; (31) 333. recurving, (37) 642.
Italian, notes, (30) 238. Japanese—	recurving, (37) 642. relation to polyneuritis, (39) 369.
analyses, (27) 68.	seeding experiments, (33) 38. spacing experiments, (32) 332; (34) 229.
culture experiments, (35) 528. fertilizer experiments, (26) 725.	starch content, (35) 108.
maltase content, (31) 204. milling experiments, (40) 556.	stover yields, (40) 330. thinning experiments, (33) 38. use in bread making, (34) 67.
mineral constituents, digestibility, (40) 769. notes, (26) 362.	variaties. (37) 338.
pearl, culture in Porto Rico, (29) 631. pearl, root parasites of, (31) 842.	varieties for central and southern Great Plains, (35) 832.
polish meal, methods of analysis, (29) 311. production in Spain. (28) 736.	varieties for Texas, (39) 835, 838. water requirement, (32) 335; (35) 825; (38) 229.
right- and left-handedness in. (27) 236.	weight ratios, (36) 131. wilting coefficient, (32) 835.
rock phosphate for, (29) 418. seed, inspection in Maryland, (36) 442.	yields, (29) 32, 426.

```
nnesota—
Crookston substation, report, (37) 297.
Crop Improvement Association, (32) 592
Duluth substation, report, (37) 298; (39) 199
Field Crop Breeders' Association, (29) 830
Grand Rapids substation, report, (38) 197
Morris substation, report, (37) 298; (39) 499
State Agriculturul Society, bitsory, (27) 490.
Station, financial statement, (26) 599; (27) 492.
Station, notes, (26) 96, 396; (27) 198, 698, 900; (28) 495, 797; (29) 794; (30) 396; (31) 398, 900; (32) 599, 694, 899; (33) 197, 797; (31) 798; (35) 300, 398, 697, 900; (36) 696; (37) 197, 398, 407, 600, 896; (38) 399, 498, 600, 900; (31) 996, 197, 399, 500, 696; (40) 297, 497, 696.
Station, report, (31) 195; (35) 396; (37) 297; (39) 397; (40) 797.
Station, report of director, (26) 599; (27) 492.
Milowia nivea, notes, (26) 551.
Milwaukee County School of Agriculture and Do-
                                                                                                                                                                                                                                                                         Minnesota-
mestic Economy, survey, (36) 792.
Mimetes setulosus, notes, (36) 364.
Mimetic crystals, classification, (40) 609.
Mimetic, artificial, preparation, (36) 412.
  Mimicry
 in butterflies, treatise, (37) 55.
paper on, (32) 399.
treatise, (31) 67.
Airmorista flavidissimalis, notes, (28) 451.
  Mimosa-
                   pudica—
fertilizing value, (34) 34.
notes, (26) 362.
permeability of pulvinus, (39) 730.
wound stimulus in, (33) 724.
thorn caterpillar, notes, (26) 348.
velocity of transmission of excitation in, (34) 29.
                                                                                                                                                                                                                                                                                             397; (40) 797.
Station, report of director, (26) 599; (27) 492.
University, notes, (26) 96, 306; (27) 198, 397, 698, 900; (28) 397, 495, 697, 797; (29) 196, 794; (30) 396, 797; (31) 398; (32) 396, 599, 691, 797; (33) 197, 797; (34) 496, 798; (35) 300, 398; (36) 98, 196, 500, 695, 797; (37) 197, 299, 398, 407, 896; (38) 399, 498, 600, 699, 900; (39) 96, 197, 399, 500, 696; (40) 297, 497, 600, 696.
   Mincemeat
  examination, (27) 463, 763.
nitrogen content, (30) 861.
studies, (30) 665.
Mindarus abietinus, notes, (33) 253.
   Mine timbers
   insects affecting, (27) 554.
preservation, (27) 443; (33) 544.
Rocky Mountain, tests, (31) 144.
supply of England and Wales, (32) 542.
Mineola—
                                                                                                                                                                                                                                                                             Mint-
                                                                                                                                                                                                                                                                           Mint—
cultivated, degeneration, (34) 44.
culture, (31) 151.
culture in Indiana, (38) 216.
fungus disease affecting, (28) 154.
rust, notes, (37) 457.
Mirabilis jalapa—
absolutes in (26) 225
                      indiginella, see Leaf crumpler.
juglandis, see Walnut case-bearer.
vaccinii, see Cranberry fruit worm.
                                                                                                                                                                                                                                                                             Mirabilis Jalapa—
abscission in, (36) 225.
betains in, (27) 204.
diseases, Inheritance in, (35) 459.
Mirage of St. Lawrence River, (28) 716.
Mireken nuts, analyses, (31) 631.
    Mineral-
                      aggregates, specific gravity, (36) 683.
constituents of soils, (28) 215.
constituents of soils, composition, (33) 720.
constituents, soluble, determination in soils,
                                                                                                                                                                                                                                                                              Miridae
                                                                                                                                                                                                                                                                             key to subfamilies, (39) 763.
North American, synoptical keys, (35) 25.5
Miris dolabratus, studies, (40) 260.
Mirolynx, new genus, (30) 468.
Miromphalomya perllampoides n.g and n.sp., description, (37) 162.
Miscogasteridae of Australia, (39) 154.
                                 (27) 515.
                       (27) 515.
content of rations, effect on growth and reproduction, (33) 666.
deposits, treatise, (30) 719.
elements in animal nutrition, (35) 867.
elements in poultry feeding, (33) 572.
                      matter—
assimilation by plants, (28) 521.
detection in wheat flour, (28) 411.
effect on development of plantlets, (38) 329.
effect on germination of plants, (39) 526.
importance in food, (29) 366.
metabolism of, (30) 562.
removal from soil by plants, (30) 334.
metabolism, see Metabolism.
nutrients in human dictotics, (35) 269.
nutrition of plants, (28) 124, 127, 224.
oil, detection in other oils, (26) 611.
oils—
                        matter-
                                                                                                                                                                                                                                                                             brewing, (30) 828.
deavage products of, (29) 565.
preparation, (32) 560.

Mississippi—
College, notes, (28) 494; (27) 198; (29) 300, 397;
(32) 396; (35) 196, 398; (37) 497; (39) 900.
Delta Branch Station, report, (27) 494.
McNeill Branch Station, report, (28) 299.
River levees, effect on floods, (26) 417.
Station, financial statement, (27) 899.
Station, notes, (26) 96, 396, 494, 707; (27) 98, 198,
600; (29) 300; (31) 197, 496; (32) 396; (33) 900;
(34) 495; (35) 398; (37) 600; (39) 900; (40) 98,
690.
                                                                                                                                                                                                                                                                                                brewing, (30) 828.
                        as affected by added oils, (29) 488.
detection, (28) 412.
detection in vegetable oils, (26) 114.
fluorescent test for, (26) 114.
nethods of analysis, (27) 205.
poisons, detection in organic matter, (26) 206.
poisons, effect on growth of wheat seedlings, (38)
                                                                                                                                                                                                                                                                                                          696.
                                                                                                                                                                                                                                                                                                  Station, report of director, (27) 899.
                                                                                                                                                                                                                                                                               Missouri
                                                                                                                                                                                                                                                                                                   Country Life Conference, report, (31) 895; (32)
                                                                                                                                                                                                                                                                                                  793.
Fruit Station --
                        628.
requirements of cattle, (33) 870.
requirements of farm animals, (31) 864.
resources of Texas, conservation, (34) 489.
resources of United States, (36) 121.
salts. see Salts.
springs of Alaska, (38) 690.
substances, determination in water, (27) 111.
substances, soil, changes in, (31) 818.
water, see Water.
                                                                                                                                                                                                                                                                                                  Fruit Station — financial statement, (28) 692; (29) 599. notes, (29) 699; (39) 90. report, (32) 796. report of director, (26) 692; (29) 599. Home Makers' Conference Association, (30) 462. Poultry Experiment Station, notes, (34) 869. River basin, hydrography, (32) 588.
                                                                                                                                                                                                                                                                                                                   Lilon—
financial statement, (27) 299; (29) 696.
notes, (26) 695; (27) 98, 698; (28) 600; (29) 699;
(30) 300, 604; (31) 798, 600; (32) 497, 695,
797; (33) 197, 399; (34) 96, 198, 695; (35) 96,
300, 398, 597, 697, 900; (36) 98, 599; (37) 398,
807; (38) 498, 798; (39) 197, 696; (40) 297,
497, 696.
unblications, (27) 299, 889.
        Minerals-
       Minerals—
composition terminology, new, (28) 318.
ground, fertilizing value, (27) 500; (28) 33.
movement in leaves, (27) 229.
of United States, analyses (34) 222.
radioactive, effect on wheat, (27) 826.
sand dune, weathering, (28) 220.
soil-forming, microscopic determination, (28) 812.
useful, in United States, (31) 322.
Mines, humidity of air in (29) 121.
Minidoka bird reservation, (37) 355.
Minks-
                                                                                                                                                                                                                                                                                                  497, 696.

publications, (27) 299, 899.
report, (31) 396; (33) 299; (35) 899; (37) 796; (38) 697.
report of director, (27) 299; (29) 696.
University, notes, (20) 494, 695, 900; (27) 98, 698; (28) 600, 697; (29) 97, 699; (30) 300; (31) 197, 796, 900; (32) 94, 397, 497, 695, 797; (33) 197, 399; (34) 90, 198, 396, 696; (35) 96, 398, 697; (36) 98, 599, 695; (37) 97, 398, 897; (38) 488, 699, 798; (39) 197, 696; (40) 297, 497, 696.
                            breeding for fur, (29) 673.
       feeding and management, (29) 70. reasing, (35) 378; (40) 373. Minneapolis, Minn., as an agricultural and financial center, (36) 494.
```

Mist ponds, accumulation of water in, (30) 118.	Moisture—Continued.
Mistletoe-	effect on—
arsenic content, (27) 830; (28) 526. composition, (34) 262.	concrete, (27) 891.
control in National Forests, (37) 458.	fumigation, (29) 762. insects, (30) 545.
effect on junipers, (31) 540. growth on monocotyledons and succulent con-	keeping quality of corn meal, (33) 259. equivalent determinations, notes, (28) 537.
servatory plants, (29) 352; (30) 521.	hygroscopic, determination in soils, (34) 712.
in Great Britain and Ireland, (31) 731. In West Indies, (40) 155.	Molasses— added, detection in sugar-beet chips, (31) 315.
infection experiments, (30) 484. injurious to larch, (34) 547.	analyses, (26) 266, 873; (29) 570; (31) 556; (33)
injurious to larch, (34) 547.	analyses, (26) 266, 873; (29) 570; (31) 556; (33) 360, 565, 568, 769; (34) 660; (36) 65.
injury caused by, (30) 849. injury to conifers, (35) 459; (39) 57.	and cane-top silage for cattle, (32) 668. and molasses meal for cows, (33) 765.
on citrus trees, (39) 56.	as feeding stuff, (32) 666; (34) 565, 566.
parasitic on mistletoe, (40) 226. parasitism, (31) 56.	fertilizer for sugar cane, (30) 140. source of alcohol, (36) 508; (38) 508.
propagation, (30) 849.	source of potash, (38) 124.
red fruited, infection experiments, (29) 243. seeds, germination studies, (30) 521.	beet, composition and use, (37) 416. beet, inversion of, (34) 13.
species, hosts, (39) 554.	beet, pentose content, (38) 113.
Mistletoes—	beet, polarization as affected by raffinose, (38)
false, studies, (40) 253. South African, and their hosts, (36) 548.	black-strap, for dairy cattle, (32) 470.
Mitchell grass, culture experiments, (30) 632.	black-strap, for dairy cattle, (32) 470. black-strap for pigs, (36) 472. cake, analyses, (30) 467.
Mite galls, descriptions, (39) 868. Mite, purple, notes, (34) 60.	cane, methods of analysis, (28) 713.
Mites—	COIDDOSILIOD AND TEEDING VAINE. (X2) 567
attacking cheese, (39) 664.	crude, analyses, (31) 864. determination of solids in, (27) 497. determination of sucrose in, (40) 206.
brown, notes, (35) 253. classification and habits, (32) 351.	determination of sucrose in, (40) 206.
control in greenhouses, (38) 762.	effect on adhesiveness of lead arsenate, (38) 858. effect on nitrification in soils, (27) 419.
destruction, (35) 94. endoparasitic, in lung of monkeys, (31) 356.	examination, (30) 113.
harvest, remedies, (33) 258.	feed— acidity, (35) 770.
injurious to—	analyses, (26) 72, 164, 105, 266, 267, 362, 363, 568, 873; (27) 371, 469, 570, 670, 774; (28) 265, 369, 465; (29) 467, 666, 766; (30) 67, 68, 169, 371, 467, 565, 671, 868; (31) 73, 168, 366, 467, 8664; (32) 169, 259, 568, 667, 862; (33) 71, 371, 568, 789, 870; (34) 263, 467, 566, 767; (28) 872, 460, 871
citrus fruits, (28) 457. citrus fruits, remedies, (31) 549.	568, 873; (27) 871, 469, 570, 670, 774; (28) 265, 369, 465; (29) 467, 666, 769; (20) 67, 68.
Gramineae, (32) 853. orchard and field crops in Utah, (38) 365.	169, 371, 467, 565, 671, 868; (31) 73, 168, 366,
plants in Sweden. (37) 163.	467, 864; (32) 169, 259, 568, 667, 862; (33)
plants in Sweden, (37) 163. tea and citrus, (32) 557.	(38) 572; (40) 571.
Mexican myrmecophilous, (35) 264. migration, (30) 657.	composition and feeding value, (32) 567.
monograph, (34) 458. natural enemies of, (29) 262.	feeding value, (26) 164, 468, 873; (27) 469; (28) 265; (39) 778; (40) 672.
natural enemies of, (29) 262. new, (37) 860.	for dairy cattle, (34) 671.
new American species, (28) 357.	for ruminants, (32) 768. methods of analysis, (29) 311.
notes, (28) 554.	nutritive value, (29) 65.
of Lesser Antilles, (27) 552.	preparation, (26) 164. use of dried yeast in, (26) 567.
of Barbados, (40) 56. of Lesser Antilles, (27) 552. on horn files, (26) 252. oyster-shell scale, (27) 861. poultry, (32) 481; (35) 183; (37) 357. scale insects, (28) 553.	fermentation, (35) 718.
poultry, (32) 481; (35) 183; (37) 357.	fertilizing value, (30) 822; (32) 336; (35) 817; (38) 438, 515; (39) 537.
scale insects, (26) 553.	for beef cattle, (33) 759; (38) 667. for livestock, (29) 570; (30) 176.
	for fivestock, (29) 570; (30) 176. formation, (35) 14.
relation to peach stop-back, (28) 159. remedies, (27) 357, (33) 98; (39) 364. summary of information, (39) 768. transmission of spirochetes by, (32) 279.	formation, relation to raffinose, (26) 116.
transmission of spirochetes by. (32) 279.	glutose in, (39) 206.
Mitochondria-	grass, culture in Philippines, (26) 361, 362. grass, culture in Porto Rico, (29) 631. manufacture from milk, (30) 378. meal, analyses, (32) 465, (34) 169.
and the vacuolar system, (39) 730.	manufacture from milk, (30) 378.
appearance and activities, (38) 328. evolution and physiological rôle, (32) 524.	mercure acetate precipitate from, (20) 014.
in myxomycetes, (40) 726.	methods of analysis, (26) 814; (31) 806; (38) 804;
plant and animal cells, (38) 524. plant cells, (40) 323, 425, 818.	(40) 412. mixture, analyses, (27) 371.
vegetable cells, review of investigations, (33)	nature and standards, (31) 556. nitrogen content, (30) 209, 529. nutritive value, (29) 65, 460. refuse, betain from, (28) 413.
725. material for study, (39) 153.	nutritive value, (29) 65, 460.
origin, (35) 635.	refuse, betain from, (28) 413.
relation to anthocyanin formation, (29) 827; (37) 25.	residue, guanin pentosid from, (26) 116. sludge, composition and fertilizing value, (38)
rôle in heredity, (29) 67; (34) 629.	818.
Mitokinetism, notes, (26) 163. Mnemonica aurioyanea, studies, (33) 655.	statistics in United States, (33) 894. studies, (27) 766; (40) 313.
Mock suns (29) 812.	turf, analyses, (33) 870.
Möckern Experiment Station, notes, (30) 599. Mockernut, density and porosity, (32) 47.	unfermentable sugar of, (39) 207. water content, (39) 415.
Moellons, methods of analysis, (35) 316.	Molassine meal—
Moerophora neoclyti n.sp., description, (34) 456.	analyses, (33) 759. composition and digestibility, (32) 666.
Mohair— industry in Northwest, (27) 278.	Mold—
production in United States, (30) 871; (31) 168,	formation as affected by fluorin, (32) 308.
statistics in United States, (28) 390. Moisture—	assimilation of elementary nitrogen by, (32)
atmospheric, effect on insects, (33) 252.	728. assimilation of nitrates by, (31) 223.
determinations in entomology, (37) 355. distribution in the atmosphere, (34) 117.	assimilation of salts by, (29) 28, 29, 30.

Mald Continued	Monarthrum-
Mold—Continued fungi—continued.	mali, notes, (36) 258.
autolysis. (28) 803.	spp., studies, (31) 852.
carbon and nitrogen assimilationaby, (33)	Monas mülleri, studies, (30) 133.
formation and regulation of enzyms by, (31)	Monascus— heterosporus—
730.	notes, (28) 241.
nitrogen nutrition, (32) 327; (36) 527.	relation to rubber spotting, (29) 451.
protein metabolism of, (33) 202. relation to cane sugar, (28) 420.	purpureus—
relation to iodin compounds, (29) 133.	effect on corn meal, (28) 663. relation to forage poisoning, (35) 76.
selective power of, (33) 824.	storage of oxygen by, (28) 329.
mycelia, organic constituents of, (30) 226.	storage of oxygen by, (28) 329. studies, (33) 221.
spores as affected by pasteurization, (35) 276.	Monecphora bicineta, notes, (38) 557; (40) 453, 856. Monellema crassum, notes, (28) 451
Molds— activity in soil, (40) 122, 318, 721.	Monellia—
as affected by iron, (27) 228.	carvella on pecan. (38) 157.
as affected by spices, (35) 557; (38) 469. bacteria, and yeasts, treatise, (27) 727.	costalis, notes, (38) 762.
destruction of paraffin by, (32) 523.	spp., notes, (38) 256. spp., studies, (31) 753.
effect on corn meal, (28) 663.	Moneys, conversion into metric system, (30) 697.
effect on soils, (31) 818; (38) 118.	Mongoose—
in alimentary canal of man and animals, (35)	as pest in Trinidad, (31) 547. relation to crop damage in Barbados, (38) 154.
559. butter, (32) 675.	Mongos, liming experiments, (36) 229.
butter, prevention, (37) 777	Moniezia—
eggs, studies, (31) 570.	cell division in, (28) 272.
on cigars, (31) 613. penetration of egg shells by, (29) 765.	expansa, infestation of lambs by, (37) 374.
relation to organic soil constituents, (29) 817.	expansa, life cycle, (39) 162. Monieziella bipunctata n.sp., description, (38) 63
resistance to disinfectants, (26) 478.	Monilia-
respiratory pigments of, (26) 326.	candida
source of nitrogen for (27) 226.	assimilation of nitrogen by, (28) 35. experimental propagation, (29) 858; (30) 161.
soil, composition, (31) 12. source of nitrogen for, (27) 226. toxicity to honeybee, (38) 564.	capsulata, relation to lymphangitis, (38) 83.
utilization of polyatomic alcohols by, (30) 226.	cin
Mole cricket—	description, (27) 152.
bird enemies of, (34) 849. destruction by herons, (28) 751.	enzymatic activity, (27) 249. notes, (33) 54; (35) 454; (36) 751; (38) 50; (40) 749, 845.
European, in New Jersey, (34) 653.	(40) 749, 845.
European, in New Jersey, (34) 653. European, notes, (36) 854; (39) 763. injurious to rice, (34) 61. introduction into New Jersey, (37) 660.	Studies, (40) 850.
injurious to rice, (34) 61.	treatment, (28) 244; (31) 843.
notes, (26) 60; (28) 555; (29) 52; (31) 452; (36)	fructigens—see also Cherry, Peach, and Plum brown rot.
355.	(M. laxa), description, (35) 49.
parasites of, (29) 653. remedles, (33) 452, studies, (29) 557.	(M. laxa), description, (35) 49. notes, (27) 850; (35) 248; (36) 649, 750; (37)
remedies, (33) 452,	151, 457. on quince, (33) 54.
West Indian, studies, (38) 762.	relation to temperature. (33) 545.
Mole skins—	sclerotia of, (29) 445. studies, (26) 749; (36) 750; (38) 649; (40) 649.
market for, (35) 696. tanning, (37) 96.	studies, (26) 749; (36) 750; (38) 649; (40) 649. treatment, (32) 148; (39) 752.
tanning, (37) 96.	laxa, notes, (38) 50.
utilization, (38) 53. Molecules of vapors, measurement, (38) 511.	linhartiana, notes, (28) 850; (29) 50.
Mole-draining in England, (31) 685.	outbreak on apricot in Rhone Valley, (35) 249.
Moles-	outbreak on apricot in Rhone Valley, (35) 249. sitophila, ammonia production, (35) 513; (36) 221.
American, monograph, (34) 158.	sitophila, ammonifying power, (32) 29.
common, feeding habits, (31) 846. common, notes, (31) 154.	sp. on fruit trees in Oregon, (34) 351.
effect on calcium carbonate content of soils, (27)	sp., relation to apple rot, (33) 348. spp. in sugar, (38) 806.
619.	spp. in Sweden, (33) 846.
Insectivorous habits, (34) 58. notes, (33) 98; (37) 699.	spp. in Sweden, (33) 846. spp. on apple, (38) 453.
stomach contents, (38) 257.	spp. on fruit trees, (36) 654. spp., studies, (26) 849. vini n.sp., description, (27) 224. vini n.sp., notes, (29) 116. Moniliopsis aderholdii—
studies, (31) 451.	vini n.sp., description, (27) 224.
trapping, (28) 553; (35) 94; (36) 396; (38) 53. Molinia caerulea, ecology of, (33) 527.	vini n.sp., notes, (29) 116.
Molliardia, new genus, notes, (27) 46.	and Rhozictonia solani, identity, (36) 145.
Mollusca, dissemination by bobolinks, (30) 851.	notes, (34) 749.
Mollusk injurious to vegetables, (39) 655.	Monilochaetes infuscans—
Mollusks, refrigeration, (28) 563. Molteno disease in cattle and horses, cause, (26)	notes, (33) 347. studies, (34) 156, 646, 747; (40) 347.
780.	Monkeys—
Molybdenum-	chromatin bodies in erythrocytes of, (29) 478. susceptibility to pneumonic plague, (28) 180.
in plants, (38) 409.	Monte Japanese regeteries diet of (20) 262
in šoils, (31) 720. residues, recovery, (37) 504.	Monks, Japanese, vegetarian diet of, (30) 868. Monoamino acids, detection in presence of poly-
Molybdic-	peptids, (27) 410.
acid, effect on plant growth, (35) 131.	Monobaeus hegeli n.sp., description, (37) 667.
acid, recovery, (34) 204, 608; (36) 805.	Monoblastus caliroae n.sp., description, (29) 563. Monocalcium—
trioxid, determination, (27) 208. Mometa zemiodes n.g. and n.sp., description, (33)	paracaseinate, formation in cheese, (29) 11.
155.	phosphate-
Mominae in British Museum, catalogue, (31) 652.	as affected by certain soil constituents, (30)
Monarthropalpus buxi— notas (30) 154 252 (32) 245 (34) 84 752 (38)	as green forage preservative, (28) 464,
notes, (30) 154, 253; (32) 245; (34) 84, 752; (38) 551; (40) 754.	determination, (32) 409. effect on soils, (26) 216.
remedies, (33) 859; (39) 362.	enect on soms, (26) 216.

```
Monochaetia-
                                                                                                                                                                                               Moor-Continued.
desmazierii, notes, (28) 55.
mail, inoculation experiments, (31) 150.
Monocotyls, reproduction by grafting and cuttings,
                                                                                                                                                                                                             soils-
                                                                                                                                                                                                                                  continued.
                                                                                                                                                                                                                          s-continued.
nitrate content, (30) 325.
nitrate formation in, (40) 811.
of northwest Germany, studies, (29) 514.
of Steinhude Lake region, (33) 324.
phosphatic fertilizers for, (27) 325.
         (30) 532.
Monocrepidius—
exsul, notes, (27) 656.
spp., studies, (30) 546.
vespertinus, studies, (33) 63, 158.
Monoctonus secundus n.sp., description, (34) 363.
Monodonomerus aereus, notes, (26) 753; (27) 455
(29) 252; (37) 459.
Monohammus fistulator, notes, (40) 654.
Monolepis nuttalliana, geographical distribution, (26) 335.
Monolexis laragnei n.sp. 1745 (20) 451
                                                                                                                                                                                                                           sulphur in, (36) 424.
utilization, (33) 325.
                                                                                                                                                                                                Moors
                                                                                                                                                                                                             burning for grouse and sheep, (40) 667.
land-climate and sea-climate, (30) 514.
upland, formation, (29) 124.
                                                                                                                                                                                                 Moose
                                                                                                                                                                                                 Morchella esculenta, prevalence in South Λ(rica,
 Monolexis laragnei n.sp., notes, (30) 856.
Monomethylamin, relation to flavor of coot, (31)
         555.
                                                                                                                                                                                                (29) 461.

Mordellistina unicolor, notes, (35) 55.

Mordwilkoja vagabunda, notes, (31) 351.

Morganella maskelli, notes, (30) 454.

Morleandia atvensis, analyses, (33) 466.
   Monomorium-
               latinode, relation to Asiatic cholera, (31) 752. pharaonis, trail formation and orientation, (29)
 Mononchs, studies, (38) 254.
Monophagism, studies, (40) 869.
Monopotassium phosphate as affected by calcium carbonate, (26) 527.
Monopylidium infundibulum, notes, (26) 561.
                                                                                                                                                                                                Morning-glories—
extermination, (26) 236; (30) 838; (34) 228.
heredity in, (38) 750.
spotting by raindrops, (29) 752.
wild, spraying for, (38) 140.
Morning-glory—
Lapenese crossing experiments (33) 242.
   Monosaccharids-
 absorption in the intestines, (28) 763; (29) 268, determination, Barfoed's test, (34) 411, reducing power, (30) 111.

Monstera deliciosa, parthenocarpy in, (36) 331.
                                                                                                                                                                                                 Japanese, crossing experiments, (33) 242.
Japanese, inheritance in, (40) 541.
seed, impermeable, viability, (35) 740.
Morphin—
detection in water, (34) 410.
determination, (27) 499.
effect on plant growth, (37) 632.
Morphology—
  Montana-
                College, notes, (29) 97, 397, 600; (30) 497, 698; (31) 496; (32) 94, 497, 797; (33) 198; (34) 97; (35) 196, 399, 698; (36) 899; (38) 400; (39) 500, 696; (40) 199.
                                                                                                                                                                                                  Morphology—
as factor in determining relationships, (33) 822.
index catalogue, (32) 166.
Morse, E. W., biographical sketch, (32) 800.
                 Fergus County substation, report, (29) 696.
                             Idon—financial statement, (28) 395; (29) 696.
notes, (26) 396; (27) 98; (28) 797; (29) 97, 397, 600; (30) 698; (31) 496; (32) 94, 407, 797; (36) 198; (34) 97; (35) 98, 196, 399, 698; (36) 99; (37) 299, 498; (38) 400; (39) 500, 696; (40) 199.
report, (31) 694; (33) 599; (36) 294; (38) 398; (40) 494.
                                                                                                                                                                                                   Mortar-
                                                                                                                                                                                                                as affected by-
                                                                                                                                                                                                                             fineness of sand, etc., (33) 781.
hydrated lime, (31) 687.
                                                                                                                                                                                                 hydrated lime, (31) 687.
lime, (36) 286.
tests, (29) 786.
Waterproofing, (35) 493.
Mortus, fungicidal value, (34) 843.
Mosaic disease—see also specific host plants.
carrier, (40) 251.
studies, (31) 52; (38) 48.
Mosoulto—
                               report of director, (28) 395; (29) 696.
   Moon
               effect on weather, (27) 509, 817; (29) 314; (33) 320; (34) 509; (38) 510. internal structure, (34) 614. relation to autumn storms, (32) 316.
                                                                                                                                                                                                 studies, (31) 52; (38) 48.

Mosquito—
bites, palliatives for, (40) 168.
larvae, development in relation to bacteria and yeasts, (37) 763.
larvae, sex of, (28) 560.
larvicide disinfectant, preparation and standard-
    Moonflower, hybridizing experiments, (83) 242.
   Moonlight—
and sunlight, relation, (88) 811.
effect on fish and meat, (31) 759.
Moonrise and noonset, computing time of, (35) 808.
                                                                                                                                                                                                  larvicide disinfectant, preparation and standardization, (27) 265.
larvicides, (40) 458.
sanitation, pioneers in, (34) 453.
trap, description, (27) 61.
Mosquitoes—seculos Anopheles, Culex, and Malaria.
and malaria in eastern North Carolina, (32) 61.
   Moor culture
               or culture—
experiments, (39) 437; (40) 229, 5224
handbook, (27) 638; (31) 620.
in Austria, (31) 118.
instruction in high schools, (33) 791.
profitableness, (32) 390.
review of investigations, (30) 120.
treatise, (32) 38.
                                                                                                                                                                                                             and malaria, notes, (31) 551.

anopheline—

in California, (37) 565.

India, monograph, (28) 349.

the South, (33) 255.

Tonkin, (28) 677.

infectibility, (37) 463.

remedics, (29) 769.

as affected by salinity of sea water, (36) 285.

anthrax carriers, (39) 161.

host of Crithidia fasciculata, (30) 757.

winter carriers of malaria, (34) 856.

bibliography, (33) 560.

biology and control, (39) 867.

breeding, (34) 358.

breeding grounds of, (28) 860.

collecting device for, (38) 255.

control, (27) 286, 559, 655, 759; (30) 159, 361, 656; (31) 58, 351; (33) 58, 486, 656; (36) 853, 855, 855; (37) 255; (38) 562; (39) 659, 761, 766, 866; (40) 552, 648, 685.

control in—

Collowed (28) 560.
                                                                                                                                                                                                                and malaria, notes, (31) 551.
   Moor-
                hay causing excessive licking in cattle, (32) 567. of Steinhude Lake region, (33) 324.
               of Steinhude Lake region, (33) 324.
plantations, machinery for, (20) 488.
soils—see also Peat soils.
analyses, (33) 324.
as affected by lime, (29) 823; (31) 220.
blasting experiments, (32) 589.
bog and moss, fertilizer experiments, (40)
                                      135.
                               bog and moss, water table and root develop-
ment in, (40) 211.
cryptogamic flora of, (28) 727.
cultivation and fertilization, (27) 824
                              cultivation and fertilization, (27) 824 decomposition of cellulose in, (31) 25. disinfection experiments, (35) 724. drainage and cultivation, (31) 732. effect of mixing with lighter soil, (29) 19. fertilizer and field trials with, (26) 423. fertilizers for, (29) 516. horticulture on, (26) 136. improvement, (32) 719, inoculation experiments, (40) 822. lime requirements, (31) 726. liming experiments, (34) 18.
                                                                                                                                                                                                                control in—
Callfornia, (28) 560.
Connecticut, (28) 554; (34) 856; (35) 54; (37)
                                                                                                                                                                                                                             India, (35) 361
```

Mexico, (31) 756.

Mosquitoes—Continued. control in—continued.	Mosses—
New Jersey, (28) 756; (31) 454; (32) 551; (34)	eradication, (29) 741. heat development of, (31) 323.
160; (39) 866. New York, (30) 657; (36) 856	on trees in Denmark, (36) 825.
New York, (30) 657; (36) 856	Moth bean—
Panama, (35) 855. the Tropics, (28) 62. destruction, (37) 86, 464.	culture, (32) 226.
destruction (37) 86, 464	description, (31) 710.
destruction by—	hay, digestibility and productive value, (37)
bats, (31) 62.	meal, analyses, (38) 572.
bats, (31) 62. cyanid gas, (36) 456.	notes, (26) 362.
ducks, (34) 856. Dytiscus, (38) 766.	Moth beans, yields, (39) 434.
fish, (27) 656.	Moth borer— Mexican, notes, (35) 657.
Toxorhynchites immisericors, (26) 349.	new, on pear trees, (37) 847.
detecting flight of, (29) 656.	Moth borers—
development of—	injurious to sugar cane, (38) 465. notes, (38) 459.
Leishmania donovani in, (26) 656.	remedies, (32) 553.
malaria parasite in, (38) 658. disease bearing, descriptions, (31) 254.	Math diamond-hack, notes, (27) 53
dissemination by river vessels, (27) 456.	Mothers, nursing, as factor of safety in nutrition of
disease-bearing, descriptions, (31) 254. dissemination by river vessels, (27) 456. distribution in North America, (27) 655. eradication (27) 550; (29) 293; (34) 358, 553. fish enemies, (37) 260. flight of, (37) 853. growth in catch basins, (39) 157. habits (33) 154.	the young, (40) 661. Mothi marvel grass, analyses, (28) 768.
eradication (27) 560; (29) 293; (34) 358, 553.	Moths—see also Lepidoptera.
flight of (37) 853	collecting and preserving, (35) 594.
growth in catch basins, (39) 157.	pollination of alfalfa by, (26) 633.
Mubilo, (00) 101.	treatise, (37) 358.
handbook, (28) 455.	Motion, effect on chemical equilibrium, (28) 168. Motor—
in San Juan, (28) 254. lake, in Canal Zone, (40) 653.	and plough combination, description and tests,
life history and control, (37) 664.	(28) 486.
malarial—	and wagon hauling, costs, (40) 93.
identification, (39) 867.	cultivators, see Cultivators and Cultivation. plows, see Plows.
losses to rural industries from, (33) 749.	power v. horses, treatise, (29) 388.
of India, (35) 759. treatise, (33) 155.	spirits as substitute for gasoline. (32) 788.
midge parasite of, (26) 559. natural enemy, (39) 660. notes, (27) 53, 862; (28) 158, 355; (36) 552; (37)	truck efficiency, (40) 387. truck loads for highway bridges, (36) 489.
natural enemy, (39) 660.	truck loads for nighway bridges, (36) 489.
notes, (27) 53, 862; (28) 188, 388; (86) 882; (37) 57, 186.	truck route, cooperative, (40) 893. trucks—
of Bahamas, (38) 766.	as factor in marketing, (30) 295. effect on road surfaces, (29) ?
Brisbane, (35) 258.	effect on road surfaces, (29) [
of Bahamas, (38) 766. Brisbane, (35) 258. Colorado, (39) 262.	fuel for, (30) 892. tractive resistance on roads, (36) 490.
Havaha, (38) 380.	use in road maintenance. (27) 88: (35) 888.
Minnesota, (38) 155. Montana, (37) 255.	use in road maintenance, (27) 88; (35) 888. v. horses, comparison, (29) 489; (30) 387, 388. with trailers, efficiency, (28) 892.
mountains of California, (37) 564.	with trailers, efficiency, (28) 892.
New Jersey, (28) 560; (34) 64. New Orleans, (30) 456	vehicle— laws and regulations, (29) 291.
North America and West Indies, treatise,	registration and revenues, (33) 189.
(29) 357; (34) 453; (37) 762.	registrations, licenses, and revenues, (35)
Pacific Northwest, (38) 766.	585.
Peru, (37) 357.	vehicles— new fuel for, (29) 184.
Philiopines, (26) 61. San Diego, California, (36) 552.	relation to rural life, (26) 685.
Switzerland. (35) 361.	wind, description, (28) 187.
Switzerland, (35) 361. Transvaal, (26) 882; (29) 476. United States, (38) 766. petroleum oil larvicides, (39) 466.	Motors—
United States, (38) 766.	agricultural, tests, (27) 588, 689, 690. and dynamos, treatise, (29) 892.
pollination of orchids by, (30) 658.	cost of operation in Montevideo, (28) 385.
relation to—	electric—
poliomyelitis, (38) 262.	connecting for direct drive, (30) 190.
salinity of water, (37) 259.	for farm power, (32) 589. fuel consumption and energy utilization in,
sewage disposal. (32) 554.	(31) 385.
surra, (31) 777. swamp fever in horses, (32) 754; (37) 374.	service tests, (29) 892.
respiration of, (34) 756.	farm, self-steering apparatus for, (32) 86.
rôle of blood in reproduction of, (38) 160.	farm, treatise, (31) 186. for piston pumps amd pump jacks, (39) 87.
salt marsh, control, (29) 559.	gasoline for, (27) 690.
screening against, (31) 292, 756, 787. studies, (29) 252.	internal combustion, notes, (30) 388.
summary of information, (39) 766.	naphthalin, notes, (30) 190.
transmission of—	Mottled leaf, spread by budding, (26) 441. Mottling disease of sugar cane, see Sugar cane.
leprosy by, (26) 759.	Midulon, relation to sneep pox, (28) 183
malaria by, (35) 360, 361. poliomyelitis by, (28) 753.	Mountain-
treatise, (20) 251.	apples, host plant of fruit fly, (26) 758. ash louse on olive, (38) 157.
trematode parasite, (38) 562; (39) 660.	climbing in cold weather, offects, (32) 564.
wind-forced migration, (39) 861.	pine beetle, notes, (26) 561; (32) 552.
yellow fever, early name, (36) 552. yellow fever, notes, (29) 656.	slopes, climatic influence, (29) 414.
Moss—	Mountains—
on hadding for sottle and harres (97) 709	relation to conservation of snow, (28) 411, 514; (31) 510; (36) 17.
ball, anatomy and biological aspects, (26) 729.	value to iruit growers, (26) 214.
cleaning from irrigation canals, (37) 285.	Mouse—see also Mice.
destruction on fruit trees (20) 534.	bite causing sporotrichosis, (40) 180.
reindeer, culture experiments. (36) 369.	typhoid cultures, tests. (27) 888.
as beating for each galar holes, (37) 29. ball, anatomy and biological aspects, (26) 729. cleaning from irrigation canals, (37) 255. destruction in pastures, (26) 534. destruction on fruit trees, (33) 857. reindeer, culture experiments, (36) 369. wood, eradication, (31) 836.	favus, relation to Australian wheat, (40) 583. typhoid cultures, tests, (27) 888. typhoid, immunization, (32) 375.

Mowers-	Mulberry—Continued.
care and repair, (39) 292.	diseases in France, (33) 54, 448; (37) 655. diseases in Italy. (33) 448; (37) 655.
motor-driven, descriptions, (27) 485.	diseases in Italy. (33) 448; (37) 655.
Mowing machine, tests, (27) 892. Mowrah—	diseases, notes, (27) 547; (29) 243.
butter, detection, (29) 613.	diseases, studies, (27) 49; (36) 751; (37) 651. leaves, adenin and asparaginic acid in, (31) 203.
cake, agglutinating properties, (31) 774.	leaves, composition as affected by sunlight, (35)
fat, detection in edible fats, (32) 507.	333.
meal, analyses, (31) 366.	leaves, nitrogen in, (37) 525.
meal, analyses and use, (30) 267. seed, composition and nutritive value, (34) 565.	pests in Formosa, (40) 163.
Mucilage—	Scale—
effect on germination of seeds, (27) 427.	control by parasites, (34) 456. notes, (32) 847. parasites of, (27) 455. remedies, (32) 755. West Indian host plants of, (26) 248 seed oil, chemistry of, (26) 504. white fly, notes, (34) 752. Mulch of coffee estates, fertilizing value, (28) 223. Mulch of horse as twins (38) 574
linseed, studies, (32) 802.	parasites of, (27) 455.
Mucilages, plant, studies, (40) 818, 819.	remedies, (32) 755.
Mucin-	West Indian host plants of, (26) 248
antigenic properties, (33) 773.	seed oil, chemistry of, (26) 504.
formation by tubercle bacıllı, (31) 284. occurrence in plants, (29) 308.	white fly, notes, (34) 752.
substances, chemistry of, (31) 409.	Mule and harm on trying (20) 574
Mucinase in yams, (34) 312.	Mule and horse as twins, (38) 574. Mules—
Muck-	brains of, (31) 168.
agricultural value, (30) 588. analyses, (27) 327; (32) 424, 520; (34) 521; (36) 27. analyses and use, (34) 519.	breeding at Poitou, France, (31) 170.
analyses, (27) 327; (32) 424, 520; (34) 521; (36) 27.	breeding in Sao Paulo, (29) 365.
analyses and use, (34) 519.	care and management. (30) 772
and peat soils, subsidence after drainage, (38)	color inheritance in, (38) 574. cost of keeping, (38) 790. cottonseed meal for, (39) 375.
as source of organic ammoniates, (37) 815.	cost of keeping, (38) 790.
availability of nitrogen in. (38) 423.	destruction by parestes (22) 22
availability of nitrogen in, (38) 423. deposits of Vermont, (28) 422.	destruction by parasites, (28) 82. digestion experiments, (32) 262.
effect on soil granulation, (26) 420.	feeding experiments, (26) 362; (30) 772; (31) 769;
fertilizing value, (36) 516; (40) 134.	(32) 670; (37) 681.
effect on soil granulation, (26) 420. fertilizing value, (36) 516; (40) 134. fertilizing value, judging, (37) 216.	fertility, (36) 372,
SOIIS-	grape marc for, (32) 567.
analyses, (26) 127.	narness wounds, (39) 85.
improvement, (33) 33; (34) 885. management, (36) 191, 236. notes, (27) 617. of Florida, analyses, (32) 811.	immunization against—
notes, (27) 617.	anthrax, (28) 778.
of Florida, analyses, (32) 811.	hemorrhagic septicemia, (28) 881. trypanosomiasis, (28) 784; (32) 181.
or wasnington, potasu requirement, (*0)	in Germany, (33) 296.
422.	in Germany, (33) 296. Kongo, (31) 865.
or humus, for greenhouse crops, (33) 139.	Tunis, description, (21) 511.
utilization, (32) 213.	United States, (31) 73, 167. infection with Trypanosoma hippicum, (26)
Mucor— ammonifying power, (32) 29.	infection with Trypanosoma hippicum, (26)
cvenogenes n sp. description. (38) 824.	884; (27) 82.
cyanogenes n.sp., description, (38) 824. erectus, notes, (28) 562.	inspection and disinfection for interstate ship-
mucedo, in tamari-koji, (29) 161.	ment, (34) 185. maintenance tests with oat hulls, (29) 367.
mucedo, notes, (31) 55.	mucous membrane of. (26) 480.
mucedo, notes, (31) 55. n.sp., studies, (36) 734.	mucous membrane of, (26) 480. production, notes, (39) 74. raising in the South, (32) 570; (36) 70.
piriformis, studies, (26) 749.	raising in the South, (32) 570; (36) 70.
plumbeus, ammonia production by, (35) 513; (36) 221.	short-faced Abyssinian, notes, (32) 300.
prainii, notes, (28) 761.	spermatogenesis in, (27) 371.
racemosus-	sterility in, (34) 568.
and Empusa muscae, relationship, (34) 254.	textbook, (31) 470. Mullein—
isolation from cheese, (26) 479.	notes, (30) 145.
notes, (31) 542; (32) 843.	thrips, sex determination in, (38) 558.
occurrence in sugar, (26) 505. studies, (39) 854; (40) 347.	Mullen, eradication, (26) 839.
studies, (39) 834; (40) 347.	Multiceps—
spp., on citrus, (34) 446. spp., source of nitrogen for, (27) 226.	gaigeri n.sp., description, (36) 354. multiceps in Wales, (39) 283.
stolonifer, notes, (26) 647; (30) 243.	multiceps in water, (38) 263.
stolonifer, relation to apple rot, (33) 348.	multiceps, notes, (27) 182. Mungo beans—
variations in, (30) 729.	as green manure, (39) 437.
Mucorin crystallolds in mitochondria, (35) 635.	as green manure, (39) 437. as poultry pasture, (40) 729. culture experiments, (28) 735; (37) 529. culture in Philippines, (40) 231. description, (30) 828; (31) 740. fertilizer experiments, (31) 421; (37) 336. field tests in Friji, (40) 231. for rice soils, (35) 338. intercomping curn with, (40) 627.
Mucorinese, studies, (27) 134.	culture experiments, (28) 735; (37) 529.
Mucors, identifying sex in, (29) 216. Mucous membrane—	culture in Philippines, (40) 231.
extract, effect on action of trypsin, (26) 159.	description, (30) 828; (31) 740.
of domestic animals, studies, (26) 480.	fertilizer experiments, (31) 421; (31) 330.
Mucuna	for rice soils. (35) 338.
lindro, analyses and digestibility, (28) 464.	intercropping corn with, (40) 627.
sp., fertilizing value, (34) 34.	notes, (26) 362.
utilis, analyses, (31) 863.	raffinase content, (40) 171.
utilis, culture, (30) 335. Mud—	varieties, (37) 336.
analyses. (27) 327.	Mungo meal, analyses, (38) 572.
fertilizing value, (29) 129, 625.	Municipal waste, fertilizers from, (33) 219. Murgantia histrionica, see Harlequin cabbage bug.
fertilizing value, (29) 129, 625. pond, fertilizing value, (27) 825.	Muriate of potash, see Potassium chlorid.
pupples in Pennsylvania, (31) 648.	Muridae—
pupples in Pennsylvania, (31) 648. river and tidal, analyses, (36) 27.	new, of Argentina, Patagonia, and Cape Horn,
transportation by rivers, (21) oil.	(37) 357.
Mulderries—	of Great Britain, (34) 57; (35) 252.
culture experiments, (28) 236. culture in Mexico, (30) 144.	Murring, studies, (27) 782.
red spider affecting, (26) 254.	Murrina, transmission, (27) 82, 480. Mus, see also Mice and Rats.
Mulberry-	rorregions Appri on (32) 353.
blight, American and French, identity, (31) 347.	norvegicus, Acari on, (32) 353. norvegicus, parasites of, (28) 833.
blight in South Africa, (34) 649.	mer Lettern's betremnen det anne

Mus-Continued.	Muscular—
norvegicus, prolificacy of, (26) 346.	and mental work, notes, (28) 765.
rattus, bacteriai disease oi, (29) 58.	bioenergy of living organisms, (28) 168.
rattus, breeding in captivity, (26) 654. spp., notes, (29) 158.	contraction, cause, (27) 768. contraction, determination of efficiency, (29).
sylvaticus, control in France, (29) 651.	568.
Musa textilis— binder twine from, (27) 531.	energy, origin, (29) 466. fatigue, measurement, (28) 570.
fiber, strength of, (29) 313	motion, nature, (37) 266.
Musea—	paralysis following tick bite, (31) 656.
corvina, hibernation, (34) 254. domestica, see House flies.	tissue, function in urea formation, (37) 802. tissue, glycolytic properties, (37) 802.
hematophagous species, (30) 756.	tissue, metabolic changes m, (32) 359.
Indian species, classification, (38) 563.	work and the respiratory quotient, (33) 464. work as affected by protein consumption, (33)
misuse of generic name, (34) 253. oetustissima, notes, (33) 153.	166.
specific differences in, (35) 856.	work, effect on—
Muscardine— fungus, green, in Porto Rico, (39) 868.	blood, (32) 765. body temperature, (26) 466.
fungus in Queensland, (32) 555.	body temperature and pulse rate, (32) 664.
use against sugar cane pests, (29) 846.	carbon dioxid excretion, (29) 569; (31) 561. cholesterol content of blood and suprarenal
Muscardines, notes, (32) 63. Musci, carbohydrates of, (36) 609.	bodies, (31) 465.
Muscidae with bloodsucking larvae, notes, (34) 555.	energy factors of urine, (26) 161.
(Passeromyia) heterochaeta, notes, (36) 359.	gaseous metabolism, (29) 167. gastric secretion, (28) 160.
spp., hibernation, (34) 254.	man, (28) 168.
spp., notes, (30) 457.	metabolism, (32) 67, 765; (36) 763 women, (29) 568.
spp., studies, (37) 764. stabulans—	work—
notes, (26) 147; (28) 255.	heat production in, (30) 766.
relation to leprosy, (31) 851.	importance of training in, (28) 868. metabolic study of, (31) 465.
studies, (37) 665. Muscivora forficata, feeding habits, (28) 56.	physiology of, (30) 263; (31) 166.
Muscles—	static and negative, studies, (26) 871. Museum—
chemistry of, (28) 201; (31) 861.	educational, at Clar. University, (29) 598.
contraction, studies, (27) 666.	pests, remedies, (32) 1150.
chemo-dynamics of, (30) 263; (31) 166. contraction, studies, (27) 666. creatin content, (28) 865; (33) 566.	Mushroom— bacterial disease, studies, (33) 446.
creatin content, effect of autolysis on, (35) 766. creatin content, factors affecting, (30) 65.	extracts, effect on red blood corpuscles, (30) 879.
creatinin content, (32) 764; (33) 566.	Mycogone disease, description, (32) 50. pests and their control, (36) 853.
fibers, occurrence of fat in, (28) 366.	root rot, treatment, (30) 649.
from fasting dogs, composition, (29) 664. heat production in, (32) 257.	spring-tail, remedies, (36) 854.
hydrogen-ion concentration during work, (40) 274.	wild winter, (39) 571. Mushrooms—see also Fungi, edible.
juice, proteins of, (30) 766.	analyses, (34) 761.
living smooth, studies, (27) 169.	and other common fungi, (33) 65. and toadstools, handbook, (31) 628.
methods of analysis, (35) 614. of healthy and diseased animals, bacterial con-	cultivated, nutrition, (20) 440.
tent, (26) 176.	culture, (27) 842; (38) 147. culture and preparation, (27) 329.
potassium, sodium, and chlorin content, (26)	description and preparation, (32) 760.
506. protein, specific heat of, (33) 566.	description and preparation, (32) 760. diseases and deformities of, (31) 842.
purin bases in, (29) 366.	edible and nonedible, of Nancy, France, (31) 759.
respiratory process in, (37) 266. smooth, ash analyses, (27) 273.	edible and poisonous, (33) 338; (37) 263; (39) 445 ediblo, detecting adulterations in, (30) 880. fungus diseases, (40) 157. hydrocyanic acid in, (26) 228. insects affecting, (27) 687. loss in blanching, (24) 378.
striated, interstitial granules, (27) 466.	fungus diseases. (40) 157.
striated, phosphorus in, (32) 561. striated, structure, (27) 768.	hydrocyanic acid in, (26) 228.
Muscoid—	insects affecting, (27) 657. loss in blanching, (34) 256.
Diptera, new, of America, (37) 764.	notes, (28) 861.
flies, new genera, (34) 554, 555, 855. flies, new, of western South America, (30) 56.	of Minnesota, hook, (27) 528.
flies of Peru. (34) 655.	treatise, (34) 532, 761. wild, for food, (38) 768.
files of Peru, (34) 655. files, studies, (26) 860.	zymose formation in, (30) 733.
genera and species, new, (40) 859. genera, new, for old species, (33) 156.	Musk—grasses, culture for wild ducks, (33) 251.
genotypes, notes. (35) 760.	ox, conservation, (37) 757.
species, nonintentional dispersal by man, (35) 259.	ox, variation in, (31) 768. Muskmelon—
synonomy, (40) 758.	anthracnose, (35) 652; (40) 250, diseases, notes, (31) 747.
Muscoidea—	
acalyptrate genus of, (34) 65.	leaf spot in Indiana, (39) 52. new Siberian, (39) 346.
new, from west and southwest, (34) 855 new genera and species of Australia, (35) 660.	rinds, analyses, (38) 626.
new, in Canada and Alaska, (34) 65.	seed, distribution of nitrogen in, (36) 269 wilt, notes, (29) 847.
of Australia, (36) 554. of Brazil, (39) 563.	wilt, notes and treatment, (28) 746.
of New England, (35) 760.	Muskmelons—
synonymical notes, (34) 360, 554.	acidity, (32) 110; (37) 714. calcium content, (39) 747.
Muscovite— as source of potash, (26) 426; (27) 520; (30) 216;	critical period of growing season, (39) 811.
as source of potash, (26) 426; (27) 520; (30) 216; (34) 425; (36) 728; (37) 505.	culture, (33) 238. culture experiments, (29) 743; (35) 341; (37) 742.
fertilizing value, (27) 725; (28) 33; (29) 625; (39) 728.	culture in Indiana, (38) 241. culture in North Carolina, (34) 41.
potash, solubility, (34) 328; (40) 812.	effect on composition of urine, (31) 761.

Muskmelons—Continued	Mustard—Continued
fertilizer experiments, (26) 817; (28) 46; (31) 533;	seeds, phytin of, (32) 16.
(37) 742. Fusarium disease affecting, (26) 54.	tokras disease, notes, (38) 351.
grading, nacking, and shinning, (34) 737	tumbling, eradication, (33) 337. value in the diet, (29) 664.
handling, (39) 240.	varieties, (26) 631; (29) 228; (31) 133.
handling (39) 240. insects affecting, (31) 248. marketing, (34) 340, 737. shipping, (39) 444. spraying, (39) 345. varieties, (37) 143.	white
marketing, (34) 340, 737.	as affected by lithium salts, (28) 526.
snraving, (39) 345.	as cover crop, (32) 332; (37) 883. as green manure, (32) 423; (34) 631; (40) 24.
varieties, (37) 143.	culture for winter forage, (38) 735.
water requirement, (32) 127.	dormancy in seeds, (30) 225.
western, marketing, (36) 138.	effect on milk and butter, (34) 570.
Muskrats— in Bohemia, (34) 58.	fertilizer experiments, (28) 820; (29) 632;
new trematode affecting, (27) 52.	(35) 325.
new trematode affecting, (27) 52. parasites of, (29) 484; (33) 863; (37) 355. possibilities for fur and meat production, (38)	geotropism and phototropism in absence of oxygen, (39) 826. germination tests, (30) 837.
possibilities for fur and meat production, (38)	germination tests, (30) 837.
154.	notes, (30) 145.
Muskus grass, analyses, (32) 166. Mussel-bed mud, analyses, (39) 121.	selection experiments, (35) 334.
Mussels—	wild—
as food, (26) 356; (31) 356; (35) 859; (40) 657.	analyses, (30) 565.
fertilizing value, (33) 820.	detection, (27) 499; (30) 207. dissemination by farm animals, (28) 839. eradication, (27) 536, 724; (30) 236; (31) 44, 133, 524, 633, 739; (34) 228; (36) 236, 535 639; (37) 342; (39) 744.
sewage-polluted, danger from, (27) 866	eradication, (27) 536, 724; (30) 236; (31) 44.
Mussidia nigrivenella, notes, (28) 555. Must—	133, 524, 633, 739; (34) 228; (36) 236, 535
analyses, (29) 119; (36) 801.	639; (37) 342; (39) 744.
effect of X-rays on fermentation, (27) 231.	eradication in potato neitis, (33) 33.
fermentation, (29) 119; (30) 712.	germination in shade, (31) 235. Yield as affected by sulphur, (34) 726.
from American native grapes, composition, (30)	Mutation—
from grapes infected with fungi, (30) 612.	and heredity as cell phenomena, (34) 823.
industry in Uruguay, (32) 744.	and hybridization as independent phenomena
making investigations, (36) 801.	(32) 326.
making investigations, (36) 801. Saccharomycodes in, (30) 712.	in Egyptian cotton, (40) 237, 527. Oenothera, (33) 524; (39) 527, 632, 825.
separated, analyses, (37) 80%.	plants, treatise, (34) 629.
utilization, (27) 441. Mustard—	Sugar cane. (40) 634.
and lupines, continuous culture, (29) 431.	sugar cane, (40) 634. sweet peas, (40) 541. lecture on, (28) 271.
applying fertilizing solutions to aerial portions,	lecture on, (28) 271.
(30) 129.	mass, in Oenothera, (40) 132. mass, in Zea mays, (39) 432.
as affected by cyanamid and dicyanodiamid,	nature of, (33) 630.
(40) 724. as afferted by soil disinfectants, (31) 621.	origin of species by, (30) 224.
as green manure, (35) 426: (40) 24, 229.	origin of species by, (30) 224. production through hybridization, (33) 758.
bacterized peat for. (39) 116.	review of liceratilie, (33) 27.
beetle attacking water cress, (36) 658	theory, notes, (28) 430.
beetle attacking water cress, (36) 658 beetles, notes, (27) 457. black, notes, (30) 145.	theory, treatise (30) 432
DIRCK, HOTES, (30) 140.	theory, notes, (28) 430. theory of De Vries, objections to, (32) 521. theory, treatise, (30) 432. Mutational characters, relation to cell size, (40)
cakes, toxicity, (26) 567.	525.
bran, analyses, (32) 667. cakes, toxicity, (26) 567. culture experiments, (26) 233; (27) 638.	Mutations in living beings, treatise, (26) 472.
destruction, (21) 81.	Mutilla spp., notes, (34) 556.
effect on companion crop of oats, (36) 438.	Mutton—
eradication, (26) 839.	ash analyses, (29) 861. changes in during cold storage, (28) 265, 860
fertilizer experiments, (26) 631; (27) 422; (28) 736, 819; (30) 427; (31) 133; (32) 842; (34) 25, 327, 421, 820; (36) 134; (38) 230; (40) 515.	changes in during cold storage, (28) 365, 860. cold storage, statistics, (28) 869. composition and nutritive value, (34) 256.
820; (36) 134; (38) 230; (40) 515.	composition and nutritive value, (34) 256.
ierunzing vaiue, (27) 831.	consumption in United States, (29) 770.
flour, methods of analysis, (27) 12.	cost of cold storage, (27) 164. cost of production, (29) 572.
gus poisoning, (40) 382.	defrosting, (27) 470.
gas, skin lesions produced by, (39) 585. growing, nitrogen compounds in, (26) 824. growth as affected by light, (28) 227. growth in shade, (29) 130. Indian, studies, (36) 228. insects affecting, (31) 849. Liming experiments, (20) 127.	dressing and preparation, (31) 75.
growth as affected by light, (28) 227.	exports from Australia. (33) 268.
growth as affected by sulphur, (32) 724.	fat, digestibility, (34) 364. fat, digestion and absorption, (34) 257.
growth in shide, (28) 150. Industration (38) 222	finishing on siloga (98) 570
insects affecting, (31) 849.	finishing on silage, (26) 570. imports into Great Britain, (27) 470.
	nutritive value and digestibility, (29) 159.
molasses sludge as fertilizer for, (33) 818.	prices as affected by cold storage, (28) 871.
nitrification, (28) 124.	prices in Ireland, (31) 96.
oil— action on grape must fermentation, (36)	production, (29) 469. recipes, (28) 860; (29) 159.
801.	storage in Philippines, (26) 262.
detection, (29) 613.	tallow, determination in lard, (30) 110.
determination in rapeseed cake, (37) 416.	tallow, solidifying and melting points, (34)
effect on must and wine, (30) 612.	201, 202. tapeworm cysts in, (29) 886.
examination, (36) 319. insecticidal value, (34) 359.	Mya arenaria as human food, (35) 859.
reducing power, (28) 504.	Myceliophthora sulphures, optimum culture
use in preparation of vaccine, (35) 380.	medium for, (29) 220.
oils, metabolism, (39) 668. Orobanche on, (30) 146.	Mycenum, intercentiar, staining, (20) 51.
Oronaudne on, (30) 146.	Mycelophagus castancae, relation to chestnut black canker, (26) 551.
prepared, examination, (26) 867. Scierotinia libertiana affecting, (26) 647.	Mycetaulus n.sp., notes, (34) 361.
seed, germination as affected by green manures.	Mycetaulus n.sp., notes, (34) 361. Mycetobia, notes, (36) 255.
seed, germination as affected by green manures, (33) 331.	Mycetoma pedis, causative agent, (26) 281.
seed oil, physical constants, (35) 312.	Mycetophila—
seed oil, physical constants, (35) 312. seeds as affected by disinfectants, (26) 820. seeds in feeding stuffs, (40) 637.	merdigera n.sp., description, (39) 867. spp., notes, (27) 57.
	- C - C - C - C - C - C - C - C - C - C

```
Mycetophilid larva. diuterous parasite of, (34) 553.
Mycetophilidae of North America, (27) 57, 661.
Mycobacterium enteritidis chronicae pseudotuber-
                                                                                                                                                                                                     Myelophilus piniperda—
in New Jersey, (34) 355.
notes, (32) 550.
        culosae bovis, isolating and cultivating, (26) 783;
                                                                                                                                                                                                      Myennis scutellaris, notes, (36) 657.
Myarchus spp., feeding habits, (28) 57.
 (28) 480.
Mycoderma cervisioe, effect on organic acids, (27)
                                                                                                                                                                                                      Myiasis-
                                                                                                                                                                                                                  aurum accompanying radical mastoid opera-
tion, (31) 777.
cutaneous, in man, (36) 359.
dipterous larvuo in, (32) 450.
due to syrphid larvuo, (39) 287.
in cattle, notes, (29) 482.
in man and animals, transmission by flics, (34)
 Mycodextran, studies, (33) 411.
 Mycodiplosis
macgregori n.sp., description, (33) 859.
pulvinariae n.sp., description, (27) 57.
Mycogalactan, studies, (33) 411.
ervina theobromae n.var., notes, (37) 148.
1-crniciosa, description and treatment, (32) 50.
5p., notes, (28) 241.
Sp., relation to rubber spotting, (29) 451.
Mycoldea parasitica, notes, (40) 47.
Mycological—
flora of flu
                                                                                                                                                                                                     359, in man, insect vector, (37) 357, intestinal, studies, (28) 780, of urinary passages, (32) 450, relation to cheese skipper, (31) 552, relation to flies, (30) 756.

Myiochamus spp., feeding habits, (28) 57.

Myiophasia—

22022 parts (27) 844
              flora of Tunis, (32) 842.
work, Schweinitz's (39) 30.
                                                                                                                                                                                                     acnea, notes, (27) 864.
revision, (34) 360.
spp., notes, (36) 256.
Mylabris peruanus n.sp., description, (32) 658
Mylacus saccatus, notes, (35) 364.
Mymar n.sp., from Maryland, (38) 565.
Mymardae—
work, Schwelling S (39) 50.

Mycology—
bibliography, (29) 626; (30) 349; (33) 846.
economic, scientific aspects, (28) 442.
of water supplies and sewage, treatise, (30) 418.
textbook, (38) 147.

Mycophenolic acid in corn, (29) 8.

Mycophasm theory—
investigations, (26) 341.
notes, (27) 252.
of Eriksson, (33) 448.
                                                                                                                                                                                                       Mymaridae-
                                                                                                                                                                                                       new, in eastern United States, (35) 263.
of Australia, (28) 563; (39) 154.
Myobia ensifera, notes, (32) 353.
                                                                                                                                                                                                      denticollis, investigations, (38) 61.

Myoma, diagnosis, (31) 877.

Myonysus decumani, occurrence in Rhode Island, (29) 755.
                                                                                                                                                                                                       Myochrous
 Mycorrhiza-
                ectotrophic and endotrophic, investigations,
               (30) 132. endotrophic, in endotrophic, investiga (30) 132. endotrophic, of Ericaceae, (39) 25. endotrophic, studies, (37) 129. fungal, cytology and physiology, (30) 826. on cranberry roots, (33) 341. on potatoes, (27) 24. relation to mucorineae, (27) 134.
                                                                                                                                                                                                      (29) 755.

Myopa, synopsis, (36) 255.

Myospila meditabunda—
notes, (30) 553.
studies, (37) 764.

Myothermic apparatus, description, (32) 257.

Myrciarias spp., descriptions, (31) 536.

Myrnangum durinei—
description (32) 460
  Mycorrhizae
                notes, (27) 851.
                of trees, review of investigations, (36) 527.
                                                                                                                                                                                                      description, (33) 459.
notes, (28) 453.
Myriapoda—
British, check list, (40) 647.
handbook, (30) 256.
migrating armles of, (34) 364.
  of trees, studies, (31) 127.
Mycoses, treatise, (27) 882.
Mycosis, generalized, in cows, (30) 185.
              roosphaerella—

aurea n.sp., description, (37) 551.

aurea, studies, (38) 546.

bambusifolia n.sp., studies, (27) 154.

brassicicola, notes, (32) 545; (34) 49, 542; (36) 145.

ctrullina, inoculation experiments, (29) 847.

citrullina, notes, (37) 533; (30) 148, 845.

coffeee, notes, (30) 751; (32) 749.

convexula, studies, (27) 547.

criodendr in.sp., description, (32) 749.

fragariae, notes, (40) 158.

grossulariae—

notes, (37) 551.
   Mycosphaerella-
                                                                                                                                                                                                      mhgraung armes or, (04) 50%.
of Kansas, (30) 756.
species injurious to man, (39) 768.
studies, (29) 58.
Myrica gule, root nodules of, (27) 25.
Myrioconium scirpi n.g. and n.sp., studies, (29) 345.
                                                                                                                                                                                                       Myristic
                                                                                                                                                                                                       acid, determination, (31) 508.
acid salts, solubility, (35) 416.
and lauric acids, separation, (35) 416.
Myristone, occurrence in alfalfa, (26) 802.
Myrmelachista ambigua—
              grossulariae—
notes, (37) 551.
perfect stage of Septoria ribis, (36) 246.
studies, (38) 546.
hordicola n.sp., description, (38) 648.
horii n.sp., notes, (39) 753.
lageniformis n.sp., description, (27) 50.
lethalis n.sp., description, (28) 845.
n.spp., descriptions, (27) 149.
nigerristigms n.sp., description, (32) 844.
ontarioensis n.sp., life history, (33) 548.
perseae n.sp., notes, (30) 248.
phaseolorum n.sp., description, (35) 454.
pinodes—
                                                                                                                                                                                                      notes, (38) 558.

ramulorum, notes, (29) 642, 652.

Myrmica scabrinodis sabuleti, embryology, (29) %60.

Myrobalan as rootstock, tests, (40) 445.

Myrobalans—
                                                                                                                                                                                                      Myrobalnns—
as tanning material, (36) 500.
season for collecting, (35) 317.
Myrtaceous plants, possibilities of, (35) 141.
Myrtillo-berry extract as an indicator, (40) 409.
Myrtillo-berry extract as an indicator, (40) 409.
Mystin, detection in milk, (28) 806.
Mystrosportum alliorum, notes, (31) 539.
Mytilaspis—
citricola, notes, (30) 853.
pomorum, see Oyster-shell scale.
Mytillion n.sp. on Piceas, (34) 56.
Mytillus edulis as human food, (35) 859.
Myxofusicoccum, new genus, description, (26) 845.
Myxomycetes—
                  pinodes
               pindes—
life history, (33) 548.
notes, (29) 645; (36) 249.
relation to Septoria pisi, (29) 447.
scutina, notes, (37) 550.
scutina, investigations, (33) 347.
sentina, relation to weather, (32) 842.
                sp., notes, (26) 850.
(Sphacrella) convexula, notes, (26) 56.
studies, (30) 537.
virgureae n.sp., description, (27) 51.
                                                                                                                                                                                                       Myxomycetes—
cytology of, (40) 726.
saxuality in, (38) 331.
Myxosporidia, filament extrusion, (40) 255.
Myxosporidia, filament extrusion, (40) 255.
                plants, nutrition physiology of, (28) 430.
roots of different plants, reciprocal influence,
(35) 654.
                                                                                                                                                                                                        Myxosporium
                                                                                                                                                                                                       Myxosporium, description, (27) 450. corticolum, notes, (33) 348. sp., notes, (29) 49. spp., inoculation experiments, (27) 651. Myzine sexcincta, notes, (29) 58.
   Mydaea spp., studies, (37) 764.
Mydas clavatus larvae, notes, (40) 653.
Myelois cribrella, notes, (85) 463.
```

Myzocallis pasaniae n.sp., description, (34) 453.	Narnia—
Myzomela rubratra saffordi n.subsp., description,	notes, (39) 361.
(37) 758.	pallidicornis, notes, (28) 451.
Myzomyia rossii, midge parasite of, (26) 559.	Narra fruit, use as food, (27) 268
Myzopsis n.g., description, (40) 60. Myzus—	Nasonia brevicornis— notes, (38) 466.
abietina, see Aphis abietina.	parasitic on sheep maggot flies, (32) 757.
braggii and Rhopalosiphum hippohaes, con-	Nasturtium—
fusion, (34) 357.	bacterial disease, studies, (30) 349.
braggii in Louisiana, (40) 58.	wilt, studies, (33) 744.
California species, (37) 158.	Nasturtiums—
cerasi, see Cherry aphis.	breeding experiments, (36) 838; (39) 746,
dispar n.sp., description, (31) 157. fragariae, notes, (30) 53.	fumigation with hydrocyanic acid gas, (33) 522. Natal grass—
godetiae n.sp., description, (37) 158. persicae, see Peach aphis, green.	culture in Philippines, (26) 361, 362. hay, analyses, (35) 339. notes, (35) 339.
persicae-niger, see Peach aphis, black.	red, analyses, (27) 68.
ribifolii n.sp., description, (37) 562.	yields, (29) 224.
ribis, see Currant aphis.	National—
spp., notes, (28) 854.	Academy of Sciences, (32) 697.
spp. on Rosaceae, (32) 848.	Agricultural Society, (34) 799.
whitel n.sp., description, (27) 758.	Association—
Nabis rufusculus, studies, (34) 853. Nacoleia octasema, biology and remedies, (38) 59. Naegleria gruberi, life history, (38) 556.	for the Study of Pellagra, (33) 167. of Gement Users, (34) 685.
Naemosphaera chanousiana n sp., notes, (37) 630.	of Commissioners of Agriculture, (39) 701. of State Universities, (32) 8.
and dourine, differentiation, (30) 580.	conference on— church and country life, (34) 297.
and dourine, differentiation, (30) 580. diagnosis, (27) 783. immunity to, (29) 380.	marketing and farm credits, (35) 296. rural education, (36) 798.
in mice, treatment, (31) 284.	Congress of Horticulture, (36) 100.
infection, biological properties of spleen in,	Congress of Viticulture at Pamplona, Spain,
(30) 477.	(35) 343.
serodiagnosis, (31) 877.	cooperative organization, notes, (38) 595.
transmission by blood-sucking insects, (26) 150.	Corn Exposition, (28) 399; (30) 700.
trypanosomes, antigenic properties, (33) 282.	Council of Farmers' Cooperative Associations,
Nails, holding power, (36) 682. Nana wood, notes, (29) 443. Napaeozapus insignis frutectanus n.subsp., de-	(35) 296. Country Life Conference, (39) 701.
scription, (40) 646.	Dairy Council, purpose and work of, (34) 472. Dairy Show, (35) 799.
Naphthalin—	Drainage Congress, proceedings, (36) 186.
action in soil, (31) 620.	Education Association, (29) 399; (33) 799; (35)
as disinfectant for stored corn, (31) 849. as wood preservative, (27) 314.	Education Association— agriculture at, (31) 498.
effect on plants, (33) 523. effect on refined tars, (26) 188. effect on seed germination, (26) 131.	at St. Louis, (26) 697. notes, (28) 700.
for gas engines, (30) 189, 190. insecticidal value, (32) 353; (39) 762.	Forest Reservation Commission, report, (37) 348.
Preparation, analyses, (38) 643.	forests, see Forests, National.
Naphthol as soil disinfectant, (31) 621.	Formulary, (32) 875; (36) 378.
larvicidal value, (34) 359.	Formulary, (32) 875; (36) 378. forward-to-the-land league, (30) 792. Grange, Columbus, Ohio, meeting, (26) 1. Grange of Patrons of Husbandry, (40) 592.
methods of analysis, (33) 414. 8-Naphthylamin, larvicidal value, (34) 359.	institute of Agricultural Botany at Cambridge,
Naphthylamin, nitrification in soil, (38) 119.	(39) 700.
Napicladium—	Parks Conference, proceedings, (38) 543.
calotropidis n.sp., description, (28) 449. prosopodium n.sp., description, (37) 748. Napier fodder—	Parks, conservation of game in, (38) 555. Potato Association, (37) 601. Research Council, (35) 599. Research Council, functions, (39) 604.
composition, (28) 873.	Research Council, functions, (39) 604.
composition and culture, (36) 230.	Research Council, work of agriculture commit-
notes, (30) 134.	tee, (37) 4.
Napomyza chrysanthemi, see Chrysanthemum leaf	School of Streams and Forests in France, (30)
miner.	495.
Naras, description, (29) 60.	Serum Institute of Holland, report, (29) 377.
Narcissus –	Natto, preparation and analyses, (28) 360.
autumn coloration of, (31) 34.	Natural—
blossom disease, notes, (28) 241.	history of the farm, course in, (30) 897.
bulb disease, notes, (30) 354; (31) 646.	history of the farm, treatise, (32) 493.
bulb rot, studies, (39) 254.	resources of United States, (33) 490.
buids, culture experiments, (30) 140.	science, technique, textbook, (32) 625. selection in beans, (29) 139.
bulbs, nematodes affecting, (36) 752.	selection, notes, (26) 347.
diseases, studies, (37) 47.	selection, treatise, (31) 865.
fly, notes, (27) 53, 356, 359, 457; (30) 56, 458, 757; (31) 757. nematode diseases, (39) 57.	Nature sketches in Temperate America, book on, (26) 346.
nematodes affecting, (38) 455, 460.	Nature study—
pseudonarcissus, carotinoid content, (31) 803.	agricultural, address on, (27) 195.
Narcosis — and anaesthesia, (40) 778.	agricultural, notes, (32) 898, 899. and elementary agriculture in Georgia, (37) 194.
in plants, studies, (27) 130.	bibliography, (32) 496.
local and general, (34) 576.	bulletin, (37) 598.
Narcotics, effect on— development of eggs, (26) 772.	collections for schools, (30) 696. course for teachers, (29) 298. course in, (27) 96; (32) 596; (35) 797; (37) 395;
germination of seeds, (36) 29. heliotropic sensitivity of seedlings, (31) 730.	(40) 493, 898,
plants, (27) 826.	exhibition of Los Angeles schools, (32) 691.
seed germination, (26) 131.	exhibits by rural schools, (31) 899.

```
Nectarines—
composition as affected by irrigation, (29) 236.
correlation between flower and fruit, (29) 424
drying, (27) 146; (37) 114.
fruit stocks for, (38) 345.
pollination experiments, (34) 233.
pruning, (32) 337.
Nectarophora—
pisi, remedies, (30) 654.
solanifolii, notes, (23) 554.
Nectrin—
Nature study—Continued.
for teachers, (35) 92.
for teachers, treatise, (33) 397.
forestry in, (26) 193, 392.
in agricultural teaching and social center work,
(31) 896.
                               Denmark, (31) 598. elementary schools, (29) 394; (31) 193, 194,
                                        493, 599.
                               499, 509.
Geneseo schools, Illinois, (34) 899.
graded schools, (33) 790; (34) 597; (35) 896;
(36) 395.
New York State College of Agriculture, (34)
                                                                                                                                                                                                                                                                   Nectria-
                                                                                                                                                                                                                                                                                    ctrin—
bainii hypoleuca n. var., notes, (37) 148.
bainii, notes, (29) 548, 749.
cancri n.sp., description, (31) 750.
castilloae n.sp., description, (35) 45.
cinnbartina—
in black knot cankers, (32) 52.
notes, (26) 57; (33) 647; (35) 456.
on mulberry, (33) 54.
studies, (27) 49; (36) 751.
cucurbitula, relation to fir withertip, (35) 850.
ditissima—
New York State College of Agriculture, (34) 692.
normal schools, (38) 195.
normal schools, colleges, and universities, (32) 690.
public schools, (27) 694; (32) 493.
United States, (33) 896.
Wisconsin, (35) 796.
lessons in, (28) 598, 694; (29) 395; (30) 496.
manual, (26) 297, 298; (29) 495; (34) 599; (40) 898.
mechanical aids, (39) 299.
organization of, (36) 796.
outlines, (30) 94; (33) 298,596; (34) 794, 795.
pamphlet, (28) 298.
papers on, (33) 296.
relation to agricultural instruction, (31) 194.
relation to school gardens, (27) 298.
teaching, (28) 491; (31) 395, 792; (32) 394.
textbook, (33) 95; (38) 196.
training for teachers, (34) 692.
treatise, (28) 897.
value of, (32) 693.
Naval stores—
from Florida National Forest, (31) 744.
from western pines, (28) 146.
industry, (33) 543.
Navel-ill, see Joint-ill.
Navicular bursa, open, relief, (27) 576.
Navigation regulation and conservation in United
                                        692.
                                                                                                                                                                                                                                                                                      ditissima-
                                                                                                                                                                                                                                                                                                         as wound parasite of fruit trees, (33) 853.
                                                                                                                                                                                                                                                                                                       as would parasite of iruit trees, (33) 863. description, (27) 152. mode of attack, (37) 253. motes, (26) 446; (28) 446; (32) 445, 547; (33) 348; (34) 247; (38) 452; (30) 150. notes and treatment, (29) 49. occurrence in Maine, (31) 151.
                                                                                                                                                                                                                                                                                      diversispora on tea, (39) 452.
                                                                                                                                                                                                                                                                                     galligena—
in Quebec, (32) 544.
in United States, (30) 537.
                                                                                                                                                                                                                                                                                     notes, (20) 448,
graminicola, notes, (29) 47, 445.
graminicola, relation to Fusarium nivale, (30)
                                                                                                                                                                                                                                                                                      ipomoeae, notes, (32) 343.
ipomoeae, relation to sweet potato stem rot, (29)
  Navicular bursa, open, relief, (27) 576.
Navigation, regulation and conservation in United
States, (27) 188.
Nebraska—
                                                                                                                                                                                                                                                                                    647.
laurentiana, notes, (29) 647.
laurentiana on sugar cane, (40) 157.
n.spp., descriptions, (31) 242.
rubi n.sp., notes, (26) 450.
rubi, studies, (34) 352.
sp. on Norway maple, (34) 157; (38) 253.
sp. on Norway maple, (34) 157; (38) 253.
spp., notes, (27) 51, 546.
spp., notes, (27) 51, 546.
spp. on acaco, (34) 540; (35) 353.
spp. on pear, (40) 251.
spp., parasitism, (27) 46.
stem canker of Acacia docurrens, (33) 545.
studies, (30) 537.
                     Corn Improvers' Association, report, (29) 534,
                  Corn Improvers' Association, report, (24) 534, 633.

Forestation Commission, report, (34) 347.

State Board of Irrigation, Highways, and Drainage, rules, (27) 86.

Station, financial statement, (28) 299; (29) 793.

Station, notes, (26) 194, 695; (27) 198, 397, 493, 698; (28) 94, 196, 797; (23) 97, 397, 795; (30) 95, 497, 600, 698; (31) 100, 398, 497, 797; (22) 599; (33) 99, 600; (34) 798; (35) 300, 399, 597, 798; (36) 99, 500, 698, 797; (37) 197, 397; (38) 198, 499, 600, 798; (39) 500; (40) 388, 697.

Station, report, (28) 299; (29) 793; (31) 495; (34) 294; (35) 696; (38) 298; (39) 598.

University, notes, (26) 194, 494; (27) 198, 493, 698; (28) 94, 495, 697; (28) 97, 397, 795; (30) 95, 508; (31) 100, 398, 497, 797, 900; (32) 599, 695; (33) 99, 198, 496, 600, 795; (34) 198, 396, 796; (35) 300, 399, 597, 798; (36) 99, 590, 797; (37) 197, 600, 897; (38) 97, 198, 499, 600, 798; (39) 96, 300; (40) 398, 697.
                                                                                                                                                                                                                                                                                      studies, (30) 537.
                                                                                                                                                                                                                                                                    theobromae, notes, (29) 155.
vanillae, description, (27) 450.
Nectriaceae, studies, (31) 242, 343.
                                                                                                                                                                                                                                                                    Nectriella-
                                                                                                                                                                                                                                                                   cucumeris, n.sp., description, (29) 245.
milidna on Agave, (40) 844.
Necydalis ulmi, notes, (30) 455.
Neda sanguinen, notes, (33) 860.
Neem cake, fortilizing value, (28) 631; (38) 220.
                                                                                                                                                                                                                                                                                    gri podies—
detection, (26) 280.
in animals, (35) 75.
in rabies, (29) 379.
occurrence, (39) 588.
photomicrographs of, (29) 478.
structure simulating in brain of guinea pigs,
(28) 584.
                                                                                                                                                                                                                                                                   Negri bodies-
   Necator americanus, dissemination by files, (30) 659.
Necrobacillosis—
Necetor americanus, dissemination by hies, (
Necrobacillosis—
definition, (33) 774.
in catile, (28) 500.
goats, (31) 86.
hogs, (39) 590; (40) 783.
horses and milles, (40) 186.
sheep, (29) 783.
relation to hog cholera, (39) 589, 590.
umbilical, in lambs, (34) 188.
Necrobia rufipes—
infesting cotton bales, (26) 560.
notes, (28) 161.
Necrobicsis in plants, studies, (28) 429.
Necrology, (39) 200, 400, 900; (40) 800.
Necrosis bacillus, studies, (28) 576; (29) 478.
Necrotic ulcers of the tongue, (40) 283.
Nectadra rodiael—
durability tests, (34) 56.
notes, (28) 544; (36) 745.
Nectar—inconstraint (27) 282
                                                                                                                                                                                                                                                                   Negro
                                                                                                                                                                                                                                                                                      girls, homemakers' clubs for, (33) 299.
problem in the South, (26) 592.
rural schools, practical training in, (32) 289.
                                                                                                                                                                                                                                                                    Negroes
                                                                                                                                                                                                                                                                    Negroes—
agricultural and industrial education, (38) 92.
as farm laborers and share tenants, (32) 489.
county training schools for, (88) 397.
in United States, (33) 395.
land ownership in Virginia, (36) 392.
Neighborhood improvement clubs, notes, (28) 194.
Nelsonite, utilization, (29) 519.
Namatocera—
                                                                                                                                                                                                                                                                    Nematocera—
blood-sucking, of Brazil, (29) 54.
of British India, treatise, (29) 57.
of Venezuela, (27) 862.
Nematode—
(20) 862.
   Nectar-
                    secretion, studies, (37) 633.
vitamin content, (40) 564.
   Nectarine-
                    brown rot, treatment, (40) 851.
pollen, viability, (32) 534.
tree disease, notes, (31) 539.
                                                                                                                                                                                                                                                                                       galls, descriptions, (39) 868.
injury, neutralizing, (28) 845.
new, in rats, (30) 279.
```

Nematode—Continued.	Nematodirus—
new parasitic, (38) 147.	filicollis, life history, (34) 187.
parasites, fourth molt of, (28) 759.	roscidus, destructive to deer, (26) 653.
parasites, fourth molt of, (28) 759. parasites of the dog, (30) 279; (40) 89.	Nematology, notes, (33) 681.
	Nematospora lycopersici n.sp., description, (37) 842.
Nematodes—see also Heterodera	Nematus—
anatomy and life history, (32) 341, 759. and their relationships, (33) 250	oriuhoonii
and their relationships, (33) 250	erichsonii—
associated with bark beetles, (33) 750.	biology, (33) 746.
control, (39) 461.	biology and remedies, (28) 659, fungus purasite of, (26) 63, notes, (27) 53, 460, 552; (29) 252, (30) 362, 815; (32) 754; (35) 54.
counting in soil, (33) 56.	fungus parasite of, (26) 63.
culture, (32) 49.	notes, (27) 53, 460, 552; (29) 252, (30) 362,
	845; (32) 754; (35) 54.
destruction with calcium cyanamid, (37) 453.	parasites of, (32) 352.
foliar mater (00) 004	ventricosus, notes, (27) 460.
embryology, (30) 555 foliar, notes, (28) 854.	Mamorilla magulasa mataa (25) 650
iree-living, of Switzerland, (35) 460	Nemorilla maculosa, notes, (35) 659.
free-living predatory, in soils and water, (38)	Neobeckia aquatica as affected by environment,
254.	(36) 523.
giant in abdominal country (27) 981	Neoborus amoenus, notes, (36) 551; (40) 753.
giant, in abdominal cavity, (37) 281. giant, in liver of a dog, (36) 681.	Neocatolaccus—
giant, in liver of a dog, (30) 081.	
heterovenous, larval forms, (37) 361.	livii n.sp., description, (36) 556.
identification, (33) 459. in Brazil, (30) 857.	syrphidis n.sp., description, (36) 556.
ın Brazil, (30) 857.	Neocelatoria ferov n.g. and n.sp., description, (31)
butterfish in relation to sale warranty, (36)	352,
	Neocerata rhodophaga, see Dasyneura rhodophaga.
662.	Neocosmospora—
connective tissue of bovines, (28) 81.	notes, (29) 444.
crop of chickens, (40) 587.	modificate
digestive tract, treatment, (34) 576.	vasinfecta—
Philippines, (37) 277.	notes, (35) 41; (40) 845. on potato and adzuki bean, (36) 450.
	on potato and adzuki bean, (36) 450.
injurious—	pisi, studies, (36) 749.
in Switzerland, (38) 350.	etudiae (22) 548
to hananas (30) 652	studies, (32) 546.
hoote (97) 151 159 959: (99) 547: (20) 944	Neocremastus n.g. and n.sp., description, (38) 660.
in Switzerland, (38) 350. to bananas, (30) 652. beets, (27) 151, 152, 352; (28) 547; (30) 244. black currant, (37) 843. citrus fruits, (32) 238. citrus trees, (30) 51. clover, (28) 446. coffee (98) 750; (32) 846; (34) 55	Neoderostenus, occurrence in North America, (36)
Diack currant, (37) 843.	556.
citrus fruits, (32) 238.	Neodichocera tridens n.g. and n.sp., description,
citrus trees, (30) 51.	(35) 259.
clover. (29) 446.	Mondingion n a and n ann descriptions (40) 761
coffee, (26) 750; (32) 646; (34) 55.	Neodiprion n.g. and n.spp., descriptions, (40) 761.
(01100, (20) 100, (02) 030, (03) 00.	Neofabrea malicorticis—
Conostegia subhirsuta, (28) 658.	description, (29) 153.
dasheens, (37) 841.	n.sp., description, (27) 649.
ginseng, (32) 641.	description, (29) 153. n.sp., description, (27) 649. notes, (31) 53.
golden seal, (31) 345.	temperature relations, (36) 649.
horses (26) 384	
horses, (26) 384. hyacinth bulbs, (31) 450.	Neolasioptera hibisci, studies, (40) 754.
Hyacinon buibs, (31) 430.	Neolygus nyssae n.sp., description, (40) 353.
lily-of-the-valley, (31) 56.	Neomphaloidomyia n.g. and n.spp., descriptions.
muskrats, (29) 484. narcissus bulbs, (36) 752.	(38) 768.
narcissus bulbs. (36) 752.	Neopeckia coulteri—
note (28) 140 346: (30) 640: (32) 750	1400000ata control1
oats, (28) 149, 346; (30) 649; (32) 750. oranges, (34) 354.	116W 110503 101, (00) 000.
oranges, (34) 304; ornamental plants, (34) 249. pepper, (28) 746; (37) 249. pineapples, (37) 652. pinks, (35) 154. plants, (28) 242; (36) 52, 150. potatoes, (26) 748; (33) 849; (40) 51. rice, (30) 845; (31) 145, 641.	new hosts for, (33) 550. notes, (30) 152; (31) 845; (33) 351; (34) 56.
ornamental plants, (34) 249.	spore variation in, (36) 651.
pepper, (28) 746; (37) 249.	Neophasia menapia, notes, (26) 863.
pineapples, (37) 652.	Neopius carinaticeps n.g. and n.sp., description, (38)
pinks. (35) 154.	165.
plants (28) 242: (36) 52, 150	
notation (26) 749: (22) 940: (40) 51	Neoplasms, transplantable, immunity to, (38) 580.
DOUBLOGS, (20) 140, (30) 045, (40) 31.	Neorhizobius n.spp., studies, (38) 464.
1100, (30) 343; (31) 143, 541.	Neosalvarsan—
sheep and cattle, (28) 481. sugar beets, (31) 747; (33) 851.	action on swine crysipelas, (39) 590.
sugar beets. (31) 747; (33) 851.	fixation by blood, (35) 74.
sugar cane and bananas, (34) 50.	notes (27) 680
tomatoes, (26) 649; (29) 654; (30) 245; (31)	notes, (27) 680. qualitative and quantitative tests, (39) 508.
52.	quantative and quantitative tests, (39) 300.
Wantahlan (00) 010	toxicity, (38) 181.
vegetables, (36) 349. wheat, (30) 243; (38) 850.	use against—
wneat, (30) 243; (38) 850.	contagious pneumonia, (32) 682.
intestinal, bibliography, (31) 679.	epizootic lymphangitis, (28) 784.
intestinal, bibliography, (31) 679. intestinal, fixation and nutrition of, (31) 679.	influenza in horses, (33) 286.
intra-vitam color reactions, (38) 357.	poetorol influenza (20) 205
now conors descriptions (30) 649	pectoral influenza, (30) 285.
new genera, descriptions, (30) 648. notes, (30) 448, 746; (32) 448, 651; (35) 45. of pharynx and esophagus of chickens, (31) 287.	Neosciara n.g. and n.spp., descriptions, (40) 858.
notes, (30) 448, 740; (32) 448, 031; (33) 45.	Neosigniphora—
of pharynx and esophagus of chickens, (31) 287.	elongata n.sp., description, (35) 760.
of ruminants, transmissible to man, (36) 577.	nigra, n.sp., description, (29) 359.
parasitic—	Neotetrastichus n.g. and n.spp., descriptions, (27) 554.
in birds, (31) 184.	Neotoma-
equines, (27) 583.	cinerea lucida n.subsp., description, (37) 757.
fowls. (31) 184.	fuscipes mohajensis, injuring pines, (38) 53.
mammals, (36) 753,	Neottiospora yuccaeafolia n.sp., description, (33)
mammals, (36) 753. olive weevil, (32) 453.	545.
choon (24) 275, (25) 78	Neoxabea bipunctata, studies, (33) 653.
an le overte (20) 540	Neozimmermannia (Gloeosporium) elasticae, notes,
on locusis, (50) 540.	1450% 153
sheep, (34) 275; (35) 78. on locusts, (30) 546. on plants, (34) 841.	(38) 153.
parasitism, (30) 647.	Nepa apiculata, death feigning, (27) 457.
rearing on agar, (33) 547.	Nepa cinerea, parasitic in dog flea, (33) 862.
relation to leaf spot of cereals, (29) 47.	Nephelin—
relation to potato scab, (32) 443.	as source of potash, (30) 216.
reproduction in ortificial modia (40) 927	decomposition by soil bacteria and yeast, (31)
reproduction in artificial media, (40) 267.	
review of studies, (31) 134; (32) 347.	121.
review of studies, (31) 154; (32) 347. segmentation in, (38) 254.	fertilizing value, (27) 125, 725; (29) 625.
technique, methods, (37) 549.	potash, solubility, (34) 328.
treatment, (26) 845; (29) 151; (30) 351, 449; (31)	Nephelite, extraction of potash from, (27) 323.
technique, methods, (37) 549. treatment, (28) 845; (29) 151; (30) 351, 449; (31) 549; (32) 578, 641, 843; (34) 245, 780; (37) 652; (38) 555.	Nephelometer, description, (30) 410; (31) 114.
	Nephelometer-colorimeter, description, (37) 205.

Nephelometry— in study of nucleases, (32) 310.	New Jersey—Continued. State University, notes, (36) 695
review of investigations, (34) 202.	Stations—
studies, (39) 311. Nephoscope, Besson, notes, (30) 17.	financial statement, (27) 798; (28) 796. notes, (26) 300, 695; (27) 99; (28) 195, 697; (29) 498; (30) 397; (32) 600, 695, 797; (33) 900; (35) 97, 300, 698, 000; (36) 196, 599, 797; (37) 98, 197, 498; (38) 97; (30) 599, 697; (40)
Nephotettix hipunctatus, studies, (39) 862. Nephritic affections in domestic animals, pathology,	(29) 498; (30) 397; (32) 600, 695, 797; (33) 900; (35) 97, 300, 698, 900; (36) 196, 599, 797
(27) 576.	(37) 98, 197, 498; (38) 97; (39) 599, 697; (40)
Nephritis— acute, renal epithelium in, (27) 79.	297, 697. report, (30) 395; (31) 196, 398; (32) 598; (34)
in the hen, (39) 190, 393. respiratory metabolism in, (37) 267.	197; (36) 898; (39) 799; (40) 198, 797. report of director, (27) 798; (28) 796.
specific purulent, of Equidae, (26) 173.	New Mexico-
spontaneous, in wild rats, (27) 884. taitrate, see Tartrate nephritis.	College, notes, (26) 396, 695; (27) 99, 699; (28) 397, 495, 698; (29) 196, 398; (30) 300, 397; (31) 197, 497, 698, 900; (32) 497; (33) 300, 795; (34) 600;
Nephrolepis, variation in, (35) 227; (36) 434. Nephroparatyphoid and nephrotyphoid, notes, (32)	497, 696, 900; (32) 497; (33) 300, 795; (34) 600; (35) 96; (36) 99, 695, 899; (30) 198, 697; (40) 298.
374.	State engineer, report, (36) 284.
Nepiera benevola— fuscifemora n.var., description, (38) 165.	Station— financial statement, (27) 492; (28) 899.
fuscifemora, notes, (36) 655. n.sp., description, (35) 262.	notes, (26) 396, 695; (27) 99, 699; (28) 397, 495; (29) 398; (30) 300, 397; (31) 197, 497, 696.
Nepticula—	794; (32) 397, 497; (33) 300, 795; (34) 600;
placicolella, notes, (26) 558. sericopeza, notes, (29) 759.	financial statement, (27) 492; (28) 890. notes, (26) 396, 695; (27) 99, 699; (28) 397, 495; (29) 398; (30) 300, 397; (31) 197, 497, 696, 794; (32) 397, 497; (33) 300, 795; (34) 600; (35) 96; (36) 99, 695, 899; (38) 299, 799; (39) 198, 697; (40) 298. report, (32) 693; (34) 795; (37) 95; (38) 698.
slingerlandella, life history, (27) 456. slingerlandella, studies, (26) 557.	report, (32) 693; (34) 795; (37) 95; (38) 698. report of director, (27) 492; (28) 899.
Nepticulidae of North America, (37) 564.	New York— Cornell Station—
Neptunia prostrata as affected by scasonal humidity, (31) 221. Neradol, notes, (30) 16.	financial statement, (26) 795; (28) 899.
Nereocysus leutkenin-	(29) 196, 398; (32) 695; (33) 198; (35) 97, 197,
analyses, (27) 422. as source of potash, (26) 726.	financial statement, (26) 795; (28) 899. notes, (26) 397, 900; (27) 99, 493, 699; (28) 195; (29) 196, 598; (32) 695; (33) 198; (35) 97, 197, 399, 798; (37) 98, 498, 600; (38) 609; (39) 96 (40) 199.
distribution, (29) 322.	report, (30) 899; (32) 899; (34) 795; (37) 298;
Nerve— degeneration in fowls fed on unhusked rice, (32)	report, (30) 899; (32) 899; (34) 795; (37) 298; (39) 196; (40) 694. report of director, (26) 795; (28) 899.
579. fiber, chemical changes in, (29) 466.	Department of Foods and Markets, work of, (34) 490.
Nervous system—	Food Investigating Commission, (29) 868. Produce Exchange, report, (37) 891.
and internal secretions, (30) 201. and metabolism, relationship, (28) 765.	State-
Nesococcus n.g. and n.sp., description, (36) 551. Nest eggs, tests, (37) 70.	Agricultural Society, (34) 288. Agricultural Society, proceedings, (31) 894.
Nesting habits of the hen, (40) 77. Nests, trap—	Agricultural Society, proceedings, (31) 894. College of Agriculture, history, (32) 895. engineer and surveyor, report, (36) 183, 284.
construction, (27) 279, 374; (33) 473; (35) 792. description and use, (33) 90.	State Station—
for poultry, (33) 473. notes, (30) 197.	financial statement, (26) 299; (28) 194; (29) 899.
records, error in, (26) 5/2.	guide to buildings and grounds, (34) 95. notes, (26) 397, 695; (27) 398; (28) 397; (29) 196; (30) 397, 699; (31) 300; (32) 95; (34) 97,
value in poultry breeding, (26) 572. Nettle—	196; (30) 397, 699; (31) 300; (32) 95; (34) 97, 199, 600; (35) 97, 197, 400; (37) 197, 299, 797;
as a textile, (40) 35. fiber from India, (39) 442.	
Neurobathra strigifinitella, studies, (33) 656.	(88) 2914, 100. report, (21) 809; (30) 899; (32) 603, 706; (34) 197; (35) 94; (37) 396; (38) 95; (39) 93; (40) 97, 509.
Neurobathra strigifinitella, studies, (33) 656. Neurocolpus nubilus, notes, (30) 852; (36) 456. Neuropteroid insects of Philippines, (36) 656.	report of director, (26) 299, 692; (28) 194, 695.
Neuroterus saltatorius, notes, (30) 657. Nevada—	report of director, (26) 299, 692; (28) 194, 695. State Vegetable Growers' Association, (32) 688. State Veteringry College, report, (36) 675, 676
Station—	State Veterinary College, report, (36) 675, 676. New Zealand standard time, (38) 811.
financial statement, (29) 194. notes, (20) 695; (27) 300, 397; (28) 797, 900; (29) 300, 900; (30) 95, 397; (31) 497; (32)	Newark Housekeepers' Insurance Company, (32) 489.
(29) 300, 900; (30) 95, 397; (31) 497; (32) 91, 397, 895, 900; (33) 795; (34) 390, 496, 600;	Nezara— hilaris injurious to peaches, (32) 247.
(35) 96, 399, 798; (36) 695; (37) 97, 498, 897; (38) 299, 400, 900; (39) 96, 399; (40) 398, 600.	hilaris, studies, (37) 258. viridula—
report, (31) 98; (33) 698; (36) 97; (37) 95; (39)	notes, (28) 654; (30) 356; (37) 55; (40) 165.
report of director, (29) 194.	relation to pecan kernel spot, (39) 763. studies, (39) 558.
University, notes, (27) 300, 397; (28) 397, 797, 900; (29) 300, 900; (30) 95, 397; (31) 100, 497;	Nicine, tests, (30) 156. Nickel—
rejort of director, (29) 194. University, notes, (27) 300, 397; (28) 397, 797, 900; (29) 300, 900; (30) 95, 397; (31) 100, 497; (32) 94, 397, 900; (33) 795; (34) 396; (36) 196, 605; (37) 97, 498; (38) 299, 400; (40) 398.	as growth stimulant for hemp, (33) 432, chlorid, effect on olives, (26) 825.
Neve and atmosphere, addedus exchange between,	cooking utensils, usefulness, (33) 68.
(38) 812. New Hampshire—	cooking vessels, solubility, (32) 561. in hydrogenated oils, (34) 10.
College, notes, (26) 396; (27) 198, 397, 493, 698;	in lard substitute, (29) 459. in soils, (31) 720.
(33) 700; (34) 97; (35) 597, 900; (36) 99, 295; (37)	metallic, effect on Aspergillus niger, (30) 824, solubility, (32) 763.
Station, financial statement, (29) 793.	toxic effect on plants, (38) 628.
College, notes, (26), 398; (27) 198, 397, 493, 698; (26) 909; (29) 98, 699; (30) 797; (31) 600, 797; (33) 700; (34) 97; (35) 597, 900; (36) 99, 295; (37) 97, 197, 498; (40) 600. Station, intended statement, (29) 793. Station, notes, (27) 198; (29) 699; (31) 398, 600; (33) 700; (35) 900; (36) 99. Station report of diveders (69) 793.	Nicotiana— abnormalities in, (29) 321; (30) 826; (40) 226.
Station, report of director, (29) 793. New Jersey—	abnormalities in, (29) 321; (30) 826; (40) 226. abscission in, (39) 226. blossom color inheritance, (40) 442.
College, notes, (26) 300; (27) 99, 799; (28) 195;	breeding experiments, (27) 741.
College, notes, (26) 300; (27) 99, 799; (28) 195; (29) 498; (30) 397; (31) 398; (32) 600, 707; (33) 900; (34) 67, 295, 496, 708; (35) 668; (36) 569, 698, 797; (37) 98, 197, 498; (38) 97; (30) 599, 698, 707; (67) 207	breeding experiments, (27) 741. controlled pollination in, (40) 131. factors affecting flower size in, (34) 225.
695, 797; (37) 98, 197, 498; (38) 97; (39) 599, 697; (40) 297, 697.	fecundating stimuli and mutation in, (33) 533, hereditary reaction systems, (36) 521.

Nicotiana—Continued. hybridization experiments, (30) 329, 330. hybrids—	Nigredo— caryophyllina, internal uredinia of, (35) 635. fallens, aecial stage on red clover, (37) 752.
inheritance in, (28) 530; (37) 433. inheritance of flower size in, (29) 216. sterility in, (37) 225. studies, (29) 320.	Nile—flood of 1912, (33) 510. river delta, fertility map of, (31) 119.
inheritance in, (36) 629. inheritance of size in, (35) 819.	silt, (40) 620. water, iertilizing value, (25) 514. Nili maize, fertilizer experiments, (38) 233.
parthenogenesis— and parthenogarpy in. (33) 435.	Ninebark borer, notes, (28) 155. Ninhydrin reaction, relation to age and habits of
in, (30) 221. purthencarpy, and phenosphermy in, (34)	individuals, (33) 876. Nipa palm—
rustica, immunity to gummosīs, (28) 446. self-sterility in, (38) 823.	alcohol from, (29) 414. fiber, tests, (31) 526.
spp, hybridization experiments, (27) 428. spp, hybrids, studies, (27) 230.	sap, studies, (30) 16. Nippon river fever, see Tsutsugamushi. Nipponorthezia, new genus, description, (37) 358.
studies, (28) 530. tabacum, correlation and inheritance in, (27)	Nishiyana n.g. and n sp., description, (38) 857. Nisotra uniformis on cotton, (40) 256.
535. tabacum, cytokinesis of pollen mother cells, (40) 518.	Niter— cake, effect on barley, (40) 515. cake in superphosphate manufacture, (40) 221.
tabacum, inheritance of characters in, (30) 29. variation of flower size in, (33) 435.	soils, reclamation, (38) 323. spots in cultivated soils, (32) 29
viscosum, mosaic disease of, (36) 451.	spots in soils, origin, (33) 121; (34) 811. 812; (35) 724.
as by-product of tobacco culture, (32) 137. content of tobacco plants, (29) 503.	spots in western soils, origin, (36) 123. Nitocris— princeps, notes, (31) 61; (32) 547.
detection on sprayed plants, (38) 56. determination, (27) 14; (29) 810; (31) 613, 714. determination in—	usambleus, notes, (20) 253. Nitragin—
insecticides, (32) 296. presence of pyridin bases, (26) 316.	notes, (26) 723; (27) 322. tests, (26) 123, 322, 521; (27) 322; (28) 426; (29) 733.
tobucco, (26) 412; (28) 412; (37) 14. tobucco extracts, (26) 412, 413, 510, 511.	ρ-Nitranilin, insecticidal value, (34) 359. Nitrate—
distribution in tobacco plant, (26) 333. effect on larvae of eudemis moth, (26) 860. effect on plant growth, (37) 632.	content of— arable soils, fluctuation in, (30) 716.
emulsion for, (37) 760. extraction from tobacco, (29) 118.	dried soils (32) 817. soils as affected by fallowing, (20) 421. soils as affected by tallage methods, (40) 719.
extracts, preparation on the farm, (32) 158. in tobacco compounds, analyses, (26) 714. insecticidal value, (30) 737; (36) 152.	soils, relation to wheat yield, (40) 719. deposits—
oleate, preparation and insecticidal value, (39) 462.	descriptions and origin, (28) 522. in California, (28) 424.
oxalate, use on tobacco, (26) 638. paraffin emulsion, use, (39) 763.	Chile, (27) 519; (28) 522; (29) 517. Idaho and Cregon, (34) 220. United States, (27) 22; (28) 522.
preparations, analyses, (27) 441. preparations, combining with spray mixtures,	origin, (31) 724. diphosphate, fertilizing value, (31) 327.
(34) 158. solutions, aqueous, concentration and optical rotatory power, (37) 14.	exports from Chile, (30) 626. ferment, studies, (32) 523; (33) 726. industry in—
sprays, use with soap, (40) 752. sulphate—	Chile, (26) 425; (27) 21, 519, 723, 727; (31) 724; (33) 326; (37) 217.
as codding moth ovicide, (38) 860. insecticidal value, (37) 550, 660.	Germany, history, (28) 625. Norway, (29) 126.
sprays, tests, (40) 161, 162. sprays, wetting power and efficiency, (36) 455.	of ammonia, see Ammonium nitrate. lime, see Calcium nitrate. potash, see Potassium nitrate.
use with Bordeaux, (34) 61. variation in tobacco plant, (27) 830.	soda, see Sodium nitrate. phosphate, fertilizing value, (28) 520.
Nicotina, analyses, (20) 65. Nicotinic acid — in rice bran. (29) 263; (31) 714.	salts, industry in India, (37) 722. shales, analyses, (29) 318.
in rice polishings, (33) 167. Nidorella auriculata, analyses and digestibility,	supply in United States, (38) 817. Nitrates— absorption by corn and lupine seedlings, (35)
(27) 871; (32) 167. Nigella, floral anomalies in, (29) 629.	absorption by legumes, (36) 329.
Niger—cake, analyses, (30) 176. cake, digestibility, (28) 464.	accumulation as affected by green manuring, (33) 721.
cake, feeding value, (26) 267, 673; (30) 176. seed cake, analyses, (27) 670.	accumulation in soils, (38) 211; (39) 323. analyses, (34) 222. and nitrites, determination, (40) 309.
seed cake, effect on milk and butter, (34) 570. seed plant, culture for seed, (37) 230.	artificial, production and use, (29) 517. assimilation, (30) 824; (32) 223.
Night soil— analyses, (30) 26; (38) 23, 723.	assimilation by— mold fungi, (31) 223. plants, (27) 332; (28) 526; (30) 219.
fertilizing value, (26) 631; (27) 337; (35) 323; (38) 624; (39) 817. microorganisms, effect on soil productivity, (27)	soil microorganisms, (26) 517. Streptothrix, (27) 521.
722. preservation. (29) 731.	atmospheric, accumulation and utilization in soils, (30) 325.
freatment with manganese chlorid, (26) 425. Night temperature—	bacterial destruction of, (31) 819. behavior in cultivated soils, (27) 626; (28) 521, 723; (29) 515.
increase with height, (40) 314. relation to humidity, (40) 715. studies in Roswell fruit district, (40) 117.	723; (29) 315. circulation in soils, (28) 720; (30) 623. detection, (27) 8; (33) 804.
Night wells, formation, (30) 511.	detection in milk, (31) 508.

Nitrates-Continued.	Nitrie acid—
detection in very 200, (32) 115.	action on aluminum, (35) 802.
detection in water, (26) 311. determination, (26) 108, 204; (27) 111, 497; (33)	assimilation by plants, (30) 30, 31. destruction of stumps by, (28) 485; (31) 92.
determination, (26) 108, 204; (27) 111, 451, (66)	detection in presence of nitrous acid, (28) 19.
determination in—	detection in watered Hull Hices, (27) 111.
alkalı soils, (31) 206	determination, (27) 609; (32) 115 determination in foods, (29) 800
	determination in presence of nitrous acid, (31)
soils, (28) 610, (29) 610, 797; (31) 516; (34) 112, 811; (37) 111	503
water, (26) 110; (28) 19, 509; (37) 506.	effect on—
effect on—	action of maltase, (28) 501
apules, (29) 438.	bread fermentation, (27) 268
composition of sugar peets, (26) 196; (31) 435.	plants, (37) 224. in rain water, (31) 812; (33) 617
decomposition of sewage, (26) 725.	industry, status, (27) 128, 519. manufacture, (28) 424; (30) 427; (31) 822. manufacture, (28) 424; (30) 427; (30) 517; (20) 721
development of root tubercles, (35) 634. nitrogen-assimilating hieteria, (33) 724.	manufacture, (28) 424; (30) 427; (31) 822.
nodule production, (32) 727; (33) 134; (37)	maninacture from anunoma, (20) oir, (60) r21.
nodule production, (32) 727; (33) 134; (37) 133; (39) 335.	manufacture from the air, (21) 625, (26) 221,
0ar securings, (31) 231, 326.	physical and chemical data, (40) 607.
minuty of singar Deels, (28) 45.	production from synthetic ammonia, (38) 710.
extraction from soils, (26) 524. fertilizing value, (30) 320; (39) 726.	synthetic, manufacture and use, (35) 128.
flocculating power on clay, (27) 620.	synthetic, manufacture and use, (35) 128. toxicity, (28) 662.
formation—	use on aikali solis, (26) ol4.
from must nitrogen (20) 674	compounds, inorganic, behavior in sunlight,
in acid soils, (36) 22.	(30) 824.
formet coula (20) 624.	nitrogen
moor soils, (30) 325.	determination, (36) 504. in country rock, (22) 28; (36) 423; (37) 518.
in acid soils, (36) 22. cultivated soils, (26) 310. forest soils, (30) 624. moor soils, (30) 325. presence of carbohydrates, (34) 127. soild soils (31) 127	in country rock, (22) 28; (30) 423; (37) 518. in soil, influence of salts on, (40) 722.
puddled soils, (31) 127 soil in relation to weeds, (38) 814.	Nitrids industry, status, (27) 128, 519.
soil in relation to weeds, (35) 514.	Nitrification—
soils, (27) 721; (29) 818. soils after freezing, (30) 23.	and soil toxins, studies, (38) 322.
Virginia colle (30) 506.	as affected by—
in acid soil, studies, (40) 620.	alfalfa and timothy, (29) 317. alkali salts, (38) 322.
chernozem soils, (34) 618.	calcium carbonate, (40) 723
in acid soil, studies, (40) 620. chernozem soils, (34) 618. Colorado soils, (29) 819; (31) 619. orchard soils, (38) 724.	carbon, (27) 322.
rein and snow. (40) 19.	carbon, (27) 322. carbon dloxid gas, (39) 618.
rain and snow, (40) 19. soil, determination, (40) 506.	carbon disulphid and toluci, (30) 717; (40)
entle (28) 723! (27) 419.	513. copper salts, (29) 529.
solis as anected by soil moisture and manufe,	crops and fertilizers, (35) 321.
(36) 816. leaching from pervious soils, (37) 23.	ether, (27) 131.
leaching in soils in winter, (36) 119.	ground limestone, (27) 422.
localization in plants, (30) 30. loss from soil, (29) 315.	gypsum, (26) 527. humus-forming materials, (35) 216.
loss from soil, (29) 315.	irrigation and crop production, (31) 119.
loss from soil as affected by plant residues, (40)	lime-magnesia ratio, (32) 720.
loss from soil as affected by sugars, (40) 122.	liming. (26) 428.
loss in drainage water, (20) 421.	manganese, (34) 023; (37) 120.
manufacture, (28) 424.	manganose, (34) 623; (37) 126. metallic salts, (31) 120. organic substances, (31) 223.
	partial sterilization, (28) 121.
from peut, (31) 321. from the air, (27) 420; (28) 818; (33) 25. inefficiency in, (32) 322. movement in soils, (28) 813; (30) 118.	radioactivity, (30) 30. soil moisture, (28) 720; (36) 513; (40) 719.
inefficiency in, (32) 322.	Soil moisture, (28) 720; (30) 513; (40) 719.
movement in soils, (28) 813; (36) 118.	spray mixtures, (30) 423, 424. straw, (40) 719.
HILITO RETURNS TO THE ENTER OUT DECENSES IN	sulphur. (31) 125.
sunlight, (40) 425. origin and distribution in soils, (20) 621.	sulphur, (31) 125. effect on soil fertility, (35) 21; (37) 519.
production by Azotobacter, (31) 421.	effect on solubility of triculcium prosputate,
production in Chile, (32) 517.	(30) 23.
roduction	factors affecting, (36) 321. in acid humus soils, (30) 424.
hy bacteria, (31) 324. Streptothrix, (27) 621. yeasts and molds, (33) 726.	acid or nonbasic soils, (30) 517.
veasts and molds, (33) 726.	acid soils, (32) 121; (35) 514; (40) 620.
in cultivated soils, (40) 319.	arid soils, (29) 21, 211.
Nebraska soils, (29) 734. plant cells, (28) 428.	Colorado soils, (29) 621. cultivated soils, (31) 722.
sterilized soils, (31) 121.	Dunkirk Clay Loam, (26) 434.
of. (26) 507.	fallow soils, (28) 417; (31) 722.
without anacrobic conditions, (31) 127.	Hawaii soils, (32) 719.
relation to cultural practices and plant growth,	Indian alluvium as affected by potsherds, (40) 24.
(37) 813.	moor soils (40) 811
relation to sodium carbonate formation in soils, (28) 719.	natural soils, (40) 418. pasture soils, (30) 399; (31) 516. Philippine soils, (34) 718.
rôle in plant nutrition, (26) 625.	pasture soils, (30) 399; (31) 516.
rôle in plant nutrition, (26) 625. Schloesing, fertilizing value, (33) 25.	rilippine solis, (34) 718.
synthetic, manufacture by electricity, (30) 122.	plants, (34) 627. plants as affected by naphthalin, (33) 523.
titration with ferrous sulphate, (34) 203. transformation by soil microorganisms, (38) 723.	sandy loam soils, (36) 321.
use in Europe and Egypt. (27) 727.	semiarid soils, (36) 422.
use in United States, (27) 727. utilization by pea seedlings, (27) 730.	plants as affected by haphthatia, (35) 422. sandy loam soils, (36) 321. semiarid soils, (36) 422. soils, (26) 721, 722, 723, 816; (31) 318, 420, 818; (34) 127, 423, 619; (35) 626; (36) 724; (37) 318; (38) 211.
utilization by pea seedlings, (27) 730.	(37) 318: (38) 211
utilization by plants, (35) 28. Nitribacillus—	in soils—
oligotrophus, notes, (32) 523.	and solutions, (30) 218.
nolytrophus, notes, (32) 523.	nature, (36) 513.

Nitrification—Continued.	Nitrogen—Continued.
in soils—continued.	ammonia
statistical study, (39) 815. studies, (27) 517; (28) 814; (29) 21; (33) 421,	behavior in limed and unlimed soil, (26) 320. determination, (31) 109; (38) 311.
620. in solutions, (31) 420.	determination in urine, (34) 613. determination in water, (29) 617.
tilled and untilled fallow, (30) 216.	fixation by permutite and clay soils, (29)
Virginia soils, (29) 621. inhibition by alkali salts, (27) 124.	127, 517. utilization by corn plantlets, (27) 634.
of green manures, (28) 124; (33) 514.	utilization in protein metabolism, (29) 62.
of organic compounds in soils, (38) 119. of organic manures, (31) 723.	analysis, apparatus for, (40) 111. and carbon, equilibrium in soils, (38) 421.
rate of, (32) 123. relation to—	apparatus, all-glass, (40) 609, 806. as source of muscular energy, (26) 763.
crop production, (35) 424	assimilating bacteria, studies, (39) 722
cultural practices and plant growth, (37)	assimilation— as affected by humus, (31) 120.
soil fertility, (32) 96.	by Azolla, (29) 133. corn, (28) 225; (37) 223.
review of investigations, (30) 11. rôle of Streptothrix in, (27) 621.	1ungi, (29) 824.
seasonal variation, (32) 514. studies, (28) 217; (32) 320; (33) 124, 422; (39) 324.	legumes, (29) 326; (30) 435; (31) 523 living organisms, (30) 323.
Nitrifying organisms—	nold fungi, (28) 803. plant roots, (27) 634. plants, (26) 617; (27) 226; (32) 121. rice, (26) 41; (38) 340.
as affected by cyanamid and dicyanodiamid,	plants, (26) 617; (27) 226; (32) 121.
(40) 724. media for, (35) 226.	rice, (26) 41; (38) 340. royal palms, (27) 847.
studies, (39) 619. Nitrite-forming organism, new, studies, (35) 334	Streptothrix, (27) 620.
Nitrites—	from nitrates, ammonium salts, and aspara- gin, (27) 331.
accumulation in soils, (37) 19.	in meadows, (26) 422. plant cells, (28) 428.
assimilation, (32) 223. assimilation by mold fungi, (29) 29.	presence of nitrates, (31) 121.
assimilation by plants, (22) 526; (30) 219, 824. detection, (20) 108, 506; (33) 804. detection in drinking water, (32) 311.	atmospheric, abnormal fixation, (29) 819. atmospheric, assimilation by—
detection in drinking water, (32) 311.	alfalfa. (39) 738.
detection in drinking water, (32) 311. detection in sewage, (32) 115. detection in water, (26) 511. determination, (26) 311; (27) 111; (33) 204; (36) 203; (40) 309, 610.	mycorrhiza, (30) 826. plant hairs, (82) 327; (33) 30. plants, (31) 223; (35) 435.
determination, (26) 311; (27) 111; (33) 204; (36) 203; (40) 309, 610.	piants, (81) 223; (35) 435. soil organisms, (32) 29.
determination in—	yeasis and funct, (30) 629; (32) 728.
potable waters, (27) 503. presence of nitrous acid, (31) 503.	atmospheric, fixation, (28) 222, 522; (29) 517, 730; (39) 428.
sewage, (26) 407. soils, (29) 797.	atmospheric, fixation— as affected by plant tissues, (39) 26.
water, (28) 19.	by aluminum nitrid, (27) 325, 624,
effect on determination of oxygen in water, (31) 411.	Azotobacter, (29) 227. bacteria, (26) 123, 824.
formation in aqueous solution by sunlight, (40)	boron compounds (20) 829- (32) 125
425. from nitrates by sunlight, (38) 811.	electricity, (26) 425, 818; (27) 420; (31) 622, 822; (32) 125, 722; (33) 125, 219, 326, 517; (35) 219; (36) 122; (38) 122, 311, 325, 423, 625; (39) 817. feldspar, (29) 518.
in calcium eyanamid, (32) 217. in diseased plants, (37) 549.	326, 517; (35) 219; (36) 122; (38) 122, 311, 325, 423, 625; (39) 817.
in plants, (33) 627.	feldspar, (29) 518.
localization in plants, (30) 30. manufacture, (28) 424.	fungi, (28) 824. legume hacteria, (29) 629.
Nitrobacteriaceae, genera, (39) 828. Nitrobenzene, insecticidal and larvicidal value,	nonlegume plants, (37) 819. in soils. (38) 213.
(34) 359.	in soils, (39) 213. treatise, (29) 417.
Nitrobenzol—	atmospheric— industrial fixation, (37) 321, 815
as a parasiticide, (38) 760. determination in peanut oil, (31) 413.	industrial fixation, (37) 321, 815 utilization, (27) 520, 623; (28) 221, 817; (29) 126, 310, 821; (30) 11, 26, 721; (32) 820; (33)
Nitrocultures, preparation and use, (36) 827.	25, 424.
Absorption and leaching in soils, (36) 219; (37) 23.	utilization by higher plants, (33) 627. utilization by radishes, (34) 215.
absorption by oats, (31) 632. absorption by soils, (31) 723.	availability— experiments, (40) 125.
absorption by trees, (26) 443.	in harnvard manura (SG) 393 494
accumulation and utilization, (40) 125. accumulation in continuous rye culture, (30)	bat guano, (27) \$55. fertilizers, (26) 523; (36) 818. kelp, (33) 206.
424; (31) 318. action on musts and wine, (36) 801.	kelp, (33) 206. mineral and organic compounds, (34) 621
activity, determination, (27) 496, 499.	available, cost, (26) 95.
aliphatic amino, determination, (34) 608. amino	bacterial, determination in feccs, (26) 161. balance in pot experiments, (27) 21.
and anaphylator in (37) 582.	balance in pot experiments, (27) 21. carbid, fertilizing value, (35) 519.
and polypeptid, determination in barley, mait, and beer, (33) 613. determination, (31) 610; (34) 505, 579; (35)	carbon, and humus ratios in soils, (28) 217. combined, in rain, (27) 212.
determination, (31) 610; (34) 505, 579; (35) 201.	combined, losses of, (28) 424. compounds—
determination, foam inhibitor, (38) 613.	availability for higher plants, (30) 324.
determination in blood, (37) 14, 206; (38) 713. determination in milk, (40) 509.	in growing mustard, (26) 824. in rain and snow, (32) 615.
determination in tissues, (31) 808. in lymph and blood, (39) 670.	in rain and snow. (32) 615. manufacture, (28) 424. manufacture from the air, (27) 824.
pes seedlings, (33) 222. protein, (33) 201.	metabolism in etiolated anoots of Darley,
protein, (33) 201. soils, (34) 515.	(35) 434. of fundamental rocks, (32) 121.
relation to quality in flour, (87) 206.	of soils, (32) 718.

Nitrogen-Continued.	Nitrogen—Continued.
compounds -continued.	fixation as affected by—continued.
of soils and to tilizers, (37) 216.	carbon disulphid and toluol, (40) 513
physical and chemical data, (40) 607.	colloids, (30) 431
sources in United States, (37) 217.	humus, (32) 515.
synthesis by plants, (36) 631.	humus-forming materials, (35) 216
containing bodies in grape leaves, (27) 731.	liming, (26) 428.
containing substances, cleavage by yeast, (26) 607.	plant residues, (40) 121.
cycle in nature, (34) 423.	sodium miratė, (38) 723 sod moisture, (36) 513
cycle in nature, (34) 123. cycle in sods, (27) 517.	soil reaction, (39) 722, 723.
deficiency, effect on out plant, (40) 324. determination, (26) 311, 606; (29) 796, 807; (30) 504; (31) 205; (32) 294, 309, 310; (33) 100; (34) 10, 504; (35) 110; (36) 14, 316; (39) 610; (40) 111, 71, 72, 73, 74, 75, 75, 75, 75, 75, 75, 75, 75, 75, 75	soluble humates, (30) 431, 721; (31) 516.
determination, (26) 311, 606; (29) 796, 807; (30)	stimulants, (27) 131.
10 504: (31) 200; (32) 291, 309, 310; (33) 109; (34)	sugar, (40) 122.
711, 806.	fixation—
determination—	bacteriological studies, (26) 521. by aerobic organisms, (27) 729; (31) 721.
by colorimetry, (33) 312.	alumina and carbon, (28) 222; (29) 417.
by colorimetry, (33) 312. in alfalfa hay, (37) 309. algae, (36) 202.	Azolobacter, (27) 517, 828; (33) 823, 620.
algae, (36) 202.	barium oxid and charcoal, (20) 822.
hantoniates, (26) 803.	fungi, (27) 225; (36) 632.
ammoniates, (28) 803. bacterial cells, (38) 613. betain, (27) 814. bovine flesh, (39) 201.	grass-green algae, (30) 727; (31) 827.
bovine flesh, (39) 201	leguminous plants, (26) 37, 722; (38) 528 microorganisms, (28) 323; (29) 819; (38
calcium cyanamid, (26) 804; (36) 426; (37)	428, 427; (39) 818.
413.	plants. (28) 35; (29) 133; (37) 129; (38) 122.
caustic soda, (32) 300.	plants, (28) 35; (29) 133; (37) 129; (38) 122, soil bacteria, (28) 628; (30) 217.
commercial ammoniates, (27) 8.	soil flora, (35) 320. zeolites, (29) 211.
cottonseed meal, (39) 506. eggs, (39) 715.	Zeolites, (29) 211.
feeding stuffs. (40) 510.	electric, (40) 127.
fertilizers, (27) 206; (28) 726; (37) 504.	factors affecting, (36) 321.
feeding stuffs, (40) 510. fertilizers, (27) 206; (28) 726; (37) 504. flour, (27) 498.	in Colorado soils, (29) 621. manure, (38) 27, 325.
forage plants, (37) 113. humus, (30) 112.	
manus, (30) 112.	sandy soils, (33) 619.
meat extract, (27) 498. meat products, (29) 800.	Solis, (26) 616; (27) 419; (28) 31; (30) 818
meats and meat extracts, (32) 299.	sandy soils, (33) 610. soils, (26) 616; (27) 419; (28) 31; (30) 818 (31) 24, 818; (32) 124, 514; (33) 620; (34) 422, 423, 619.
mixtures of calcium nitrate and cyana-	soils as affected by sulphur, (31) 125.
mid, (33) 711. nitrates, (27) 496.	soils as affected by sulphur, (31) 125. stable manure, (35) 218. virgin and cultivated soils, (32) 216
Norwegian saltpeter, (33) 711.	recent advances in, (40) 801.
organic substances, (30) 807.	relation to green manures. (38) 27.
peat, (28) 508.	relation to green manures, (38) 27. review of literature, (29) 527. rôle or alumina 11, (29) 24.
raw rubber, (30) 615. rubber, (39) 315.	rôle of alumina in, (29) 24.
soil solution, (39) 610.	rôle of microorganisms in, (26) 37. seasonal variation, (32) 514.
soils, (28) 519; (29) 317; (32) 807; (36)	studies, (26) 625; (28) 519; (33) 323.
711.	fixing organisms—
tobacco leaves, (37) 509. ur.ne, (26) 870; (20) 508; (31) 502.	in Iowa soils, (37) 517. media for, (35) 226.
vogetable matter, (34) 410.	for barley, (26) 535.
water, (27) 497.	corn and wheat, (30) 127.
Water and alligants (34) 410	peaches, (33) 236.
wheat, (40) 507. Kieldahl apparatus, (36) 14. Kieldahl inethod, (27) 409, 804; (39) 204.	sweet potatoes, (33) 337.
Kieldahl method. (27) 400, 804: (39) 204	form of in soils, (33) 513. fraction, new, in soils, (37) 518.
	free amino, in proteins of ox and horse serum,
digestion-	(31) 501.
apparatus, description, (37) 503, as affected by sug ir, (32) 302, functoss Kjeldahl, apparatus for, (28) 311.	free extracts in feeds and foods, (32) 21.
function by sugar, (62) 362.	from alfalfa hay and corn, comparative effi- ciency, (28) 261.
distribution-	from olive-oil residue, (40) 26.
during fisting, (27) 455,	from Pacific coast kelps, (33) 125.
in protabline and lysabline acids, (38) 310.	gaseous, in swamp rice soils, (37) 421.
seeds, determination, (40) 502. soils, (37) 517.	green manure, accumulation in sandy soils, (26)
wheat spikes, (26) 739.	224; (30) 21. humin, notes, (27) 671
economy in Tennessee soils, (38) 212. economy of nature, relation to cellulose decom-	humin, notes, (27) 671. hunger, metabolism in, (26) 764
economy of nature, relation to cellulose decom-	in alcoholic extracts of leaves, (27) 731.
position, (28) 720; (30) 424, effect on—	alfalfa hay and corn, comparative efficiency, (32) 863.
apples, (28) 144.	aniviase preparations from paneress and
carnations and roses, (29) 840.	aniylase preparations from pancreas and malt, (30) 463.
devitalized apple trees, (35) 540.	beet-super by-products, (39) 417.
must and wine, (30) 612. peaches, (33) 540.	clays and marks, (32) 121.
variation of tomatoes and beans, (29) 339.	coalgulum and scrum of Hevea latex, (36) 710. cultivated and abandoned lands, (38) 622.
elimination as affected by diet, (30) 864.	dry-farm soils, (31) 318.
exchange during fasting, (30) 200.	eggs, (28) 64.
fate in the animal body, (35) 473.	forest soils, (33) 720.
fecal, origin, (26) 663. fertilization, effect on development of wheat,	garbage tankage, (40) 134. growing pigs as affected by protein consump-
(27) 38.	tion, (32) 73.
fertilizing value, (26) 537; (27) 321, 438, 437; (28)	humus of arid soils, (34) 719.
fixation and oxygen release in green plants,	leaves, studies, (28) 328. milk, (32) 207.
(31) 23.	mulberry leaves, (37) 525.
fixation as affected by—	muscles of invertebrates, (31) 861.
carbohydrates, (23) 816.	Nebraska soils, (28) 216.

Nitrogen—Continued.	Nitrogen—Continued.
in normal diet, minimum, (28) 261. parasitic and saprophytic plants, (27) 526.	organic— absorption by millet, (29) 628.
peat soils, (39) 10.	activity, (27) 206.
processed ferfilizers, (32) 217; (34) 327. protein-free milk, (40) 608. rain and snow, (29) 209; (30) 211, 815; (32) 120; (38) 416; (40) 724, 809.	and mineral, separation, (33) 12. availability, (27) 205; (28) 508; (32) 520.
rain and snow, (29) 209; (30) 211, 815; (32) 120;	avanability in fertilizers, (33) 13.
rain water, (35) 620.	determination of activity, (29) 796. determination of solubility, (26) 523.
rain water, (35) 620. rain water in Alaska, (40) 809. rain water in Holland, (26) 614.	effect on action of phosphates, (35) 326. in Hawaiian soils, (31) 11; (32) 721; (33) 621.
seeds of Acacia pycnantha, (34) 729. soils as affected by—	in soils, chemistry of, (26) 320, 615.
alfalfo. (40) 319, 719, 722.	rôle in ammonia formation, (32) 818. oxidation, (32) 322.
alfalfa, (40) 319, 719, 722, cultivation and manuring, (29) 417, digestion, (28) 121.	oxids, determination in atmosphere, (39) 210.
heat. (39) 617.	ovids, utilization, (40) 815. peat, formation of nitrates from, (29) 624.
heat. (39) 617. molds, (40) 123, 318. soils, notes, (29) 316.	penetration into plants, (29) 732.
Solis, Studies, (28) 120, 814.	pentoxid, determination, (26) 708. permutite, assimilation by plants, (29) 127, 517.
South African soils, (26) 420. stored soils, (39) 421.	permutite, assimilation by plants, (29) 127, 517. perovid, effect on flour, (31) 162. problem in dry farming (29) 229
volcanic ash, (40) 812.	problem in dry farming, (28) 322. problem in relation to the war, (40) 25. production in United States, (37) 721. Products Committee, British, report, (39) 218. protein, determination in soil, (39) 204.
water, relation to plant growth, (39) 332. wheat, studies, (27) 500.	production in United States, (37) 721. Products Committee, British, report, (39) 218.
increase in fermenting manures, (36) 217.	protein, determination in soil, (39) 204.
injurious, in sugar beets, (30) 15; (31) 315. injurious, in sugar cane juice, (30) 15.	protein table for feeding stuffs, (33) 711. ratio as a criterion of quality in flour, (29) 460.
inorganic and organic, assimilation by plants, (26) 32.	relation to—
insoluble, availability in fertilizers, (35) 426.	citrus mottle leaf, (37) 353. fruit-bud formation, (29) 539.
insoluble, in commercial fertilizers, (40) 134. intovication, seasonal character, (40) 463.	phosphoric acid in flour, (26) 661. sulphur in metabolism, (26) 765.
lime, see Calcium cyanamid.	relations of crop plants, (40) 821.
long-continued use, (34) 128.	removal by corn crop, (37) 232.
loss from— grass during curing, (32) 111.	relations of crop plants, (40) 821. removal by corn crop, (37) 232. removal by crops, (39) 724. removal from soil, (30) 517.
grass during curing, (32) 111. manure, (26) 522; (32) 818. manure, prevention, (31) 320.	residual, in blood before and during absorption of food, (29) 767, 768.
peat beds, prevention, (38) 514. soils, (27) 321; (28) 217; (29) 227; (35) 812.	retention after feeding of urea. (30) 169.
	retention in pigs, (28) 469, 872. rôle in plant nutrition, (28) 530; (27) 26.
loss in— calcium eyanamid, (27) 824.	salts, effect on seeds sensitive to light, (35) 222. soluble, as factor in judging flour, (29) 60.
calcium cyanamid, (27) 824. cultivated soils, (33) 809; (34) 516. drainage water, (26) 421, 620; (33) 122.	sources in Unit i States, (36) 122.
green manuring, (38) 622.	sources of, (28) 123 synthetic, status of industry, (32) 622.
industrial wastes, (37) 630. lysin, in proteins, (33) 201.	total and soluble, in flour, (38) 711, 712.
metabolic, determination, (37) 672.	and distribution in citrus soils, (37) 318.
metabolism— during pregnancy, (35) 473.	as affected by calcium carbonate, (26) 226. in Actnomycetes, (31) 321.
during recuperation after fasting, (35) 165. during underfeeding, (30) 764.	in moor soils, (34) 18. in soils, (26) 721; (31) 818.
in Aspergillus niger, (30) 764.	in soils, (26) 721; (31) 818. relation to sulfofication, (39) 823.
in man. (26) 764.	utilization—
of, (30) 465. bacteria, (39) 110. peas, (37) 24.	and accumulation, (35) 125. by crops grown separately and in mixture,
peas, (37) 24. women, (40) 174.	(26) 617.
on a rice and vegetable diet, (20) 803.	by legumes, (33) 426. by sugar beets, (33) 434.
methods of manufacture, (40) 25.	waste and recovery in coal-using industries, (28) 221.
minimum— in fever and during work, (32) 564.	water-insoluble, in fertilizers, (34) 625.
physiological, studies, (29) 164 studies, (26) 764.	water-soluble, in feeding stuils, (34) 72, 501. Nitrogenous compounds—
monopoly in Germany, (33) 624.	as affected by organic substances, (27) 626; (33)
nitrate, determination in soils and fertilizers, (27) 110.	assimilation by mold funct, (33) 726. decomposition in soils, (33) 808.
nitric—	decomposition in soils, (33) 80S. effect on germination of seeds, (33) 825.
assimilation by green plants, (28) 328. determination in mixed fertilizers, (27) 610.	enect on legame Dacteria, (29) 155.
determination in soil, (38) 111. in chernozem soils, (34) 618.	in soils, solubility, (20) 108. inorganic, assimilation by plants, (31) 223.
110 veineur in adia, (20) did.	nonprotein, effect on nitrogen intake in pigs, (30) 871.
production and movement in soils, (27) 418.	organic, as affected by manganese oxid, (27) 726,
nitrous, in irrigated soils, (37) 120. nonprotein—	selection by Aspergillus, (33) 824. Nitrogenous constituents of—
determination in blood, (36) 316; (39) 111;	honey, determination, (26) 207.
(40) 310. determination in flour, (38) 614.	leaves, displacement by water, (29) 218. lime juice, (29) 161.
determination in milk, (40) 509. in blood of children, (35) 665.	meat extracts, changes in, (26) 356.
in normal human blood, (28) 665.	urine, studies, (26) 161. Nitrogenous fertilizer—
nutritive value, (26) 665. of feeding stuffs, (36) 205.	Rehmsdorfer, (40) 320. situation in United States, (39) 120.
nutrition-	Nitrogenous fertilizers—
in plants, studies, (29) 628. of mold fungi. (32) 327; (36) 527.	action as affected by distribution in soils, (35) 518.
As more compet fout only fact able	

Nitrogenous fertilizers—Continued.	Nitrous—Continued.
artificial, status, (27) 519. availability, (27) 520; (28) 724, 725; (29) 126; (30) 324; (31) 124, 318; (34) 219; (35) 123, 426; (39) 726	ether, deterioration and decomposition, (27) 614.
324; (31) 124, 318; (34) 219; (35) 123, 426; (39) 726	oxid as an anesthetic, (31) 80.
avanability, determination, (36) 726.	Nocardia— bovis, studies, (37) 482.
availability in presence of sodium nitrate, (38) 723.	infection of udders, (40) 185.
	Noctua spp., notes, (27) 659.
comparison, (26) 31, 33, 125, 324, 425, 523, 536, 725, 735, 736, 829, 836, 837; (27) 24, 218, 519, 531	Noctuid, new, from Brazil, (37) 564. Noctuidae in British Museum, catalogue, (28) 856;
626, 724, 832, 833; (28) 325, 723, 725, 736; (29) 23,	(31) 652.
125, 213; (30) 125, 626, 632, 839; (31) 36, 517, 518,	Nocturnal cooling, studies, (40) 314, 715.
characterisates, (39), 228. companison, (26), 31, 33, 125, 324, 425, 523, 536, 725, 735, 736, 829, 836, 837; (27), 24, 218, 519, 531, 626, 724, 832, 833; (28), 325, 723, 725, 736; (29), 23, 125, 213; (30), 125, 626, 632, 839; (31), 36, 517, 518, 820, 821, 822; (32), 323, 336; (33), 25, 219, 220; (34), 24, 25, 129, 327, 518, 621, 622, 820; (35), 22, 126, 323, 325, 427, 518, 519; (36), 121, 626, 818; (37), 321, 426, 739; (38), 133, 200, 516, 517; (39), 327, 326, 537, 622, 623, 726, 817; (40), 125, 242, 539, 724, 834.	Nodes, branch, nature, (38) 822. Nodular—
126, 323, 325, 427, 518, 519; (36) 121, 626, 818; (37)	disease of the intestines of cattle, (26) 382.
321, 426, 739; (38) 133, 220, 516, 517; (39) 327,	intestinal disease of cattle, cause, (27) 289.
328, 537, 622, 623, 726, 817; (40) 125, 242, 539, 724, 824.	worm, life history and structure, (29) 476. Nodularia harveyana, notes, (28) 31.
effect on—	Nodule bacteria—see also Root tubercles.
acid soils, (39) 627.	as affected by nitrates, (39) 338.
entrus fruits, (27) 350. composition of beets, (31) 737.	as affected by reaction, (39) 722. Nodule-forming organisms, alkali tolerance, (40) 435.
composition of beets, (31) 737. composition of sugar beets, (27) 534.	Nola metallopa, notes, (40) 857.
flax fiber, (31) 332. grapes, (31) 339.	Nolina microcarpa, notes, (29) 441. Nomenclature, stabilizing, (40) 254.
nodule formation, (37) 133.	Nomon, a calculating device for chemists, (38) 204.
soil nitrates, (33) 422.	Nonagria truncata, notes, (40) 453.
nodule formation, (37) 133. soil nitrates, (33) 422. sugar beets, (26) 332. tobacco, (33) 733.	Nonarthropalpus buxi as affected by heat, (27) 856. Nonelectrolytes, effect on action of alcohol on plant
yield of cotton, (31) 136. for apples, (39) 241, 445.	cells, (34) 333.
for apples, (39) 241, 445.	Nonhalophytes, variations in salt content, (29) 28.
arid solls, (34) 621; (36) 726. cranberries, (34) 150.	Nonlegumes and legumes, effect of association, (33) 527.
meadow sous. (34) 22.	Nonnitrogenous constituents, determination in
moor soils, (39) 428, 438.	urine, (26) 161.
oats, (31) 528. olives, (35) 839.	Nonpartisan League in North Dakota, (37) 592.
oranges, (36) 042.	Nonprotein— nitrogen in normal human blood, (28) 665.
peat soils, (39) 428.	nitrogen in normal human blood, (28) 665. of feeding stuffs, nutritive value, (26) 71.
rye, (31) 529. semiarid soils, (37) 319.	substances, determination in muscle, (35) 614.
from refuse substances, (33) 125.	Noodles— artificial coloring, (28) 510.
history and manufacture, (34) 423 hygroscopicity, (26) 226, 525, industry, status, (27) 128. low-grade, availability, (26) 725; (28) 125.	notes, (31) 658.
industry, status, (27) 128.	Norbanus sp., notes, (29) 458.
low-grade, availability, (26) 725; (28) 125.	Noropsis hieroglyphica, notes, (40) 56.
manufacture, (34) 622. manufacture and use, (35) 428.	North Carolina— College, notes, (27) 99; (29) 498, 900; (31) 696, 900; (34) 296, 496; (35) 97, 698; (36) 99, 295, 500, 696; (38) 97; (39) 198; (40) 900. credit union, (36) 289.
manufacture from air, (27) 520. new, production in 1912, (28) 817. nitrifying capacity, (28) 124. production and use, (29) 517. production in 1917, (39) 824. relation to citrus die-back, (29) 248.	900; (34) 296, 496; (35) 97, 698; (36) 99, 295, 500,
new, production in 1912, (28) 817.	696; (38) 97; (39) 198; (40) 900.
production and use, (29) 517.	credit union, (36) 289. Station, financial statement, (26) 899; (29) 95. Station, notes, (27) 99, 199, 398, 699; (28) 698; (29) 498; (30) 600; (31) 900; (32) 798; (31) 298, 496, (35) 97, 197, 698; (36) 295, 500, 696; (38) 97; (39) 96, 198, 300; (40) 398, 900.
production in 1917, (39) 824.	Station, notes, (27) 99, 199, 398, 699; (28) 698; (29)
relation to citrus die-back, (29) 248.	498; (30) 600; (31) 900; (32) 798; (31) 296, 496, (35) 97 107 608; (36) 295 500 606; (38) 97; (30)
separation, (33) 12. sources of, (39) 428, 429, 430. sources of in United States, (30) 126.	96, 198, 300; (40) 398, 900.
sources of in United States, (30) 126.	Harton, 10 port, (81) 80, (80) 080, (81) 080, (89)
standard and new, notes, (27) 128. transformation in soils, (30) 717.	397. Station, report of director, (26) 899; (29) 95.
use in arid regions, (34) 219. use of sulphur with, (39) 622.	North Dakota—
use of sulphur with, (39) 622. v. leguminous green manures, (39) 31	College, notes, (28) 608; (29) 190, 700; (30) 95, 708; (32) 198, 397, 708; (33) 198; (34) 496; (36) 899; (37) 399; (35) 799; (39) 97, 698; (40) 498.
valuation, (29) 821.	899; (37) 399; (35) 799; (39) 97, 698; (40) 498,
Nitrogenous-	College, survey, (37) 596. Dickuson substation, report, (35) 299.
materials— availability, (26) 124; (27) 500, 723	Edgeley substation, report, (35) 299.
determination in flour, (31) 809.	Langdon substation, reports, (32) 598.
nonprotein, of sugar beets, (28) 810.	State engineer, report, (37) 84.
plant foods, inorganic, behavior in sunlight, (30) 523.	Station— bulletins, index, (34) 796.
products, absorption, (29) 465.	financial statement, (28) 493.
soil constituents, effect on plant growth, (29) 219.	notes, (29) 700; (30) 95; (31) 497; (32) 798; (33) 198; (34) 798; (39) 97, 400, 608; (40) 498.
soil constituents, studies, (28) 324. Nitroglycerin, determination in medicinal tablets,	report, (30) C96; (31) 694; (33) 196; (35) 94;
(27) 499.	(36) 498.
Nitrolim— fertilizing value, (26) 630, 639; (40) 242.	report of director, (28) 493. Williston substation, report, (29) 299, 496.
granular v. ordinary, (40) 515.	Nose Hy, distribution in United States, (40) 458.
Nitrometer, modified Lunge, description, (35) 314.	Nosema—
Nitron, use in determination of nitrates in soil, (31) 516.	apis— notes, (26) 457, 561; (36) 53, 258; (37) 58.
Nitrous—	pathogenic to insects other than bees, (30)
acid— detection (28) 804	459. relation to Isle of Wight disease, (37) 360;
detection, (28) 804. detection in ethyl alcohol, (29) 312.	(39) 708, 869; (40) 65.
detection in presence of formic solts (32) 115	(39) 708, 869; (40) 65. studies, (27) 468, 759, 761; (29) 761.
determination, (27) 609; (40) 610.	hombi n.sp., biology and ren.edies, (32) 759. bombyeis—
determination, (27) 009; (40) 610. determination in water, (26) 709. in plant sap, (28) 429; (34) 627. in rain water, (31) 812; (33) 617.	review of investigations, (30) 549.
in rain water. (31) 812; (33) 617.	spores, filament extrusion, (40) 255

Nosema—Continued.	Nun moth—Continued.
bombyeis—continued. structure and life history, (37) 361	studies, (28) 775; (31) 251, 454.
studies, (27) 762.	tachinid parasite of, (27) 58. wilt disease, notes, (27) 759.
ichneumonis, notes, (30) 857.	wipfelkrankheit, studies, (27) 661.
pulicis n.sp., notes, (36) 257. Nosodendridae, catalogue, (26) 560.	Nupserha— apicalis, notes, (32) 347.
Nostoc spp., notes, (25) 31.	sp. affecting soy beans, (36) 157.
Notanisomorpha meromyzae n.sp., description, (38) 165.	Nurseries— insects affecting, (28) 353.
Notarcha (Nacoleia) octasema, biology and reme-	seeding machine for, (27) 191.
dies, (38) 59.	Nursery—
Noteh wing, notes, (28) 157. Nothapocyrtus n.g. and n.spp., descriptions, (28)	experimental and research station in Hertford- shire, (34) 199.
561.	experiments, error in, (36) 735. industry in Utah, (29) 342; (33) 638. inspection, (28) 553, 642; (33) 57; (35) 53; (37)
Nothodiscus antoniae n.g. and n.sp., notes (37) 630. Nothopatella chinensis n.sp., description, (27) 848.	inquistry in Utan, (29) 342; (33) 638.
Notocotyle quinqueseriale n.sp., description, (27)	204, (89) 700.
52. Notodontian larvae, notes, (40) 648.	inspection— certificates, standardization, (33) 745.
Notodontidae, coloration and protective attitudes,	in Arizona, (29) 341; (31) 155; (33) 745; (35)
(32) 850. Notodontoidea, pupae of, (37) 663.	656.
Notoedres muris, notes, (32) 353.	Canada, (29) 252; (32) 448; (33) 746. Colorado, (30) 249; (34) 651.
Notoedres muris, notes, (32) 353. Notolophus antiqua, see Tussock moth.	Connecticut, (26) 855; (30) 654.
Notophthalmus torosus, studies, (39) 660.	District of Columbia, (35) 755. Florida, (30) 249.
Notoxus monodon, notes, (28) 755.	Hawan, (34) 59.
Notopygus virginiensis n.sp., description, (35) 262. Notoxus monodon, notes, (23) 755. Nova Scotia Agricultural College, notes, (28) 497. Novarsenobilion for rat-bite fever, (39) 389.	Florida, (30) 249. Hawan, (34) 59. Kansas, (28) 156; (33) 153; (37) 357. Maine, (38) 344.
Novius cardinalis—	Maryland, (21) 552.
acclimation in France, (30) 554.	Massachusetts, (37) 646.
destructive to fluted scale, (31) 60. notes, (34) 851.	Mauritius, (32) 46. Minnesota, (26) 59; (28) 653, (32) 753; (38)
Nuche, studies, (40) 263.	155; (39) 358.
Nuclear division, mechanism of, (28) 668. Nuclease—	155; (39) 358. New Jersey, (30) 349; (34) 153; (35) 755. Ontario, (27) 39.
as affected by temperature, (28) 803.	Pennsylvania, (26) 539; (37) 459.
nephelometry in study of, (30) 410.	Pennsylvania, (26) 539; (37) 459. Queensland, (30) 51. Rhody John (30) 51.
Nucleic acid— derivatives in peat, (38) 202.	Rhode Island, (27) 857; (33) 153. South Carolina, (30) 346.
determination in flesh of mammalia, (27) 807.	South Carolina, (30) 346. Tennessee, (29) 653; (31) 248; (33) 554. Union of South Africa, (31) 548.
effect on plant growth, (28) 324; (29) 219. effect on soils and plants, (26) 814.	Union of South Africa, (31) 548. United at tes and Canada, (27) 756.
examination, (39) 610.	Utah, (" 42; (33) 638.
isolation from soils, (28) 418. nitrification as affected by lime, (38) 119.	United at tes and Canada, (27) 756. Utah, (" 42; (33) 638. West \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
plant, proparation, (38) 505.	
plant, proparation, (38) 505. Nucleic acids—	Arkansas, (29) 641; (30) 534; (37) 544.
and their cleavage products, (30) 201. isolation from soils, (26) 814.	Arkansas, (29) 641; (30) 534; (37) 544. Colorado, (37) 544. Florida, (34) 232. Idaho, (37) 544.
notes, (32) 678.	Idaho, (37) 544.
treatise, (32) 201. undigested, determination, (32) 311.	Kentucky, (29) 641. Missouri, (29) 838.
Nuclein—	New York, (38) 39.
assimilation by ruminants, (31) 71. effect on the blood, (26) 482; (27) 577.	New York, (38) 39. Texas, (34) 737. inspection laws—
feeding of unimals, (30) 67.	and regulations in United States, (38) 39.
humification, (38) 26.	and regulations in United States and
importance in the animal organism, (33) 758. metabolism in pigs, (26) 363.	Canada, (20) 746. in Canada, (38) 40. in United States and Canada, (35) 461.
metabolism, paper on, (26) 69.	in United States and Canada, (35) 461.
notes, (32) 678. relation to metabolism, (27) 574.	inspection, uniform state law, (32) 398. practice, notes, (29) 838.
Nucleoproteins	stock-
as antigens, (32) 179. bacterial, notes, (32) 78. cleavage products of, (32) 718.	buying, (28) 897. die-back discase of, (34) 353, 646.
cleavage products of, (32) 718.	diseases, descriptions, (31) 448.
formation in chick embryo, (26) 877. metabolism, (27) 464.	diseases in Kentucky, (40) 53. diseases, treatment, (36) 750.
β—Nucleoproteins, antigenic properties, (37) 77.	distribution of peach yellows in. (28) 639.
Nucleosids, metabolism, (32) 256.	exclusion legislation, (40) 645. fire hight affecting, (29) 348, 551. fumigation, (29) 640; (30) 657; (38) 357; (40)
Nucleus, rôle in heredity, (29) 66. Nudacotyle novicia n.g. and n.sp., description, (37)	fumigation. (29) 640; (30) 657; (38) 357; (40)
355.	256
Numenius americanus subspp., notes, (39) 654. Nummularia—	imported, insects collected on, (38) 857. imported, inspection, (35) 755; (37) 257. insects affecting, (32) 449; (34) 251; (37) 760. inspection and shipment, laws, (39) 844.
bulliardii, notes, (37) 246.	insects affecting, (32) 449; (34) 251; (37) 760.
discreta—	inspection and shipment, laws, (39) 644. laws in United States and Canada, (34) 40.
dissemination by tree crickets, (35) 548. effect on apple bark, (34) 136.	leaf diseases, dusting, (39) 548.
effect on apple bark, (34) 136. notes, (27) 445, 749; (33) 348; (34) 247, 646; (37) 151.	leaf diseases, dusting, (39) 548. leaf diseases, investigations, (33) 347. leaf diseases, treatment, (34) 747.
\$tiidles. (39) 53.	pedigreed, (26) 741. "stop-back," relation to tarnished plant bug, (40) 455.
transmission by tree crickets, (34) 653.	"stop-back," relation to tarnished plant
in Indiana, (36) 542. Nun moth—	transportation law, (29) 641.
dipterous parasites of, (29) 759.	Nursing—
hymenopterous parasites of, (28) 455. notes, (27) 861; (30) 755.	lectures on, (32) 394. service, rural, of American Red Cross, (30) 793.

52831--26†----26

Nurudea n.g. and n.sp., description, (38) 857.	Nutrition—Continued.
Nutudeopsis n g. and n sp , description, (38) 857.	essentials of, (38) 662. experiments, (39) 364, 665, 666, 667.
butter, notes, (31) 176. butters, accessory growth substance in, (38) 265.	experiments with rations from restricted
diseases, notes, (31) 546, grass, eradication, (37) 132; (38) 828; (40) 823.	fources, (39) 71. handbook, (26) 658; (30) 63. human, food enemistry in the service of, (39) 163.
grass, host plant of corn billbug, (26) 862.	importance of calcium in, (40) 767.
grass, Japanese, control, (35) 528. Growers' Association, Northern, proceedings,	in children, (31) 463. inorganic elements in, (40) 70.
(35) 145. industry in America, (36) 445.	inorganic sulphates in, (40) 71. laboratory manual, (36) 396.
industry in California, (29) 639. kernels, extraction, cleaning, and utilization,	laboratory of Carnegie Institution, (27) 466; (32) 565; (34) 764; (40) 465.
(29) 660.	lectures on, (36) 865.
margarin, analyses, (39) 366. margarin, manufacture, (38) 807.	limited, effect on growing steers, (40) 567. mineral elements in, (29) 862.
oils, digestibility, (38) 867. Nutmeg—	modern theories, (30) 764. newer knowledge of (10) 554.
effect on microorganisms, (35) 557. thread blight, notes, (34) 841.	of farm animals, treatise, (38) 268.
Nutrient—	growing animals, (26) 768. the masses, economic effects, (31) 462.
materials, translocation in plants, (26) 531. media, see Culture media.	women, phosphorus and calcium require- ments, (39) 264.
solution— experiments, technique, (40) 817.	workingmen, (33) 662. papers on, (32) 760; (35) 99, 858, 859; (40) 864.
reaction, relation of plant to, (40) 324.	plane, effect on breeding cattle, (31) 367; (33)
studies, triangle system, (40) 126.	265. plant, see Plant nutrition.
automatic renewal, (36) 433. comparative studies. (36) 224.	principles of (32) 659, 663,
comparative studies, (36) 224, concentration of, (35) 436. effect on—	problems, discussion, (29) 665. problems of the army, (39) 367. relation to microorganisms of air and food, (36)
plant growth, (36) 630, 631, 731.	562.
secretion of diastase by Penicillium camembertii, (36) 328.	review of investigations, (27) 461; (34) 762. review of literature, (26) 266; (33) 169, 462.
winter rest of plants, (28) 435. for plant cultures, (31) 425; (40) 520.	role of carponydrates in, (32) 359.
hydrogen- and hydroxyl-ion concentrations, (38) 736.	rôle of gliadin in, (28) 864. rôle of lipins in, (33) 663.
physiological balance, (38) 730.	rôle of lipolds in, (26) 766. science of, treatise, (38) 468, 661.
physiological balance in sand cultures, (36) 212.	studies, (26) 70, 155, 158, 358, 564; (27) 464; (39) 368.
repeated growing of plants in, (36) 631. Nutrients—	studies —
absorption by plants, (27) 826; (28) 824; (37)	in United States, (28) 362. methods, (27) 469.
absorption by plants, (27) 826; (28) 824; (37) 222; (38) 728. artificial synthesis of, (26) 869.	national laboratories for, (40) 554. of Carnegio Institution, (29) 270; (33) 167.
chemistry of. (28) 201.	567; (36) 763.
dynamic action on kidneys, (26) 465. effect on formation of fruit buds, (27) 538.	of Office of Experiment Stations, (30) 258 (31) 359.
for retarded children, (32) 458. organic, behavior in cell metabolism, (31) 361.	of U. S. Department of Agriculture, (32)
osmotic pressure in relation to plant growth,	cummonis and dispet of data (34) 955
(35) 434. stimulating effect on metabolism, (40) 270.	tortbook, (35) 268. theories of, (28) 669. treatise, (28) 567, 569; (29) 256; (31) 262, 263, 760; (33) 662; (34) 555; (35) 765. value of extractives in, (31) 258.
Nutrition—sec also Digestion, Food, Metabolism, etc.	(33) 662; (34) 658; (35) 765.
amino acids in, (31) 558.	value of extractives in, (31) 258. value of protein in, (26) 764.
and clinical dictotics, (39) 567. and diet, textbook, (30) 463.	work of Prussian Board of Health, (31) 857.
and growth, standards for, (40) 865. animal, see Animal nutrition.	writings of J. von Liebig, (32) 109. Nutritional –
as affected by saccharin, (26) 257.	deficiency diseases, hibliography, (36) 663. physiology, treatise, (40) 463.
and growth, standards for, (40) 865. animal, see Animal nutrition. as affected by succharin, (20) 257. as affected by suit, (27) 464. as factor in fetal development, (28) 570, 574; (33) 266.	Nutritive— elements, effects on ont plant, (40) 324.
bibliography, (32) 760.	factors in animal tissues, (39) 665, 873. factors in plant tissues, (39) 665.
biochemical analysis, (35) 368. bulletins of University of Texas, (33) 364.	Nutrose, substitute for, (38) 710.
calcium and phosphorus requirement, (40) 174. "central-normal," of adults, (33) 462. chemistry of, (32) 851; (33) 258.	Nuts— acreage and values in California, (40) 538.
chemistry of, (32) 851; (33) 258.	arsenic in, (27) 269. as food, (33) 364; (40) 173. breeding, (28) 543.
class for undernourished children, (40) 661. coefficient of school children, (20) 364; (32) 458.	breeding, (28) 543.
defective, in school children, determination, (38) 664.	culture— along highways, (38) 44.
digest of data, (32) 359, 857; (37) 469. discussion, (26) 562.	experiments, (26) 237; (34) 231; (38) 444, 641 (39) 813.
diseases, relation to dict, (26) 264.	in Arizona, (32) 232.
during growth, choice of diet for by rats, (39)	California, (35) 142. Canada, (35) 145.
offect on— amylase content of human saliva, (29) 568.	New York, (35) 145. Pennsylvania, (35) 145.
gaseous metabolism of cold-blooded ani- mals, (30) 563.	southern Texas, (32) 539.
	southern Utah, (30) 442. review of literature, (33) 143.
mental development, (31) 557. plant diseases, (27) 848.	treatise, (33) 537. edible and oil-producing in West Africa, (36)
sexual development of plants, (34) 824.	611.

Nuts-Continued.	Oak-Continued.
edible, of Guam (28) 142	reddish or brown heartwood of, studies, (34) 849
grafting, new method, (33) 643	
insects affecting, (29) 354; (40) 259.	root diseases, notes, (30) 147.
grafting, new method, (33) 643. Insects affecting, (29) 354; (40) 259. Investigations, (40) 150.	root fungus on pear, (40) 252. roots, mycorihiza on, (37) 756.
marketing cooperatively, (26) 92.	scale, golden, notes, (25) 353.
microscopic identification, (28) 565.	scale, studies, (32) 553.
of Hawaii, composition, (32) 761.	seeds, storage experiments, (37) 547.
of Hawan, composition, (32) 761. of Trinidad and Tobago, (39) 449.	silk, crown gall affecting, (28) 417.
planting in eastern United States, (38) 542.	tortrix, notes, (29) 558.
prevention of belibeli by, (31) 762.	tree Cerococus notes (98) 159
propagation, (31) 443.	tree Cerococcus, notes, (28) 159.
numine. (33) 838	tree moth, notes, (28) 159. twig blight, notes, (27) 654.
pruning, (33) 838. soaking, (29) 60, 264.	twig guidler, remedles, (31) 60.
varieties, (30) 41, 640; (32) 232; (34) 231; (38)	twig pruper see Flanhidian gillesum
641.	twig pruner, see Eliphidion villosum unit stresses for, (36) 91
varieties for Ceylon, (39) 845.	white rot, studies, (35) 655.
varieties for Georgia, (34) 436.	wood, Comophora cerebell. on, (39) 553.
varieties for Minnesota, (33) 140.	wood, protection against dry rot, (27) 654.
variety collections, (40) 834.	wood, quality as affected by light, (27) 512, wood, resistance to dry rot, (26) 752; (32) 150, woods, North American, identification, (26) 338
Nuttallia equi—	Wood, resistance to dry rot. (26) 752: (32) 150.
description, (31) 382.	Woods, North American, identification, (26) 338
in equine biliary fever in India, (32) 278.	worm, orange styped, notes, (20) 353.
relation to equine piroplasmosis, (26) 177.	Oakesia sessilifolia, sced to matter in, (31) 225.
Nuttalliosis—	Oaks-
In horses, notes, (26) 888.	The second secon
in Russian Turkestan, (57) 374.	and olives growing in close two units (35) 654
Nuttallornis borealis, feeding habits, (28) 57.	and olives, growing in close pro unity, (35) 654 as affected by smake, (31) 521.
Nymph, agglutinating capacity and complement	hittor notes (36) 540
fixing power, (28) 375.	bitter, notes, (36) 540. cerambycid beetle iffecting, (21) 59. chestnut, Sphaeiopsis canker of, (31) 450.
Nymphaea-	chestnut Sphagoner contrar of (21) 450
alba, chemistry and anatomy of, (34) 522.	chestnut twie blight of 1900 152
mexicana as a duck food, (30) 545.	chestnut, twig blight of, (30) 453 destruction by Agrilus bilineatus, (32) 656.
Nymphula—	distillation volum (22) 15
depunctalis, notes, (34) 250.	dving in Westphilip (22) 650
nymphaeata, notes, (37) 847.	distillation value, (32) 48 dying, in Westphilia, (33) 650. dying, notes, (30) 655; (31) 216.
Nymphulinae, North American, notes, (37) 564.	Emory, in southern Alizon. (27) 617.
Nysius—	food plant of purple scale, (26) 750.
angustatus, notes, (29) 252.	forcing experiments, (28) 435.
delectus, notes, (31) 249.	fossil, of America, (40) 153.
ericae (angustatus), remedies, (36) 154.	germination studies, (10) 47.
ericae (angustatus), studies, (39) 464.	histological variations in (34) 410
minutus, notes, (37) 847.	histological variations in, (34) 440. hybrid, in United States, (37, 820.
minutus, remedies, (39) 760.	hybridization experiments, (40) 47.
senecionis as an enemy of vines, (33) 154.	Irish, composition and mineral constituents
senecionis, notes, (29) 854.	(36) 804.
vinitor, notes, (35) 853; (40) 753.	live, carpenter worm affecting, (31) 550.
Nyssorhynchus annulipes, notos, (35) 258.	live, insects affecting, (28) 159.
Oak-	live, seedling structure, (27) 412,
and beech, union of, (33) 343.	of central California, (31) 839.
and birch, union of, (33) 343.	of North America, (39) 50.
canker, description, (32) 442.	periodicity in, (29) 142.
cork, introduction into southern California, (28)	preserving, (%8) 551.
513.	red, cost of growing, (26) 49
cork, yellow spot disease of, (31) 247.	red, culture and value, (31) 639.
cossid on pecan, (38) 157.	red, density and porosity, (32) 47.
diseasa in Westphalia, (32) 845.	red, pith-ray flecks in, (30) 855.
diseases in Brittany, (33) 56. diseases, notes, (26) 57; (31) 451, 841; (39) 149. fungus on nursery stock, (33) 744.	resistance to Oldium, (40) 253.
diseases, notes, (26) 57; (31) 451, 841; (39) 149,	root parasite of, (30) 354.
fungus on nursery stock, (33) 744.	scarlet, disease of, (34) 448.
heart rot, distribution, (32) 150.	spraying with lead chromate, (31) 60.
heart rot, studies, (30) 52.	valonia, hibliography, (31) 312.
high forests on the Rhine, yield tables, (29) 747.	white-
honeycomb heart rot, studies, (34) 448.	of eastern North America, (33) 646.
leaf spot, large, notes, (28) 55.	polyembryony in, (40) 226,
leaf spot, new, studies, (39) 549.	ray system, (40, 153. ray tracheids in, (38) 45.
leaf spot, unreported, in New Jersey, (33) 250.	ray tracheids in, (38) 45.
leaves, decomposition in soil, (40) 214.	scedling structure, (27) 442.
mildew—	with persistent foliage, leaf structure, (35) 543;
classification and host relationships, (37)	(36) 330.
155.	Oases, irrigation, (31) 287.
in Alsace-Lorraine, (28) 852.	Oat-
in Europe, (27) 153.	amylase, studies, (31) 609.
in Europe, (27) 153. in Hungary, (31) 845. notes, (25) 350; (30) 544, 653, 849; (33) 745;	and pea hay, cost of production, (32) 527.
notes, (25) 350; (30) 544, 653, 849; (33) 745;	and pea silage, notes, (27) 736.
(35) 655.	aphis—
studies, (27) 253, 548; (35) 51. treutment, (26) 451.	alternate hosts, (39) 461.
treutment, (26) 451.	cat-tail as summer host, (37) 461.
Wintering over, (28) 651.	correct name, (38) 462. in Maryland, (38) 151.
Moren, notes, (36) 245.	in Maryland, (38) 154.
Oldium	injurious to apples, (33) 253. notes, (31) 753; (32) 755; (40) 618. remedies, (36) 857.
in France, (37) 756.	notes, (31) 753; (32) 755; (40) 618.
notes, (26) 551; (27) 753, 853; (32) 150; (33) 549.	remedies, (50) 50/.
studies, (29) 553; (31) 246; (34) 650.	Diignts, Dacterial, notes, (40) 840.
treatment, (27) 555.	bran, analyses, (26) 266.
in France, (37) 756. notes, (26) 561; (27) 753, 853; (32) 150; (33) 549. studies, (29) 533; (31) 246; (34) 650. treatment, (27) 855. Oregon, notes, (27) 846. phyllosera, life history and habits, (32) 57. poisoning of livestock; (30) 386.	by-products, analyses, (28) 464; (39) 270.
pnydoxera, me history and habits, (32) 57.	by-products, paper on, (28) 74.
postering of treatmy (or core	chaff, analyses, (27) 469; (29) 467. clippings, analyses, (28) 461.
pruner, notes, (33) 58.	cuppings, suslyses, (25) 401.
pruner on pecan, (38) 157.	clippings, definition, (28) 98.

Out Court out	Oat Continued
Oat—Continued.	Oat—Continued. seedlings—continued.
aecial stage, staining in host tissue, (39) 218.	distribution of stomato in (32) 221
studies, (37) 749, (38) 645.	etiolated, tropic sensitivity of, (28) 630.
treatment, (27) 746 winter resistance of uredospores, (29) 645.	hypocotyl development, (38) 525 phototropism in, (30) 725.
diet, effect on guine i pigs, (36) 364.	phototropism in, (30) 725. sickness in soils, (32) 142.
diet, effect on phenol excretion, (10) 273.	silage, acidity, (39) 310, 878. smut—see also Smut and Cereal smut
diet, exclusive, injurious effects, (31) 366. diseases, life history and treatment, (28) 346.	in Indiana, (36) 542.
diseases, notes, (35) 245.	inoculation experiments, (37) 750
diseases, studies, (30) 816. dry spot -	notes, (28) 443; (29) 831; (31) 829; (38) 848; (39) 353.
notes, (26) 147; (27) 819; (28) 119; (29) 151.	notes and treatment, (28) 51, 544
studies, (33) 540, 547, 847. treatment, (28) 820. feed, analyses, (38) 369; (40) 571.	studies, (38) 646.
feed, analyses, (38) 369; (40) 571.	treatmeni, (27) 137; (31) 98; (34) 744; (36) 449; (37) 750; (39) 137, 248, 353, 351, 549, 851; (40) 49, 155, 156, 630, 735, 747.
ueids, weed control in, (40) 536.	851; (40) 49, 155, 156, 630, 735, 747.
flour, analyses, (29) 270; (38) 666.	smuts— cause and treatment, (30) 47.
fodder, analyses, (36) 65. Fusarium diseases in Bavaria, (30) 748.	descriptions and treatment, (38) 249; (39)
grass, culture experiments, (29) 631.	248.
grass, seeding on ranges, (30) 35. grass, tall—	sprouter, description, (27) 279, 374; (36) 75. starch as affected by pancreas diastase, (28) 660.
analyses, (27) 68; (30) 565.	starch, studies, (31) 828.
as affected by number of cuttings, (29) 431.	stem rust, spore morphology, (40) 642.
culture experiments, (26) 422; (40) 136.	stinking smut, notes, (35) 348. straw—
digestibility, (32) 168. fertilizer experiments, (26) 422.	analyses, (28) 768; (34) 164; (36) 65.
fortilizer experiments, (26) 422. field tests, (39) 135. for irrigated pastures, (39) 434; (40) 432.	analyses and use as human food, (33) 866. as bedding, (39) 621.
irrigation experiments, (32) 221.	composition and digestibility, (34) 565.
meadow, yields, (40) 733. moisture content and shrinkage, (34) 828.	effect on bacterial activity of soils, (35) 216.
moisture content and shrinkage, (34) 828.	feeding value, (40) 666. lime and phosphorus content, (26) 873.
palatability, (34) 865. pollination experiments, (37) 735.	nitrification of, (31) 724.
varieties, (29) 139; (30) 434. vitality of seeds, (27) 740.	v. alfalfa hay for steers, (36) 269
vitality of seeds, (27) 740. grass, yields, (29) 631.	stripe blight, notes, (40) 846 white heads or take-all, notes, (30) 148.
grey leaf or dry leaf, notes, (31) 243.	white heads or take-all, studies, (28) 646.
groats, analyses, (38) 665.	Oatmeal— analyses, (26) 267; (31) 467.
hay— analyses, (29) 467; (32) 465.	bread, notes, (27) 864.
chloroform extract of. (31) 71.	by-products for feeding, (40) 72.
composition, (27) 668. digestibility, (27) 669; (37) 168.	flour, recipes, (40) 67. in bread making, (40) 360.
forage poisoning due to, (37) 689.	middlings, analyses, (35) 562.
injurious effect on horses, (36) 280, 580.	Oats-
mineral constituents, digestibility, (40) 769.	acclimatization tests, (27) 138.
analyses, (26) 665; (27) 774; (28) 464; (29)	adjustment to light, (32) 522.
analyses, (20) 665; (27) 774; (28) 464; (29) 270, 066; (30) 868; (31) 168; (32) 667; (34) 665; (35) 374, 867; (36) 167; (39) 67, 369;	alkalı tolerance, (40) 719.
(39) 270; (40) 571, 665.	analyses, (26) 266, 362, 363, 369, 770; (27) 170,
digestibility, (29) 367.	acid poisoning due to, (34) 786. adjustment to light, (32) 522. alkalı tolerance, (40) 719. amino acid in, (33) 665. analyses, (26) 266, 362, 363, 369, 770; (27) 170, 340, 570; (28) 265, 463; (29) 367; (30) 434, 528; (31) 431, 467, 470, 864; (32) 171, 465, 862; (33) 734; (34) 630, 668; (35) 562; (30) 65; (38) 67;
ground, analyses, (27) 170; (38) 369. hybrids, dominant and recessive characters in,	734: (34) 630, 668: (35) 562: (36) 65: (38) 67:
(28) 197; (30) 33.	
hybrids, yields, (31) 527.	anatomical investigations, (29) 831.
kernel, dietary deficiencies, (37) 61. kernel, fatty substances in, (26) 502.	and barley, comparative growth in nutrient solutions, (40) 131.
leaf spot, notes, (27) 216.	barley, comparative yields, (40) 135, 328. Canada peas, silage from, (28) 731.
leaf spot, treatment, (27) 149. leaves, deformation, (33) 647.	clover following various gross. (40) 829.
loose smut	clover following various crops, (40) 829. corn, analyses, (40) 665.
description and treatment, (31) 446.	cowpeas, liming experiments, (40) 126.
life history and treatment, (28) 445. notes, (32) 48.	cowpeas, mixture digestibility, (38) 778. field peas, seeding experiments, (31) 36.
notes and treatment, (28) 51.	out hay, cost of production in South, (39)
prevention, (33) 245. studies, (35) 845.	294. and peas—
treatment, (27) 445, 734; (31) 344; (32) 49.	as hay erop, (39) 333, 336; (40) 736.
middlings, analyses, (27) 170; (36) 268, 765; (37)	as silage crop, (40) 731.
471; (39) 167. mildew, notes, (36) 541	cost of production, (34) 137. seeding and harvesting dates, (37) 135.
mildew, notes, (36) 541. mildew, studies, (35) 845.	seeding experiments, (37) 640.
mite, description, (35) 468. plant, nutritive elements, (40) 324.	yields, (40) 735. and vetch, fertilizer experiments, (40) 134.
powdery mildew, studies, (31) 343; (35) 651; (37)	and yetch for green fallow, (40) 229.
749.	as affected by
products, analyses, (29) 367. protein, nutritive value, (39) 665, 666.	barium and strontium, (40) 819. calcium and magnesium, (35) 726.
proteins, supplements for, (36) 560.	companion crop of mustard, (36) 438.
rust, description, (35) 47.	greenhouse temperature, (37) 533.
rust, notes, (28) 143. rusts in Canada, (34) 51.	lead nitrate, (26) 225. lime, (26) 429.
seed, spraying, (39) 248.	manganese, (28) 328.
seedlings— as affected by nitrates, (31) 231, 528,	meteorological conditions, (29) 509.
as affected by ultraviolet rays, (26) 430.	rotation system, (39) 639. soil acidity, (40) 134, 324.

Oats-Continued.	Oats-Continued.
as affected by—continued.	culture—continued. in New Mexico, (40) 18. North Carolina, (27) 531. North Dakota, (40) 736. Rhodesia, (27) 32, 637.
132.	North Carolina, (27) 531.
sulphur, (38) 221. uranium and lead, (28) 731.	North Dakota, (40) 736.
water level, (26) 620.	
weather conditions, (27) 641.	western Nebruska, (35) 438. Wyonung, (38) 527; (40) 630. on moor soils, (30) 229; (38) 132; (39) 437;
food for man, (27) 663. forage crop, (38) 827.	Wyoning, (38) 527; (40) 630.
green manure, (38) 27, (39) 423.	(40) 230, 322.
hay and silage crop, (39) 737.	on Wisconsin drift soil, (36) 623.
meadow cover crop, (40) 137. nurse crop, (31) 521; (40) 329.	relation to rainfall, (33) 715. under dry farming, (26) 828; (36) 528, 529;
pasture and haveron (28) 231.	(37) 329; (39) 131.
pasture crop, (39) 470, (39) 880. silage crop, (39) 134. sole ration for animals, (39) 72.	under in gation, (34) 528.
sole ration for animals, (39) 72.	decomposition in soil, (40) 214. depth of sowing tests, (27) 535
sole ration for guinea pigs and raddits, (35)	depths of plowing tests, (40) 624.
781. wheat flour substitute, (39) 871.	description and classification, (26) 41. descriptions, (31) 230
ash analyses, (29) 861.	dietary properties, (37) 261.
assimilation of— nitrogen by (26) 319	digestibility, (37) 678.
nitrogen by, (26) 319. phosphorites by, (27) 340. soil constituents by, (31) 632.	distance experiments, (30) 732. distribution of nitrogen in, (36) 269.
soil constituents by, (31) 632.	drawings of, (29) 141.
awning, studies, (39) 234	drilling v. broadcasting, (33) 33. dwarfness in, (40) 827.
biennial cropping, (32) 226; (38) 430.	dynamiting and subsoiling experiments, (32)
awn development in, (31) 332. awning, studies, (39) 234 biennial cropping, (32) 226; (38) 430. black, eradication, (27) 435. bleached with sulphur, notes, (27) 566. bleached with sulphur, notes, (27) 566.	528.
breaching with surpitur dioxid, (40) 33.	effect on— Azotobacter, (40) 618.
breeding, (26) 434; (40) 523.	carbon dioxid content of soil air. (39) 516.
breeding experiments, (26) 831; (27) 734; (29)	companion from of wheat, (32) 432. flavor of milk, (30) 573.
breeding and improvement in Sweden, (39) 833, breeding evperiments, (26) 831; (27) 734; (29) 138, 532; (33) 331; (35) 831; (36) 336, 834; (37) 738, 827; (39) 126, 234, 334; (40) 233, 524.	following crop, (40) 623.
bushel weights, (37) 889.	milk and butter, (31) 570.
calcium cyanamid for, (31) 524. catalytic fertilizers for, (30) 627.	nitrate content of soils, (29) 818, soil bacteria, (37) 421.
change in weight during storage, (30) 639.	soil moisture, (34) 17.
classification, (30) 528.	succeeding crops, (32) 224. electroculture experiments, (37) 336; (38) 525,
classification of varieties (27) 138. color and other characters, relations, (40) 239.	526: (39) 230: (40) 428.
common and bearded, origin and early habitat,	ergot affecting, (27) 149, factors affecting composition, (27) 139,
(40) 629.	fall-sown, in Maryland and vicinity, (36) 736.
competition in, (27) 430. composition as affected by—	feeding value, (34) 867.
companion crop, (26) 617.	feeding value, (34) 867. fertilizer experiments, (26) 31, 33, 324, 330, 331, 422, 424, 428, 522, 323, 527, 534, 535, 622, 623, 630, 632, 725, 817, 818, 835; (27) 82, 137, 321, 324, 337, 520, 530, 629, 627, 628, 638, 725, 726, 832, 837; (28) 124, 221, 222, 231, 431, 533, 623, 723, 724, 734, 735, 815, 816, 819, 820; (29) 23, 126, 127, 211, 213, 228, 318, 518, 621, 727, 728, 735, 821, 831; (30) 28, 125, 220, 229, 235, 326, 327, 335, 325, 336, 328, 822, (21) 31, 37, 123, 129, 217, 430, 528, 520, 821, (21) 31, 37, 123, 129, 217, 430, 528, 520, 821, 822, 528, 829; (32) 431; (33) 219, 320, 430, 632, 729, 831; (34) 22, 24, 128, 121, 244, 327, 330, 423, 517, 518, 622, 630, 723, 726, 820; (35) 31, 32, 212, 212, 21, 212, 212, 212, 21
companion crop, (26) 617. degree of maturity, (27) 340. fertilization and soil preparation, (34) 230.	630, 632, 725, 817, 818, 833; (27) 32, 137, 321, 324,
irrigation, (28) 332.	337, 520, 530, 626, 627, 628, 638, 725, 726, 832,
composition at different stages, (39) 836.	721, 734, 735, 815, 816, 819, 820; (29) 23, 126, 127,
correlation in, (31) 434; (32) 736, 737. cost of production, (29) 690; (32) 530, 594, 688; (33) 293, 831; (35) 691; (37) 191; (40) 292.	211, 213, 228, 318, 518, 621, 727, 728, 735, 821, 831;
(33) 293, 831; (35) 691; (37) 191; (40) 292.	632, 820, 822; (31) 31, 37, 123, 129, 217, 430, 528,
cost of production in Great Plains area, (33) 232. critical period of growing season, (39) 811.	820, 821, 822, 828, 829; (32) 431; (33) 219, 326,
crushed, analyses, (27) 170; (28) 265; (31) 73,	430, 632, 729, 831; (34) 22, 21, 128, 131, 294, 327, 330, 493, 517, 518, 599, 630, 793, 798, 890, 785
366; (36) 765. crushed v. whole, for work horses, (36) 866.	30, 33, 126, 218, 220, 325, 326, 425, 426, 427, 428,
cultivated, origin, (27) 237; (30) 338, 527; (32)	518, 519, 520, 620; 736, 23, 134, 212, 217, 424, 629, 620; (37) 29, 30, 34, 134, 216, 229, 436, 636, 823; (38) 230, 517, 620, 726, 728, 820, 825, 820; (39) 22, 127, 137, 327, 331, 335, 127, 436, 436, 624, 639, 728, 729; (10) 135, 218, 229, 239, 734, 825.
1.51.	(38) 230, 517, 620, 726, 728, 820, 825, 829; (39)
culture, (27) 32, 139, 337; (29) 830; (30) 434; (31) 35, 265; (32) 132, 220, 598; (33) 731; (34) 138, 691; (30) 530; (38) 340, 636; (39) 834.	22, 127, 137, 327, 331, 335, 127, 435, 436, 624,
138, 691; (36) 530; (38) 340, 636; (39) 834.	fertilizing value, (31) 220.
continuous, (37) 137.	Fielitel Mountain, breeding, (30) 38.
experiments, (26) 38, 233, 329, 422, 737; (27)	floral anomalies in, (20) 629. for cows, (30) 176.
Continuous, (37) 137. experiments, (26) 38, 233, 329, 422, 737; (27) 232, 233, 336, 430, 530, 638; (28) 321, 633; (29) 36, 225, 425, 426, 427, 630, 632, 735, 831; (30) 33, 133, 527, 632; (31) 44;	for cut-over land pasture, (39) 231.
735, 831; (30) 33, 133, 527, 632; (31) 44;	for summer silage, (29) 173.
735, 831; (30) 33, 133, 527, 632; (31) 44; (32) 36, 132, 430, 431, 526, 528, 529, 530; (33) 31, 332, 633, 729, 830; (34) 137, 228, 631; (35) 228, 229; (36) 32, 33, 132, 436, 830; (37) 226, 322, 436, 529, 534, 731, 823; (38) 132, 234, 336, 631, 632, 634, 735, 825, 830; (30) 124, 125, 196, 197, 297, 335, 438	forcing by electricity, (26) 136, geotropism and phototropism in absence of oxy-
631; (35) 228, 229; (36) 32, 33, 132, 436,	gen, (39) 826.
830; (37) 226, 323, 436, 529, 534, 731, 823;	germinating power as affected by age, (27) 740. germination as affected by—
(38) 132, 234, 336, 631, 632, 634, 735, 825, 830; (39) 124, 125, 126, 127, 227, 335, 436, 437, 834, 835; (40) 228, 731, 735, 825.	depth of planting, (36) 437,
437, 834, 835; (40) 228, 731, 735, 825.	electrolytes, (35) 332. fertilizers, (29) 327.
for chicken feed, (38) 827. for hay, (37) 436.	lungicines, (29) 346.
for silage. (26) 574.	Orwood, (28) 536.
in Argentina, (35) 136. Chile, (39) 231.	stimulants, (26) 131.
cotton belt, (32) 533.	at different dates after threshing, (40) 443.
cotton belt, (32) 533. Indiana, (40) 735. Iowa, (39) 136.	energy of, (29) 538.
10wa, (39) 13%. Mexico, (32) 131.	in acid, base, and salt solutions, (30) 228. in mercury vapor light, (30) 827. tests, (20) 223, 740; (30) 837; (31) 136, 733; (37) 239.
Michigan, (39) 320.	tests, (29) 223, 740; (30) 837; (31) 136, 733;
Mississippi, (33) 431. Nebraska, (29) 534; (38) 740.	tests in hydrogen peroxid, (27) 201.

Oats—Continued.	Oats—Continued
germinative ability and vegetative force, (29) 740. germ-ripening experiments, (26) 131.	planting and harvesting dates, (26) 533. planting experiments, (27) 139. plat tests, technique, (40) 227, 623.
Gottinger, characteristics, (28) 738.	pollination, (36) 527.
grades, (32) 138. green, analyses, (27) 170; (29) 407.	potash fertilizers for, (26) 526. precipitin test for, (31) 733.
green in maining experiments, (32) 721; (10) 21, ground, analyses, (26) 72, 408, 665; (27) 570, 774; (28) 266, 66; (29) 666, 79; (30) 67; (31) 663, 863; (32) 259; (41) 467; (35) 371, (37) 767; (39) 369,	prices and shrinkage, (34) 337. primary, secondary, and double kernels for
(28) 265, 461; (29) 660, 7(9; (30) 67; (31) 663, 863; (32) 259; (31) 467; (35) 374; (37) 767; (38) 369.	seed, (40) 731.
000; (49) 241.	Argentina, (27) 193.
ground seaweed for, (10) 724. growing—	1911, (26) 595, 792.
in Colomis and, (39) 323 with corn, (40) 822.	Russia, (26) 294. Spain, (28) 736.
with legumes, (39) 815; (40, 822. with sov beans, (39, 741.	Argentina, (27) 193. Bohemia, (32) 827. 1911, (26) 595, 792. Russia, (26) 294. Spain, (28) 736. United Kingdom, (26) 793. protein content, following black fallow, (34)
without potash, (39) 334. growth as injected by—	radioactive fertilizer for (31) 129
alkali silts, (34) 125; (36) 118. electricity, (28) 827.	ratio of straw to grain, (32) 40; (36) 218. red roots of, (28) 442.
fertilizer salts, (29) 329. meteorology, (29) 510.	relation between size of sieu and yield, (20) 454.
meteorology, (29) 510. spacing, (31) 328.	relation of tops to roots, (31) 733. relative yielding capacity, (40) 625. residual manurial value, (33) 530.
growth — in heated soils, (26) 815; (27) 620.	residual manurial value, (39) 530. right- and left-handedness in, (30) 335.
in vertical illumination, (32) 129.	rock phosphate for, (29) 418. rod-row tests, technique, (38) 429.
on sterilized soils, (31) 336, on volcanic ash, (29) 726; (32) 36, studies, methods, (38) 526.	rolled—
hardiness, relation to sap density, (39) 430.	amino acid in, (33) 665. anaylses, (30) 68; (32) 667.
hay and silage from, (33) 632. heredity of albinism in, (31) 329.	as flour substitute, (37) 895. root pruning experiments, (33) 731.
hardiness, relation to sap density, (39) 430. bay and slique from, (33) 632. heredity of albinism in, (31) 329. history, (31) 131, 230. bull content, determination, (36) 231.	root system. (32) 634.
hulled, investigations, (29) 141. hulled, seed value, (36) 439. hull-less, analyses, (33) 759.	root system and yield, relationship, (30) 38, rotation experiments, (33) 429, 828, 829; (36) 829; (38) 129; (40) 229, 331, 431, 733, 829.
hull-less, analyses, (33) 759.	rust-resistant variety, description, (31) 332.
humin nitrogen content, (40) 510. husk percentage in, (37) 537. hybridization investigations, (26) 831.	rye stalk disease affecting, (26) 546. secondary rootlets, (40) 32.
hybridization investigations, (26) 831. hybridization v. selection in, (29) 635.	seed— bed preparation, (33) 232; (37) 29.
imports from Canada, (31) 95. improvement, (28) 431, 828; (29) 532, 535; (32)	cleaning, (40) 40. examination, (33) 734.
630. improvement in Canada, (37) 831.	home-grown v. linported. (40) 630.
inheritance in, (37) 332.	longsvity, (32) 634. selection, (31) 226. tests (30) 127
inheritance of— early and late ripening, (40) 528.	tests, (39) 137. treatment, (39) 238.
glume characters in, (36) 834. hull-lessness, (40) 438.	viability as affected by age, (31) 624.
tight and loose paleae, (40) 629. inoculation experiments, (35) 32.	depths, (40) 227. experiments, (26) 231, 331; (27) 335, 638, 639;
inosite phosphoric acids of, (39) 14. introduced and acclimated, (40) 429.	experiments, (26) 231, 331; (27) 335, 638, 639; (29) 36, 223, 224, 225, 425, 426, 429; (30) 338; (31) 328, 631; (32) 528, 630, 531; (33) 33, 431, 729; (35) 34, 335; (36) 33, 44, 134; (37) 30, 134, 220, 537, 635, 731; (38) 630, 740; (39) 137, 228, 336; (40) 228, 731.
irrigation. (31) 328.	431, 729; (35) 34, 335; (36) 33, 34, 134; (37)
irrigation experiments, (27) 531; (28) 130, 132, 134, 230, 827; (29) 32, 138, 226, 632; (30) 35; (31) 36; (32) 37, 225; (33) 286, 631, 731, 827, 884; (37)	(39) 137, 228, 336; (40) 228, 731.
640, 822.	tests under irrigation, (39) 133.
kernel-percentage determinations, (40) 35. large v. small seeds, (26) 636.	time, (40) 728. selection experiments, (35) 334, 826; (37) 32,
liming experiments, (29) 223; (32) 31, 132, 812; (34) 132, 133; (36) 27; (39) 221, 720; (40) 322.	selection experiments, (35) 334, 826; (37) 32, 226; (38) 740; (40) 233, 429, 528. selection of varieties, (28) 633.
lodging, (39) 430.	selection of varietics, (28) 633. selection within pure lines, (33) 38. shrinkage tests, (38) 840.
noiging, control, (30) 827. loose smut, description and treatment, (20) 341, maltase content, (31) 204, manurial value, (40) 127. manuring experiments, (40) 331, 431, 630. market grades, (27) 139. measurements, (30) 235. molasses sludge as a fertilizer for. (33) 818.	size and sprout value in relation to yield, (38)
manurial value, (40) 127.	soll moisture removal by, (40) 430.
manuring experiments, (40) 331, 431, 630. market grades, (27) 139.	spontaneous omission of color factors in, (28) 531.
measurements, (30) 235. molasses sludge as a fertilizer for, (33) 818.	spring v. fall sown (39) 836. sprouted—
nematode infection of, (36) 150. nematodes affecting, (28) 149; (29) 151; (30) 649;	amino acid in, (33) 665.
(32) 641, 750.	amino acid in, (33) 665. composition, (39) 74. for fowls, (29) 699; (30) 373; (36) 75. statistical notes, (40) 626.
new, moisture content, (34) 92. new strain, (40) 329.	stooling, (27) 735.
northern grown seed, (36) 634. notes, (26) 362.	statistical notes, (40) 026. stooling, (27) 735. subsoiling experiments, (31) 41, 131; (37) 732. sugar as fertilizer for, (27) 722. sulphur bleached germination tests, (27) 142. sulphur in, (31) 817. susceptibility to powdery mildews, (38) 645. Swiss types, (27) 338.
of Algeria, (34) 36. omission of color factor in, (29) 739. on inoculated soil, (39) 519.	sulphur bleached germination tests, (27) 142. sulphur in, (31) 817.
Dasturing, (3b) 827.	susceptibility to powdery mildews, (38) 645. Swiss types, (27) 338.
pasturing experiments, (33) 830. pedigreed, in Wisconsin, (37) 438; (40) 624.	Swiss types, (27) 338. threshing in variety tests, (36) 534. thrips affecting, (27) 452; (28) 452; (31) 351. transpiration, (34) 522; (39) 517. use in broad making, (40) 360, 863. utilization of different phosphates by. (31) 733.
peptic digestibility, (29) 164. phosphoric acid exchange in, (28) 818.	transpiration, (34) 522; (39) 517.
phosphoric scid exchange in, (28) 818.	use in press insking, (40) 300, 303.

Oats-Continued.	Oberea tripunctata—
v. bran for mulk production, (30) 576. v. corn for mules, (30) 772.	life history, (33) 861.
v. corn for pigs, (31) 868. v. corn for work horses, (37) 195.	notes, (28) 156. Obrussa sp., notes, (37) 564.
v. coin for work horses, (37) 195.	Ocean spindrift and blown spray, effect on chlorin content of inland waters, (31) 813.
v. spring wheat, (40) 443. valuation, (26) 267.	Ocean temperatures on California Cost, (28) 716.
value in the diet (29) 660.	Oceanic circulation and temperatures, (34) 615.
variations in, (31) 832; (32) 736, 737 varieties, (26) 39, 232, 233, 331, 629, 632, 733, 828,	Oceanodroma leucorhoa subspp., notes (38) 556.
835; (27) 32, 137, 138, 234, 334, 337, 530, 531, 532,	Oceanographical research, new instruments for,
637, 638, 735, 736, 834; (28) 431, 532, 531, 636, 735,	(37) 513, 807.
827; (29) 31, 36, 137, 138, 222, 225, 223, 425, 428, 530, 735, 736, 738, 831; (30) 33, 131, 135, 229, 235,	Ocellaria vanillae, description, (27) 450. Ochoco irrigation p. oject, (35) 385.
434, 435, 527, 829; (31) 226, 430, 434, 435, 527,	Othre as priming for paint, (33) 90.
529, 530, 631, 730, 731, 827, (33) 32, 33, 31, 330,	Ochroma— Ligopus, microscopical structure, (35) 241.
631, 829, 832; (32) 36, 37, 224, 333, 431, 527, 528, 529, 530, 631, 730, 731, 827, (34) 32, 333, 431, 527, 528, 529, 530, 631, 730, 731, 827, (34) 32, 33, 34, 330, 431, 637, 632, 633, 723, 828, 831; (34) 138, 227, 228, 229, 629, 631, 733, 735; (35) 31, 32, 33, 34, 330, 32, 33, 828, 838, 838, 838, 838, 838,	synopsis and new species, (40) 542.
229, 336, 526, 528, 637, 826; (36) 32, 33, 34, 36,	Ochsena, analyses, (27) 767. Ochthiphilinae, synopsis, (29) 657: (30) 254.
132, 133, 336, 435, 437, 529, 634, 735, 828, 830;	Ocinara lewinae, injurious to horses, (26) 456.
(37) 29, 30, 32, 33, 132, 134, 135, 227, 228, 229, 329, 330, 332, 436, 433, 530, 537, 635, 640, 641,	Ocnerostoma piniariella, notes (34) 855. Octacetylgentiobiose, notes, (31) 310.
731, 823; (38) 30, 32, 131, 135, 229, 234, 240, 333,	Octolasium cyaneum, carbon dioxid exhalation of,
432, 433, 632, 634, 636, 740, 830, 832. varietics—	(26) 619. Octotoma plicatula. notes (27) 347.
classification, (36) 833	Ocular infections, dichloramin-T for, (39) 185.
for Alaska, (39) 124, 125, 126. California, (26) 233.	Ocymum basilicum, oil of, (36) 803.
Montana dry lands. (35) 735.	Ocypteromima n.g. and n.sp., description, (37) 359. Odina wodier, gums of, (31) 409.
moor culture, (39) 438. New South Wales, (27) 338; (38) 528.	Odonaspis ruthae n.sp., description, (34) 357.
the Dakotas and Montana, (38) 230.	Odonata— biology, (39) 558.
IItah dry lands (38) 230	of southern Minnesota, (32) 753
identification, (40) 238. in Argentina, (40) 630.	review of investigations, (31) 452. Odontia—
	sacchari and O. saccharicola n.spp., descrip-
resistant to fungi, (31) 50. resistant to rust, (26) 447; (30) 230; (38) 849.	tions, (38) 649. saccharicola, notes (10) 848.
resistant to smill. (32) 49.	saccharicola, studies, (38) 851.
variety tests, (39) 127, 128, 129, 130, 136, 227, 228, 333, 334, 336, 337, 435, 436, 437, 634, 639	spp. on sugar cane, (40) 157. Odontobracon oemeovorus n.sp., description, (38)
variety tests, (39) 127, 128, 129, 130, 136, 227, 228, 333, 334, 336, 337, 435, 436, 437, 634, 639, 735, 737, 738, 835, (40) 32, 138, 228, 233, 328, 332, 431, 624, 728, 729, 730, 731, 732, 733, 735.	165.
332, 431, 624, 728, 729, 730, 731, 732, 733, 735. variety tests—	Odontoglossum crispum, culture, (34) 741. Odontomerus strangaliae n.sp., description, (38)
experimental error, (39) 830.	164.
rod-row method, (40) 233. technique, (40) 227.	Odontopharynx longicaudata n.g. and n.sp., notes,
vitality as affected by age, (27) 334.	(29) 380. Odontria—
volume weight and grain characteristics, (37)	puncticollis, n.sp., description, (31) 159. spp., notes, (30) 554.
643. water requirements, (26) 129; (29) 826; (32) 127,	zealandica, notes, (28) 757.
water requirements, (26) 129; (29) 826; (32) 127, 335, 813; (34) 720; (35) 633; (38) 227; (40) 630. water requirements in India, (27) 429.	Odynerus chevrieranus, parasitic on Cochylis am-
weed seeds in, (26) 135.	biguella, (27) 263. Oecanthus—see also Tree crickets.
weight as affected by fertilizers, (31) 136.	spp., notes, (29) 354.
wild— analyses, (32) 169.	spp., studies, (31) 649; (33) 653. Oeceticus—
and cultivated, intermediate form, (28) 636. and false wild, notes, (27) 641. eradication, (30) 531; (38) 38; (39) 744; (40)	omnivorus, notes, (38) 257. platensis, control by parasites, (40) 855. platensis, notes, (27) 559. platensis, remedles, (38) 658.
eradication, (30) 531; (38) 38; (39) 744; (40)	platensis, notes, (27) 559.
630.	platensis, remedies, (38) 658.
geographical distribution, (26) 334. germination studies, (31) 235, 624.	Oecodoma cephalotes, studies, (31) 656. Oecophora sulphurella, notes, (27) 552.
germinative qualities, (29) 135.	Oecophyllembius neglectus, enemies of, (28) 560.
percentage of kernels, (40) 731. studies. (29) 337. 538.	Oedaleus nigrofasciatus, destruction by Coccoba- cillus aeridiorum, (33) 154
studies, (29) 337, 538. wilting coefficient, (32) 335.	Oedanometer, description, (35) 28.
winter, northern limits in United States, (37) 533.	Oedemagena— tarandi, notes, (30) 457.
Worthy, in Michigan, (39) 335.	terraenovae n.sp., description, (30) 457.
yield as affected by— dynamiting, (32) 430.	Oedionychis sexamaculata, notes, (37) 255. Oedipoda nebrascensis, see Dissosteira longipen-
ground water levels and soil aeration, (27)	nis.
20. pasturing, (30) 633.	Oedipodinae, egg-laying habits, (39) 656. Oedocephalum (Botrytis) anthophilum n.sp.,
physical properties of soils, (33) 815.	description, (36) 748.
rainfall, (34) 319. sulphur, (34) 726; (35) 529.	Oemethylus triangularis, notes, (26) 657. Oenophthira pilleriana—
water table, (29) 421.	notes, (27) 57; (34) 63.
weight of seed, (35) 335.	parasites of, (35) 659. Oenothera—
of light and heavy seeds, (27) 138.	 absence of apogamy in, (30) 631.
of plump v. shrunken seed, (27) 734. on alfalfa stubble, (33) 828.	as affected by climate, (28) 733. biennial habit, constancy, (29) 424.
tests, experimental error, (39) 830.	biennis-
tests, experimental error, (39) 830. Vields, (27) 734; (28) 533; (29) 32, 138; (34) 228; (40) 735.	fasciation in, (39) 330.
yields in Australia, (38) 133.	mutation coefficient of, (33) 129. parallel mutations in, (28) 39; (32) 131.
yields in Chester Co., Pennsylvania, (39) 631.	stomatal movement in, (26) 627.

```
Ohio—Continued.
Station—Continued.
report, (31) 98; (32) 796; (34) 494; (36) 195; (38) 197; (40) 198.
report of director, (20) 299; (20) 793.
Valley flood of March-April, 1913, (30) 18.
Oidionycosis in cuttle, (38) 179; (40) 88.
Oidiopsis taurien, conidiophores of, (27) 351.
Ofdium—
 Oenothera-Continued.
                        breeding experiments, (34) 732; (39) 527, 632,
                                825.
                   825.
dimorphic mutants, (37) 131.
embryo sae and fertilization, (40) 521.
factors affecting development, (26) 728.
genetical studies, (32) 326.
germ plasm as affected by chemicals, (39) 30.
gigantism and tetraploidy in, (29) 321.
gigas, origin, (28) 40.
grandiflora of herbarium of Lanuarck, (32) 822.
hybrid contamination in, (32) 521.
hybridization experiments, (38) 28, 331.
hybrids, twarfs in, (35) 330.
hybrids, segregation of characters in, (30) 730.
hybrids, studies, (32) 628.
inheritance of characters in, (34) 823.
lamarckiana—
                                                                                                                                                                                                                                                                                                                  Oldium-
                                                                                                                                                                                                                                                                                                                                     lium—
agatidis n.sp., description, (30) 51.
alphitoides, notes, (27) 351.
begoniae n.sp., description, (27) 848.
cariene, notes, (28) 243.
citri, notes, (38) 849.
ericinum, notes, (27) 649; (29) 49.
euonymi japonici, treatment, (37) 240.
farinosum, notes, (23) 447.
farinosum, notes, (28) 447.
farinosum, parasite of, (31) 544.
loctis—
                        lamarekiana-
                     lamarckiana—
as nuclear chimera, (39) 226.
origin, (29) 135; (31) 523.
senifginas, notes, (28) 40.
variability of, (28) 430.
mass mutations and twin hybrids, (40) 132.
mucilage of, (40) 819.
mutants with diminutive chromosomes, (37)
                                                                                                                                                                                                                                                                                                                                         lactis
                                                                                                                                                                                                                                                                                                                                                              action on phenylaminoacetic acid, (33) 503, as affecting butter, (39) 785. assimilation of atmospheric nitrogen by,
                                                                                                                                                                                                                                                                                                                                                                           (30) 629.
                                                                                                                                                                                                                                                                                                                                                                 assimilation of nitrogen by, (28) 35.
                                                                                                                                                                                                                                                                                                                                                             assimilation of nitrogen by, (28) 35. biology, (40) 518. growth in different media, (28) 824. growth in presence of salt, (32) 176. isolation from cheese, (26) 479. itinerary in butter manufacture, (39) 78. notes, (26) 881. grotein synthesis by, (27) 525. solani n.var., description, (32) 644. varieties of, (28) 276.
                      mutation in, (31) 35; (32) 426; (33) 28, 129, 221, 524, 630; (34) 629; (35) 128; (36) 222; (37) 328, 724; (30) 527, 632. mutational characters, relation to cell size, (40)
                                   323.
nanella—
dimorphism in, (27) 30.
notes, (27) 528.
symbiosis with fungi, (27) 751.
negative correlation in, (32) 521.
rubricalyx, origin and behavior, (34) 226.
seeds, germination, (34) 135.
segregation in, (39) 123, 825.
spp. in forest of Fontainebleau, (32) 726.
sterility and delayed germination in, (35) 223.
twin hybrids in, (37) 820.
variation in, (37) 525.
Oesophagodontus robustus, notes, (39) 686.
Oesophagostomum—
biramosum, notes, (27) 289.
columbianum, life history and structure, (29)
476.
                         nanella-
                                                                                                                                                                                                                                                                                                                                        quercinum—
in northern France, (31) 546.
notes, (30) 653, 746.
no chestnut, (38) 455.
resistance of oaks to, (40) 253.
sp., notes, (27) 40.
sp. on carnations, (36) 547.
sp. on Photinin serrulata, (36) 546.
sp. on sweet peas, (32) 446.
tingitanium n.sp., description, (34) 447.
treatment, (26) 345.
                                                                                                                                                                                                                                                                                                                                          quercinum-
                                                                                                                                                                                                                                                                                                                                          tuckeri-
                                                                                                                                                                                                                                                                                                                    tuckeri—
notes, (28) 245; (33) 845; (35) 550.
occurrence in Poland, (26) 845.
studies, (30) 845.
treatment, (28) 851; (34) 748, 841.
use of powdered fungicides against, (30) 651.
Otherwise poeyl, notes, (27) 756.
 476.
columbianum, notes, (27) 182; (37) 779.
spp. in Philippines, (37) 277.
spp., notes, (29) 287;
venulosum, destructive to deer, (26) 653.
Oestridae, notes, (27) 63, 656.
Oestrinae of Africa, (38) 263.
Oestrinae of Brazil, (40) 458.
(testrang acuse.
                                                                                                                                                                                                                                                                                                                                         adulteration, detection, (28) 412.
adulteration, determination, (26) 114.
antisoptics, germicidal power, (40) 882.
avocado, digestibility, (40) 763.
beuring seeds of Philippines, (35) 312.
burning in boiler turnaces, (26) 384.
    Oestrons cycle-
                         in the guinea pig, (40) 467. ovarian factor in, (32) 861.
    Oestrus-
                         effect on milk and butter production, (34) 670. in swine, (40) 663.
                                                                                                                                                                                                                                                                                                                                            cake
                                                                                                                                                                                                                                                                                                                                                                analyses, (30) 67.
export from India, (33) 327.
fertilizing value, (27) 336; (38) 433.
for cows, (29) 577.
meal, methods of anlysis, (29) 311.
meds, analyses, (30) 270.
mold fungi in, (31) 377.
  in swine, (40) 663.
macropi n.sp., notes, (29) 761.
ovis, life history and remedies, (29) 761.
ovis, notes, (26) 781; (27) 182; (20) 856.
Offals, analyses, (26) 869.
Offals, analyses, (26) 869.
Office of Experiment Stations, Office of Farm Management, etc., see United States Department of Agriculture.
Official Dairy Instructors' Association, (35) 799.
Ohio—Chicae of Hawaii, (38) 45.
                                                                                                                                                                                                                                                                                                                                        mold funct in, (31) 377.
cakes—
availability of phosphoric acid in, (26) 428.
Chinese, analyses, (35) 523.
composition and use, (27) 727.
effect on milk, (28) 674.
feeding value, (38) 572.
methods of analysis, (29) 311.
Chinese wood, polymerization, (34) 607.
content of egg yolk, (26) 67.
content of pupilionacous seeds, (27) 716.
crops, variety tests, (39) 433.
determination in foliage, (36) 710.
determination in grains, (29) 507.
drying, from citicien, (39) 609.
effect on fertilizing value of street sweepings, (27) 620.
emulsion, preparation and use, (29) 585; (31) 740; (37) 143.
emulsions, use with line-sulphur, (40) 453, 454,
extraction apparatus, description, (39) 9.
extraction by aspiration, (30) 115.
from alcurone cells of grain, (40) 714.
apple and pear seeds, (40) 511.
                                                                                                                                                                                                                                                                                                                                            eakes-
    Ohio
                        0—
Engineering Society, report, (36) 384.
State Grunge, Columbus, meeting, (26) 1.
State University, notes, (26) 397, 797; (27) 199, 398, 699, 799; (28) 397, 797; (29) 98, 398, 709; (30) 95, 397, 797; (29) 98, 398, 709; (30) 99, 509, 798, (31) 198, 399, 797, 900; (32) 198, 397, 798; (33) 399, 796; (34) 199, 296, 496; (35) 97, 197, 597, 900; (30) 99, 500, 809; (37) 98, 498, 797; (38) 499, 700; (39) 300; (40) 498, 698.
                          Station
                                             tion—
anniversary, (29) 106.
county experiment farm reports, (39) 799.
exhibit at county fairs, (26) 299.
funnacial statement, (26) 299; (29) 793.
monthly bulletin, (39) 94, 299, 598, 799, 899;
(40) 198, 296, 397, 694, 797.
notes, (26) 300, 397, 695, (27) 99, 493, 799;
(28) 797; (29) 98, 196, 398, 700; (30) 95, 798;
(32) 397, 798; (33) 399, 706; (34) 196, 296,
695; (35) 400, 597; (36) 196, 696; (37) 98,
498, 797; (39) 97, 600.
```

Off-Continued	Oile Centinue
oil—Continued. from cactus, (33) 234.	Oils—Continued. carotin in, (39) 713.
Camelia drupifera, (39) 501.	chemical technology of, (29) 413.
cherry pits, (39) 8. dogfish, (32) 424, 722.	chemistry of, (31) 201. color tests, (37) 13.
dogfish liver, analyses, (39) 712.	crude, as preservative for poles, (26) 644.
fruit seeds, (40) 511, 614, 803.	crude, evaporation, (26) 644.
gourd seed, (39) 9.	determination—
hops, chemistry of, (31) 201. loganberries, (39) 412.	in extracts, (27) 499. of sal onification value, (34) 410.
manatee blubber, (40) 862.	of specific gravity, (35) 806.
Mgongo nuts, (40) 803. Para rubber seed, (39) 417.	of unsaronifiable matter in, (33) 17, 506;
raisin, current, and tomato seeds, (40) 803.	(37) 805. edible, analyses. (32) 762.
raisin seed, (39) 615.	edible, analyses, (32) 762. edible, chemistry of, (35) 9.
rice polishings, (39) 109. sunflower seed, (40) 533.	edible, treatise, (26) 258. effect on concrete, (29) 184, 891.
fuel, tests, (28) 486.	effect on mold growth, (26) 206.
globules, clahoration in Iris germanica, (34) 524.	essential—
heavy, as fuel for engines, (30) 188. hydrogenated, digestibility (34) 659. in sandalwoods, (33) 444.	chemistry of, (36) 12. determination, (26) 113; (34) 808.
in sandalwoods, (33) 444.	determination in alcoholic solutions, (26) 99.
industry, statistics, (39) 9. insecticides, effect on citrus fruits, (29) 354.	determination in flavoring extracts, (39) 505
inspectors, charts for, (38) 492.	determination in mustard, (30) 114. determination in spices, etc., (29) 309.
inspectors, charts for, (38) 492. laws in Wyoming, (31) 259. leaf, of Douglas fir, (31) 201.	determination of iodin number, (35) 112.
mustard, metabolism, (39) 668.	formation in relation to light, (33) 726. from limes and lemons, (33) 540.
mustard, skin lesions caused by, (39) 585.	in India, (38) 8.
of black sage, investigations, (33) 202.	methods of analysis, (27) 205.
of cassia, constituents of, (34) 501; (40) 202. of chenopodium—	of Australian Myrtaceae, (36) 710. of eucalypts, (33) 646.
composition, (28) 506.	relation to sap flow, (27) 133. rôle of oxidases in, (28) 129.
effect on circulation and respiration, (34)	rôle of oxidases in, (28) 129.
476. effect on intestinal contractility, (34) 381.	use in preparation of vaccine, (35) 380. ethereal—
studies, (39) 585.	in spruce wood, (29) 504.
of citronella, effect on fruit lifes, (28) 455.	of Dutch East Indies, (30) 697. of Russia, (36) 803.
cloves, determination, (29) 798. cloves, larvicidal value, (34) 359.	examination, (28) 565.
cotton plant, studies, (39) 411. Douglas fir, composition and properties, (27)	fatty—
Douglas fir, composition and properties, (27)	deodorizing. (39) 508.
lavender, detection in ethyl alcohol, (29) 312.	and essential, notes, (35) 9. deodorizing, (39) 508. notes, (37) 109.
lemon, adulteration, (28) 461.	retractive indexes, (27) 614.
rosemary, detection in ethyl alcohol, (29) 312.	fish-liver, nutritive value, (40) 66. for internal combustion engines, (29) 892.
orchard heating, use against wild garlic, (31) 739. palm, notes, (40) 449, 542.	from norsement and allowan seed, (39) 712.
palm of tropical Africa, studies, (31) 143.	from seed, digestibility, (39) 571. glycerids of, (32) 801.
pulm, propagation and yields, (37) 835. pulms, improvement, (28) 736.	hardened, digest of data, (31) 856. hardened or solidified, notes, (28) 616.
paims, insects affecting, (33) 155.	hardened or solidified, notes, (28) 616.
plants, culture experiments, (31) 733. plants of Indo-China. (37) 830; (40) 333.	hardening by hydrogenation, (28) 762. heat of hromination, (34) 803.
pressure method for soil solution, (39) 20.	hydrocarbon, treatise, (30) 313.
rot, studies, (27) 850. seed crops for Rhodesia, (40) 333.	hydrogenated— analytical constants, (32) 416.
seed crops for Rhodesia, (40) 333.	as human food. (32) 660.
seed plant, culture experiments, (39) 229.	properties, (34) 9.
and feating colors treatise (34) 565	properties, (34) 9. hydrogenation, (29) 413, 459; (36) 414. hydrogenation, treatise, (32) 416.
breeding experiments, (38) 526. culture experiments, (38) 526. determining oil content, (40) 508.	illuminating, law in Wyoming, (27) 767. in cookery, (39) 366. insecticidal value, (27) 755.
determining oil content, (40) 508.	in cookery, (38) 366.
from American palms, (36) 803. Indian trade in, (40) 231. new, analyses, (30) 802. of Brazil, (37) 511.	inspection in fowa, (36) 762.
new, analyses, (39) 802.	inspection in Wisconsin, (35) 471.
of Bruzil, (37) 511.	laboratory handbook, (29) 811. law in Oregon, (35) 471.
or pringir (rolucia debendencies, (91) za r	law in Oregon, (35) 471. law in Wyoming, (35) 668. laws in Ohlo, (33) 261.
sprays, preparation and use, (31) 63. tractors for the farm, (29) 893.	laws in Ohio, (33) 261. lubricating, for internal combustion engines,
Oils-see also Futs. Corn oil, Cottonseed oil, etc.	(32) 86
acetyl number, determination, (31) 713.	methods of analysis, (26) 202; (30) 314; (31) 509, 806; (32) 314; (33) 258; (35) 205; (36) 205; (38)
and fats edible (39) 366 411	200. 803
edible, (39) 366, 411. for the diet, (40) 863.	nineral, we Mineral oils. miscible, effect on dormant trees, (29) 354. miscible, effect on trees, (33) 252. mit dinetibility (38) 63.
handbook, (40) 804. methods of analysis, (40) 312.	miscible, effect on dormant trees, (29) 354.
methods of analysis, handbook, (39) 207, 504.	nut, directibility, (38) 867.
of French colonies, saponification, (39) 411.	nut, disestibility, (38) 867. of British tropical dependencies, (31) 234. Coniferae, (33) 18, 203, 409; (34) 607. Dutch East Indies, (30) 697.
of French colonies, saponification, (39) 411. optical dispersion, (40) 113. production and conservation in United	Connerne, (33) 18, 203, 409; (34) 507. Dutch East Indies. (30) 697.
States, (40) 614.	Malyacene, (36) 803.
specific heat, (40) 68.	oxygen absorption by, (29) 613.
technical handbook, (39) 8. Valenta test. (39) 110, 504, 805.	Malvaceae, (36) 803. oxygen absorption by, (29) 613. petroleum, fractionnting apparatus, (39) 414. physical and chemical constants, (36) 502.
Valenta test, (39) 110, 504, 805. animal, effect of free fatty acids on, (34) 312.	physical constituts, (52) and.
attractiveness for fruit flies, (32) 153.	plant, of Russia, (36) 802.

Oils—Continued.	Oleo-Continued.
production in plants, (33) 629. rancia, evaluation, (37) 114.	oil, accessory growth substance in, (38) 265. oil, refractive index, (27) 615.
sampling, (38) 206, 804.	Oleomargarine—see also Margarin.
soluble, insecticidal value, (37) 53. spontaneous combustion, (37) 788.	analyses, (39) 366. color standard, (27) 575
storage changes in, (36) 502.	detection of color in, (35) 278; (36) 16; (39) 416.
sulphonated, methods of analysis, (35) 316.	detection of color in, (35) 278; (36) 16; (39) 416, industry in United States, (35) 278.
sulphune and or Maumene number, (37) 805. technology and malysis, treatise, (31) 507.	hw in Illinois, (29) 61. manufacture, (29) 770.
testing, (37) 13.	manufacture in Canada, (28) 278.
tests, (20) 202, 539. treatise, (30) 310.	sale in Pennsylvania, (32) 763.
use on roads, (35) 288, (37) 190.	treatise, (31) 176. use of fish oil in, (33) 363.
varnish, estimating, (39) 613.	viscosity, (31) 209.
accessory growth substance in, (38) 265.	Oleoresins—see also Resins. chomistry and technology, (39) 8.
and fats, edible, treatise, (28) 511.	of Douglas fir, (37) 411.
bromm absorption by, (29) 612. composition in relation to climate, (37) 418.	of western pines, (28) 512; (31) 744. Oleostearin, refractive index, (27) 615.
hydrogenation, (29) 413.	Olericulture as field for study, (39) 542.
hydrolysis and constitution, (27) 804.	Olesicampa flaviventris, notes, (28) 249.
niolecular weights, (35) 312. of India, (29) 413.	olethreutes— frigidana, notes, (32) 448.
production and consumption in United	(Grapholitha) schistaceana, notes, (34) 758.
States, (40) 614. systematic arrangement, (33) 630.	hebesana, studies, (33) 255. hemidasus, notas (39) 361
viscosity, determination, (39) 716.	heinidesma, notes, (39) 361. oblongana, notes, (35) 463.
Volatile—	variegana, studies, (40) 551, 653.
determination in citrus fruits, (38) 11. determination in liquors, (35) 111, 717.	Oleum lauri as an insectifuge, (26) 755. Oleuropéine, notes, (32) 209.
production from wild plants, (2) 612. treatise, (30) 310, 710. wood preserving, antiseptic tests, (29) 111.	Oleuropéine, notes, (32) 209. Olibrus sp., destruction by white fungus, (26) 454. Oligia fractilinea, see Hudenn fractilinea.
wood preserving antisoptic tosts (20) 111	Oligoclase, decomposition by soil bacteria and yeast,
Oistus edmonstoni n.sp., description, (10) 655.	(31) 121.
Oistus edmonstoni n.sp., description, (10) 655. Oiticica oil, properties, (39) 109. Oka Agriculturul Institute, Quebec, (32) 895.	Oligosita—
Okanagana viridis n.sp., description, (40) 856.	giraulti n.sp., description, (30) 256. giraulti, notes. (30) 251.
Oklahoma	giraulti, notes, (30) 251. oophagus n.sp., description, (36) 259. sanguinea claripes n.sp., description, (34) 556.
395, 900: (31) 300, 696; (32) 93, 397, 497; (33) 99	Oligota oviformis—
College, notes, (27) 609; (28) 698, 798; (29) 196, 308, 900; (31) 300, 696; (32) 53, 397, 407; (38) 99, 700; (34) 97; (35) 197; (36) 797; (37) 399, 797; (38) 98; (39) 300, 400; (40) 98, 498.	notes, (28) 457.
(38) 98; (39) 300, 400; (40) 98, 498.	notes, (28) 457. parasitic on red spider, (32) 157. Oligotrophiariae of New York, (34) 752.
Station, notes, (26) 397, 599; (27) 699; (28) 698;	Oligotropus alopecuri, notes, (37) 463.
Station, financial statement, (27) 299; (28) 695. Station, notes, (23) 397, 599; (27) 609; (28) 698; (29) 398; (31) 300, 696; (32) 95, 397, 497, 798; (33) 99; (34) 226; (36) 797; (37) 309, 797; (38) 98, 600; (39) 300, 400; (40) 98.	Olive—
98, 600; (39) 300, 400; (40) 98.	bacteriosis, treatment, (27) 251. blooms, toxic action of sulphurous anhydrid on,
Station, report, (30) 598; (40) 97, 694.	(33) 447.
Station, report of director, (27) 299; (28) 695. Okra—	by-products, analyses and nutritive values, (28) 265.
breeding experiments, (36) 839; (39) 747. culture experiments, (37) 742.	diseases—
culture in Porto Rico, (36) 341.	and insect pests, (34) 535. manual, (39) 457.
caterpillar, life history, (38) 502. disease, new, studies, (39) 649.	notes, (26) 844.
disease, notes, (30) 149.	studies, (26) 849; (33) 524. treatise, (32) 344.
fertilizer experiments, (37) 742.	treatment, (26) 850.
heredity in (27) 740; (28) 740; (32) 538. insects affecting, (29) 653.	exanthemu or dieback, studies, (32) 238. flower stigmas, dying, notes, (30) 245.
seed, impernicable, viability, (35) 740.	fly, feeding habits, (26) 252,
Verticillium wilt, studies, (33) 214. wilt, description, (26) 844.	fly, notes, (32) 56.
wilt disease, studics, (38) 851. wilt diseases, notes, (31) 343.	fly, remedies, (26) 252; (27) 58; (30) 254, 757;
Wilt diseases, notes, (31) 343.	13, normalites of, (28) 560; (33) 658. 11y, ternedios, (26) 252; (27) 58; (30) 254, 757; (31) 737; (35) 57. forests in Punjab, (34) 535. fruit fly, danger of introduction, (39) 467.
Oleaginous fruits, formation of fats in, (26) 801; (29) 201.	fruit ilv. danger of introduction. (39) 467.
Oleander-	nusks, detection in popper, (20) 805.
bacteriosis, notes, (30) 751; (36) 153. canker, description, (37) 252.	industry in Corfu, (26) 138. industry in Italy, (31) 142.
canker, description and treatment, (29) 156.	industry in Spain in 1915, (35) 744.
poisoning in noises, (34) 780. scale, notes, (28) 851; (29) 654; (32) 56	knot disease, dissemination, (27) 652. knot, studies, (28) 54; (34) 241.
poisoning in horses, (34) 780. scale, notes, (28) 851; (29) 654; (32) 56. scale on olive, (34) 157.	oil
Oleanders— crown gall affecting, (28) 447.	adulteration, (31) 505.
destruction by bl ck scale, (26) 555.	analyses, (32) 762. bleaching and decolorization, (29) 118.
sap, bark, and so ds of, (28) 202. Oleaster, Russian, notes, (29) 441.	detection, (27) 207; (29) 613.
Oleute, prollavin, in wound treatment. (40) 882.	detection of rape on in, (39) 804.
Oleic acid —	detection, (27) 207; (29) 613. detection of rape oil in, (39) 804. digestibility, (36) 860. examination, (20) 564.
and cottonseed oil, hydrogenation of, (34) 10. oxidation in sunlight, (32) 762.	(32) 142
relation between lodin value and structure.	homogenized, for infants, (34) 258.
(28) 806. separation from fatty acids, (26) 112.	homogonized, for infants, (34) 258. humification, (38) 26. index of refraction, (37) 508.
Ulein content of egg yolk, (26) 67.	industry in Algiers, (27) 313.
Oleo-decision of New York Supreme Court, (28)	industry in Algiers, (27) 313. industry in Spain in 1915, (35) 744. industry statistics (20)
277.	industry, statistics, (39) 9. ingestion, effect on metabolism, (28) 867.

Olive-Continued.	Omorgus—
oil—continued. manufacture, (27) 438.	n.spp., descriptions, (34) 363.
physical constants, (35) 312.	sp., notes, (28) 160. Omphalchrysechuis petiolatus n.sp., description,
oil, production—	(59) 870
and use, (37) 511.	Omphale metallicus, notes, (30) 856.
ın Spain, (27) 341; (29) 439; (31) 238; (33)	Omphalia flavida n.sp., notes, (30) 652.
539.	Omphaloccia dentosa, notes, (26) 855; (30) 655.
in Tunis, (31) 339.	Onagraceae—
in United States, (40) 611.	hybrid contamination in, (32) 521.
rancidity, (32) 762.	Interspecies crossing in, (35) 228. Onchocerca—
rancidity, (32) 762. refractive index, (27) 615. residue as source of potash, (40) 422.	bovis in Madagascan cattle, (28) 182.
residue as source of potash, (40) 422.	bovis, notes, (27) 83.
residue, fertilizing value, (40) 28. rôle in glycogen formation, (31) 763. stability, (39) 471. standards for, (26) 564.	gibsoni—
rôle in glycogen formation, (31) 763.	control, (39) 862.
stability, (39) 471.	notes, (28) 680; (31) 182; (33) 154; (34) 581,
standards for, (20) 504.	582.
poeto apopulo di uno (22) 200	parasitic in sneep, (27) 475.
toxicity, (30) 479. paste, manufacture, (32) 209. pomace for pigs (34) 74. pomace, utilization, (36) 809.	parasitic in sheep, (27) 475. studies, (26) 183; (32) 376, 377; (38) 82. transmission, (37) 181.
pomace, utilization, (36) 809.	larvae, migration through capsule of worm
scale, black, in Chile, (40) 651.	larvae, migration through capsule of worm nodule, (34) 576.
scale, parasite of, (26) 655.	spp., studies, (31) 582.
seed, germination of, (32) 235. seedlings as affected by metallic salts, (26) 825.	Onchocerciasis—
seedlings as affected by metallic saits, (26) 825.	bovine, effology, (27) 785.
seedlings, growing and grafting, (35) 239. sooty mold, remedies, (36) 754.	bovine, in Argentina, (38) 183.
thrips, endophagus parasite of, (26) 553.	bovine, in South America (37) 80.
weevil, nematode parasite of, (32) 453.	in cattle, (34) 581, 5.2; (36) 883; (39) 589. in imported meat, (27) 83.
Olives—	Oncideres—
and oaks growing in close proximity, (35) 654.	cingulatus, notes, (27) 458; (37) 660; (38) 762.
as affected by cold storage, (29) 340.	cingulatus on pecan, (38) 157; (39) 557.
bitter principles, (32) 209.	pulator, studies, (33) 63.
botanical studies and varieties, (39) 243.	texana, life history, (35) 661.
chemistry of, (26) 801. crown gall affecting, (28) 447.	Oncopsis sobrius, notes, (40) 57.
crown gall allecting, (25) 447.	Oncothrips tepperi n.g. and n.sp., description, (26)
culture, (27) 438; (29) 426; (32) 142; (34) 535. culture—	60. Onion—
in Austria, (32) 838.	anthracnose, studies, (37) 841; (39) 754.
in Austria, (32) 838. California, (28) 839.	bacterial rot and damping off. (37) 452.
Crimea, (37) 144.	bacterial rot, notes, (40) 155.
appring of Transpi (25) 440	bacterial rot, notes, (40) 155. black mold, notes, (37) 349.
southern Texas, (32) 539. Spain, (27) 344; (29) 439; (31) 238; (33) 639; (37) 545; (39) 142, 447. Tunis, (31) 339, 534. (35) 545; (36) 545.	bulb scales, permeability, (39) 223.
Spain, (27) 344; (29) 439; (31) 238; (33)	bulbs, transportation regulations, (30) 346.
038; (31) 040; (38) 142; 441.	couch, notes, (27) 35; (32) 121. diseases in Ohio, (40) 747. diseases, notes, (30) 647; (31) 747; (38) 648.
destruction by black scale, (26) 555.	discuses notes (30) 647: (31) 747: (38) 648.
destruction by termites, (28) 563.	diseases, studies, (38) 249.
fertilizers for. (36) 538.	diseases, treatment, (39) 52.
floral biology, (28) 743.	files, notes, (29) 454. fiy, barred-winged, notes, (34) 360. fiy, lunate, in Now Jersoy, (40) 654. fiy, lunate, notes, (28) 158.
floral biology and pathology of, (33) 524. food plant of purple scale, (26) 756.	fly, barred-winged, notes, (34) 360.
food plant of purple scale, (26) 756.	ny, lunate, in New Jersey, (40) 654.
freeze injury, notes, (39) 843. graft hybrids, (39) 447.	ny, lunate, notes, (28) 158.
gratt hybrids, (39) 447.	Fusarium rot, notes, (36) 47. industry in Barbados, (28) 828.
immature, labeling, (36) 139. improvement, (28) 786. insects affecting, (27) 55, 357, 857; (30) 454; (34) 535; (35) 254; (38) 157; (40) 854. nowly planted, sun scald of, (35) 538.	industry in California, (39) 345.
insects affecting, (27) 55, 357, 857; (30) 454; (34)	magant-
535; (35) 254; (38) 157; (40) 854.	imported, biology, (33) 746. imported, notes, (29) 454; (36) 657; (40) 648. life history and remedies, (33) 357; (34) 360. notes, (26) 855; (27) 53; (31) 350; (34) 252. remedies, (30) 160; (31) 757, 848; (33) 351;
newly planted, sun scald of, (35) 538.	imported, notes, (29) 454; (36) 657; (40) 648.
microgen natified of, (50) 555.	life history and remedies, (33) 357; (34) 360.
oil content, (37) 43.	100005, (20) 850; (27) 55; (31) 550; (34) 252.
on content, (31) 45. parthenogenesis in (27) 241. pickled, sizing, (32) 209. pickling, (32) 142; (38) 617. preservation, (26) 117. preservation by lactic-acid fermentation, (29)	(38) 155, 863.
pickling, (32) 142; (38) 617.	mildow notes (27) 240
preservation, (26) 117.	mildow, studies, (37) 553. neck rot, control, (39) 754. neck rot, studies, (35) 547; (38) 450. pink root, notes, (37) 841; (40) 643. scab, notes, (31) 539.
preservation by lactic-acid fermentation, (29)	neck rot, control, (39) 754.
111,	neck rot, studies, (35) 547; (38) 450.
propagation, (33) 540. pruning in Italy, (27) 644.	pink root, notes, (37) 841; (40) 643.
pruning in Italy, (27) 644.	scab, notes, (31) 539.
Sizing, (34) 740.	seed, germination tests, (20) 44.
sizing, (34) 740. softening, (32) 209. varietial standardization, (36) 537. varietics, classification, (27) 145.	seed, production, (27) 438; (33) 226, seed, vitality, (36) 39.
variatics, classification, (27) 145.	seedlings, damping off disease of, (35) 44.
Olivine, decomposition by soil bacteria and yeast,	smut—
(31) 121.	description and treatment, (27) 445; (29)
Olla abdominalis, notes, (31) 754.	245.
Olona as fiber plant, (40) 529.	notes, (36) 349.
Olor columbianus on the Potomac, (40) 161.	prevention, (26) 299.
Olpidium—	studies, (33) 344. treatment, (31) 840; (32) 342; (33) 245.
brassicae, notes, (37) 455. viciae n.sp., description, (28) 649.	spot disease, treatment, (29) 245.
Olpitrichum carpophilum, notes, (28) 648.	thrips—
Omiodes—	control, (40) 548.
accepta, notes, (28) 758.	description and remadies (20) 453
blackburni in Hawaii, (34) 59.	internal parasite of, (26) 858.
monogona, notes, (27) 155.	notes, (27) 53; (29) 252, 558; (30) 753; (31)
Omiscus murarios, notes, (38) 558.	internal parasite of, (20) 898. notes, (27) 53; (29) 252, 568; (30) 753; (31) 350; (32) 755; (34) 360, 652; (38) 556. on leeks, (32) 553.
Ommatothrips n.g. and n.spp., descriptions, (34) 61. Omorga frumentaria, parasitic on fig moth, (26) 243.	remedies. (30) 654.

nions	Oospora-
Onions— alkali tolerance, (40) 719.	casei n.sp., notes, (28) 276.
as affected by preceding crop, (40) 623.	citri-aurantii, notes, (37) 843.
ash analyses, (29) 861.	lavorum, notes, (28) 502.
hacterial disease affecting, (26) 816.	lactis, see Oldium lactis. oryzetorum n.sp., notes, (37) 148
eulture experiments, (29) 235.	piricola n.sp., description, (37) 250
culture in south Texas, (31) 437.	scadies, see Potato scad.
seed production, (38) 311.	Ootetrastichus in Hawaii, (40) 854.
breeding experiments, (37) 240; (39) 542.	Opatrum—
carbon bisulphid for, (40) 619. catalytic fertilizers for, (27) 629.	aequale, notes, (31) 757. crenatum, notes, (29) 858.
composition as affected by—	depressum, studies, (40) 854.
composition as affected by— irrigation, (28) 333. sodium salts, (29) 419.	sp., notes, (29) 853.
sodium saits, (29) 419.	Operative technique, discussion, (26) 373. Ophiderma spp. in United States, (38) 764.
cost of growing and marketing, (36) 192. critical period of growing season, (39) 811.	Ophidia, wounds and diseases, (40) 55.
eulture, (26) 393; (27) 39; (31) 740, 836; (34) 41;	Ophiobolus—
(36) 640; (40) 833.	graminis, notes, (27) 747, 748; (28) 646; (30) 148, 748; (32) 642; (34) 845; (37) 248; (38) 48, 648.
culture—	748; (32) 612; (34) 845; (37) 248; (38) 48, 648.
experiments, (29) 137; (32) 132, 140; (33) 43; (35) 341, 643; (37) 646, 742.	graminis, treatment, (35) 750. herpotrichus—
in Antigua, (36) 735.	conidial form, (32) 843.
in Antigua, (36) 735. Burma, (29) 736.	conidial form, (32) 843. notes, (28) 52, 445; (29) 244; (30) 541; (37) 248.
Connecticut Valley, (36) 840.	studies, (31) 542.
India, (32) 131. on muck lands, (31) 533.	oryzinus n.sp., notes, (37) 148. sp., notes, (31) 147.
treatise, (33) 837.	spp., notes, (29) 243; (30) 349, 648.
under irrigation, (28) 839.	Ophiochaeta (Ophiobolus) graminis n.comb., notes,
effect on following erop, (38) 337; (40) 623.	(38) 648.
electrical stimulation, (40) 428.	Ophionectria— coccicola, notes, (28) 453; (29) 852; (30) 455.
fertilizer experiments, (26) 31; (28) 520; (30) 525; (32) 635; (33) 43; (34) 532; (35) 338, 643; (36) 137; (37) 215, 742; (38) 218, 540.	coccicola on purple scale. (38) 157.
(37) 215, 742; (38) 218, 540.	coccicola on purple scale, (38) 157. tetraspora n.sp., notes, (30) 455. Ophioninae, generic corrections, (34) 362.
ierthizer requirements, (26) 818.	Ophioninae, generic corrections, (34) 362.
food value, (36) 863.	Ophionini, revision, (27) 662. Ophthalmia nodosa, notes, (27) 861. Ophthalmia, periodic, (39) 283.
forcing by electricity, (26) 136. growth as affected by sulphur, (29) 215.	Ophthalmia, periodic, (39) 283.
growth on acid soil, (40) 324.	Ophthalmic mattern eye dropper, description, (32)
growth as affected by sulphur, (29) 215. growth on acid soil, (40) 324. growth on partially sterilized soils, (35) 515. insects affecting, (29) 453; (34) 360; (36) 152. insects affecting in Antigua, (39) 556.	580.
insects affecting, (29) 453; (34) 300; (30) 152.	Ophthalmo reaction, diagnostic value, (26) 283; (28) 880; (29) 586.
irrigation, (31) 782.	Ophthalmology—
irrigation experiments, (28) 131, 134, 135; (29)	for veterinarians, (31) 376.
638.	for veterinarians, treatise, (29) 377.
liming experiments, (31) 820; (40) 134. mulching v. clean culture, (33) 534.	textbook, (27) 284. Ophyra—
nematodes affecting, (30) 448.	leucostoma, "critical" point for, (36) 256.
nematodes affecting, (30) 448. radioactive fertilizers for, (35) 628.	nigra, notes, (38) 466.
respiratory netivity in sunlight, (34) 30.	Opiinne, North American, revision, (34) 454. Opisthorchis felinus, infection of pigs with, (38) 82.
ridge v. level culture, (33) 535. storage, (34) 637; (39) 770.	Opium—
sugar content as affected by drying, (29) 419.	poppy blight, studies, (38) 547.
value in the diet, (29) 564.	production in Spain, (36) 743.
varieties, (30) 525; (31) 835; (33) 735; (34) 232; (35) 643; (36) 137, 237; (37) 646.	Opius— anostrephae u.sn., description, (30) 256
variety tests, (40) 44.	anastrephae n.sp., description, (30) 256. anthonyine, notes, (28) 752.
wild, eradication, (27) 613; (31) 739.	(Biosteres) sp., parasitic on bud moth, (31) 250.
wild, stock poisoning by, (40) 577.	enthyrrhini n.sp., description, (28) 162.
Oniscus usellus, notes, (31) 758.	fletcheri, introduction into Hawaii, (27) 162. humilis—
Onobrychis sativa, culture in Hawaii, (32) 730. Ononis ppp., analyses, (33) 466.	in Hawaii, (32) 757.
Onophilus n.g., description, (40) 61.	notes, (34) 556.
Ontario-	parasitic on fruit fly, (37) 856. studies, (38) 659, 767; (40) 459. n.spp., descriptions, (29) 359; (34) 454; (38) 165.
Agricultural College and Experimental Farm, notes, (32) 392.	n sun descriptions (20) 359: (31) 454: (38) 165.
Corn Growers' Association, report, (30) 37.	spp., parasitie on fruit flies, (31) 456.
department of agriculture, fruit branch, report,	tryoni n.sp., description, (28) 162.
(27) 30.	tryoni, notes, (26) 150.
Good Roads Association, proceedings, (29) 291. Onychothrips, new genus, description, (26) 60.	(Utetes) anastrephae n.sp., notes, (29) 652. Opossum—
Octonus quadricarinatus n.sp., description, (36)	dissemination of anthrax by, (28) 678.
259.	new, from Panama, (37) 757.
Occytase, isolation, (26) 877.	Opostega and its larval affinities, (10) 757.
Occytase, nonenzymatic character, (28) 876. Occytin, studies, (39) 502.	Opsine, growth of bacteria in, (39) 888. Opsonic—
Ocencyrtus—	index, determination, (26) 85, 180.
chrysopoe n.sp., description, (31) 554.	technique, sources of error in, (28) 675.
clisocampue, notes, (36) 550.	Opsonins—
pacificus n.sp., notes, (35) 464.	and tropins, bacterial, notes, (32) 78. determination in horse serum, (27) 182.
sp., notes, (20) 658.	notes, (26) 676; (27) 882.
pyrillac, n.sp., description, (36) 556. sp., notes, (29) 658. sp., parasitic on tent caterpillar, (37) 667.	of normal serums, (33) 178.
Oolitic deposits of Department of Yonne, (26) 519. Oomycetes, spore germination and infection in, (26)	optical— atmospheric disturbance of 1912-13, (31) 615.
342.	methods for identification of organic com-
Oophorectomy, paper on, (29) 500.	methods for identification of organic com- pounds, (39) 415, 506. Opuntia—see also Cucti and Echinocactus.
Oophthora semblidis—	Opuntia—see also Cucti and Echinocactus.
artificial breeding, (30) 756.	arbuscula, root habits, (26) 728. blakeana and Cissus laciniata, structural rela-
biology, (31) 62. notes, (26) 557.	tionship, (28) 332.

Opuntia—Continued.	Oranges-Continued
coccinellifera, culture experiments, (30) 632.	and pomelos, hydrid between, (33) 441.
discata, density of cell sap, (32) 34.	as affected by factory smoke, (27) 831.
floccosa, description, (37) 434.	asexual reproduction of seeds, (31) 533,
fruits, personation and multiplication of, (34)	blood, dry strain, (39) 142.
430,	blood, dry strain, (39) 142. blood, in Caltagirone, (33) 540.
monacantha, destruction by Coccus, (39) 559.	Dright V. riisset fruit of (34) 535
mucilage of, (40) 819. parasitic on Carnegiea, (39) 148.	bud selection, (40) 151. bud variation, (39) 142, 447, 448. cause of rotting in, (33) 150.
parvula as host of mistletoe, (29) 352.	bud variation, (39) 142, 447, 448.
rate and course of growth, (40) 30.	changes in during riponing (90) 641
root growth in relation to oxygen, (40) 30.	changes in during ripening, (29) 641. China, seeds of, (32) 613.
sp., carbohydrate content, (39) 224.	composition as affected by fertilizers, (37) 649.
spp. as ornamentals, (40) 640.	cost of production in California, (26) 541.
spp., behavior under cultural conditions, (30)	crown gall affecting, (28) 447.
336.	crown gall affecting, (28) 447. culture, (27) 438; (29) 745; (36) 538.
spp., descriptions, (33) 231. spp., diseases affecting, (26) 551. spp., insects affecting, (27) 357. spp., root systems, (30) 827.	culture—
spp., diseases affecting, (26) 551.	experiments, (40) 339.
Spp., insects affecting, (27) 357.	in Alabama, (39) 143.
spp., 100t Systems, (50) 521.	in Montevideo, (30) 533.
spp., wound periderm in, (40) 728.	in southern Texas, (32) 539.
stems, autonomic movements, (32) 429. transpiring power, (35) 733.	treatise, (37) 835.
water absorption and evaporation, (40) 27.	decay in transit, (32) 745. descriptions (27) 745.
Orach, insect and arachnid enemies of, (29) 853.	effect of adjacent leaf area, (39) 541.
Orange—	effect on composition of urine, (31) 761.
black rot, notes, (29) 248; (40) 839.	enemies of, (28) 352.
black rot, notes, (29) 248; (40) 839. black spot and brown spot, treatment, (37) 352.	factors affecting maturity, (36) 139.
black spot, notes, (34) 644.	fertilizer experiments, (27) 320; (32) 233; (36)
blossom-end rot, cause, (35) 749.	_642, 841.
blossom-end rot, cause, (35) 749. brown spot, notes, (28) 639. chlorosis, notes, (28) 153.	Florida, composition, (29) 462.
CHIOFOSIS, HOLES, (28) 153.	food plant of purple scale, (26) 756. formation of so-called navel in, (28) 524.
die-back, studies, (33) 55.	formation of so-called navel in, (28) 524.
die-back, treatment, (31) 749. diseases, notes, (26) 138; (39) 152, 253.	frost protection, (37) 649.
eruptive disease or "exanthema", notes, (27)	frosted, detection and elimination, (40) 446. frosted, separation, (27) 146. frozen, changes in, (40) 539.
850.	frozen, changes in. (40) 539
extract, methods of analysis, (35) 417.	frozen, composition, (34) 365, 502.
fruit scab, notes, (31) 539.	fruit resembling, on lemon, (40) 151.
groves, Argentine ant in, (39) 156.	fruiting thorn, (40) 151.
groves, Argentine ant in, (39) 156. gummosis, cause, (27) 350.	frozen, changes in, (40) 539, frozen, composition, (34) 365, 502. fruit resembling, on lemon, (40) 151. fruiting thorn, (40) 151. gratting experiments, (32) 233. growth in relation to soil moisture, (38) 541. host plant of fruit fly, (26) 758. hybridization, (31) 48. improvement by bud selection, (35) 647. insects affecting, (20) 138; (27) 438, 453; (39) 557. irrigation, (38) 541.
gummosis, notes and treatment, (28) 651; (29)	growth in relation to soil moisture, (38) 541.
351.	host plant of fruit lly, (26) 758.
juice, antiscornutic activity, (40) 272.	nypridization, (31) 48.
juice, antiscorbutic activity, (40) 272. juice, osmotic pressure, (28) 262. juice, preparation, (33) 316; (37) 313. leaf blotch, notes, (31) 539. leaves as affected by cement dust, (35) 313. maggot, notes, (26) 860; (29) 759. mai di comma studies, (33) 550	incore effecting (96) 199: (97) 499 452: (90) 557
loof blotch notes (21) 520	irrigation, (38) 541.
leaves as affected by cement dust. (35) 313.	irrigation experiments, (36) 841.
maggot, notes, (26) 860; (29) 759.	jelly from. (34) 207.
mal di gomma, studies, (33) 550.	jelly from, (34) 207. June drop, (37) 154. katydids affecting, (33) 451.
melanose, investigations, (29) 242.	katydids affecting, (33) 451.
moths, notes, (30) 252.	manuring, Banian method, (38) 845; (40) 246.
mottle-leaf, cause, (27) 251.	marketing, (27) 539.
mottle-leaf, prevention, (36) 841. oil, manufacture, (36) 207. oil, production, (36) 416.	maturity and wholesomeness, (36) 561.
oil, manufacture, (30) 207.	maturity in, (34) 235.
on, production, (30) 410.	maturity standards, (37) 345, 649. mulching experiments, (38) 814.
papilio and its natural enemy, (40) 62.	navel—
peel as an antiscorbutic, (40) 70. peel, pectins of, (29) 608.	analyses, (36) 743.
pest, new. (40) 169.	bud mutations in, (34) 43.
pest, new, (40) 169. root rot in Tripoli, (40) 851.	bud variations in, (36) 141.
rot, studies, (29) 248.	culture in Brazil, (36) 241.
scah, notes, (30) 47.	history and culture, (36) 743.
scale-	improvement by bud selection and top
fumigation, (39) 463.	improvement by bud selection and top working, (34) 639. June drop, (37) 834; (38) 757. origin and development, (34) 43.
notes, (28) 158.	origin and development. (34) 43
on olive, (38) 157. studies, (26) 553.	pruning, (36) 141.
scaly bark, treatment, (34) 240.	relation of washing to decay in, (33) 737. seedlessness, (39) 243. splits of, (26) 138. variation in, (27) 841. nematodes affecting, (34) 354. new, description, (31) 337. of Florida, composition, (30) 740.
seed, China, agglutinating properties, (31) 774.	seedlessness. (39) 243.
seeds, oil from, (38) 111.	splits of, (26) 138.
seeds, oil from, (38) 111. skins, analyses, (38) 626.	variation in, (27) 841.
stocks, distinguishing, (28) 145.	nematodes affecting, (34) 354.
thrins-	new, description, (31) 337.
notes, (28) 853. on olive, (38) 157.	of Florida, composition, (30) 740.
on olive, (38) 157.	oil and press cake from seeds, (40) 803.
	Parts Picer, handling (29) 745
Studies, (38) 763.	precoding and handling, (32) 234.
tortricid, cork-colored, notes, (26) 150.	protection against frost. (27) 115, 145.
Tortrix causing decay, (39) 159. tree rot, notes, (31) 646.	packing experiments, (29) 637. Porto Rican, handling, (32) 745. precoding and handling, (32) 234. protection against trost, (27) 115, 145. pruning experiments, (38) 43.
vinegar and wine, manufacture, (30) 814.	Satsuma—
vinegar, manufacture, (40) 715.	culture, (26) 138; (39) 244.
wintertip, description, (30) 746.	culture experiments, (28) 236.
wintertip, notes, (31) 241.	freeze injury, (39) 143.
Oranges-	navel variety, (40) 246.
acidity, (33) 441. acidity in relation to maturity, (34) 235.	varieties, (40) 342. scale insects affecting, (27) 455.
acidity in relation to maturity, (34) 235.	scale insects affecting, (27) 455.
African cherry, studies, (30) 643.	shipping experiments, (30) 841.
and lemons, hybrid between, (33) 441.	sorting device for, (28) 641.

Oranges—Continued.	Orchard—Continued.
spotting, (35) 50.	planting, explosive-fertilizer shell for, (40) 444
spraying, cost data, (36) 55. stocks for, (33) 736.	products, feeding value, (38) 168. soils, dynamite for, (33) 239.
sugar and acid content, (29) 641.	soils, nitrates in. (36) 724.
thornless strains, (40) 151. total solids and acidity of, (31) 661.	survey in New York, Ontario County, (26) 540 survey in Utah, (33) 638. survey in West Virginia, (33) 140, 839. surveys in Ontario, (27) 39; (29) 41.
Valencia, (39) 418.	survey in West Virginia, (33) 140, 839.
Valencia, variation in, (35) 314.	surveys in Ontario, (27) 39; (29) 41.
variability of yield, (38) 744. variations in. (27) 441.	surveys, statistical methods, (26) 540.
variations in, (27) 441. varieties, (38) 40.	Orcharding— dry land, in southern Toyas, (32) 338.
wart-like excrescences on leaves of, (30) 48.	on rough lands, treatise, (26) 440.
Washington navel, (39) 447. Washington navel, fruit shedding, (40) 839.	textDook, (32) 394.
waste, utilization, (30) 316, 814.	Orchards—see also Fruit, Apples, Peaches, etc. clean culture v. cover crop, (37) 40.
yield as affected by humus content of soils, (38) 814.	cost of bringing into bearing, (36) 140.
Orang-outungs, chromatin bodies in erythrocytes	cover crop experiments, (34) 437.
of, (20) 478.	cover crops for, (27) 144, 743; (28) 47, 114; (29) 147, 395; (30) 197; (32) 635; (37) 833; (38) 346; 443; (39) 39, 445; (40) 444, 739, 741.
Oraniella coffeicola, notes, (38) 51. Orasema viridis, development, (27) 262.	443; (39) 39, 445; (40) 444, 739, 741.
Orchard —	cover crops, tests, (31) 635. culture, (27) 843.
bark beetles, notes, (36) 258. bark beetles, studies, (31) 852.	culture experiments, (36) 724.
bark beetles, studies, (31) 852. crop diseases, notes, (28) 450.	culture on Yuma reclamation project, (29) 226.
crops, insects affecting, (23) 450.	culture v. grass mulch, (36) 41. demonstration, rôle in horticultural education
disenses— and insect pests, control, (35) 461.	(29) 41, 94.
and insect pests, control, (35) 461. in Pennsylvania, (35) 351.	drainage, (36) 888. electrical stimulation, (39) 735.
in Turkostan, (36) 647. notes, (27) 45; (28) 47, 642, 645, 841; (30) 647. ermine moths, notes, (36) 549.	enemies, (27) 756.
ermine moths, notes, (36) 549.	enemies, (27) 756. fertilizer experiments, (26) 238; (27) 538; (33)
Iruits—	236, 239; (35) 235, 416; (36) 40, 237; (37) 240; (40) 341.
culture, (27) 144. fertilizer experiments, (27) 144.	frost injuries to, (36) 40.
insects affecting, (27) 344.	frost injuries to, (36) 40. grass mulch for, (37) 833. in Missouri, (31) 636.
notes, (27) 537. spraying, (27) 144.	in South Australia, (31) 836; (40) 340.
grass—	insects affecting, (26) 553; (28) 47, 642, 841;
as affected by number of cuttings, (29) 431.	in South Australia, (31) 836; (40) 340. insocts affecting, (26) 553; (28) 47, 642, 841; (29) 188, 640; (31) 848; (32) 56, 449; (33) 856; (35) 355.
as forage crop, (31) 829. bacterial disease, description, (30) 539; (31)	irrigated, intercropping, (39) 46. irrigation, (27) 743; (31) 782; (35) 539; (37) 143;
745.	irrigation, (27) 743; (31) 782; (35) 539; (37) 143; (38) 242.
breeding experiments, (26) 830; (32) 431, 532. composition and digestibility, (36) 469.	
composition as affected by irrigation, (28)	irrigation and drainage, (29) 745.
332.	irrigation and cultule, (28) 484. irrigation and drainage, (29) 745. laws for protection in Michigan, (33) 438. lime for, (28) 223. management, (26) 741: (27) 598; (28) 437, 646:
composition at different stages, (30) 836. culture experiments, (29) 631; (30) 228; (32)	management, (26) 741; (27) 508; (28) 437, 640; (29) 339; (35) 142; (36) 95, 341, 841; (30) 38. management in British Columbia, (27) 644.
eulture experiments, (29) 631; (30) 228; (32) 431; (33) 33; (36) 32; (40) 136.	(29) 339; (35) 142; (36) 95, 341, 841; (39) 38.
culture in cotton belt, (32) 534. culture in the Ozarks, (29) 427.	management, lessons in, (27) 897.
culture under irrigation (32) 228	management, lessons in, (27) 897. manuring, (31) 636. mulching v. clenn culture, (33) 43, 239.
offect on soil fertility, (27) 136. ergot in Indiana. (39) 52.	pasturage experiments, (27) 538.
for irrigated pastures, (40) 432.	pasturage experiments, (27) 538. planting, (26) 597; (30) 443. planting by use of explosives, (29) 183.
irrigation experiments, (28) 130, 133; (32)	planting by use of explosives, (29) 183. planting costs, (38) 41.
liming experiments, (38) 219.	pollination in, (26) 440. protection against frost, (26) 136; (27) 240, 439;
moisture content and shrinkage, (34) 828.	protection against frost, (20) 136; (27) 240, 439; (29) 147; (34) 341.
notes, (26) 362; (31) 830. on hog and moss soils, (40) 212.	pruning experiments, (40) 340, 739.
pollination experiments, (37) 734.	pruning o periments, (40) 340, 739. rejuvenation, (27) 538, 897; (25) 47; (29) 745; (33) 97, 240; (34) 341; (36) 40; (38) 242; (40)
root systems of, (35) 630.	341.
seed, adulteration, (35) 740. seed, adulteration and imisbranding, (27) 141; (29) 144.	rejuvenation and operation, (36) 640.
141; (29) 144.	rejuvenation, treatise, (27) 241. smudging experiments, (33) 440.
seed, evarious countries, tests, (27) 534.	soil management, (40) 148, 340, 738.
seed from various countries, tests, (27) 534. seeding on ranges, (29) 531; (30) 35.	soil management, (40) 143, 340, 738. spray calendar, (27) 39. spray gun for, (40) 639. spraying, (28) 156, 352, 653; (30) 314; (32) 637, 834; (33) 47, 98, 735; (36) 535; (38) 796.
time of cutting, (39) 633. variation in. (39) 531. varieties, (29) 139; (30) 434.	spraying, (28) 156, 352, 653; (30) 314; (32) 637.
varieties, (29) 139; (30) 434.	834; (33) 47, 98, 735; (36) 535; (38) 796.
variety tests, (40) 232.	spraying—
yields, (29) 631; (40) 733. heaters, description, (26) 741.	and pruning demonstrations, (30) 40.
heaters, tests, (27) 439, 745; (28) 741; (29) 147; (32) 534; (33) 237.	experiments, (27) 440, 538; (29) 145, 354; (31)
(32) 534; (33) 237. heating (26) 741: (27) 241: (32) 744: (38) 641: (30)	151, 335; (33) 45, 46; (35) 342, 447; (37) 242.
heating, (26) 741; (27) 241; (32) 744; (38) 641; (39) 45; (40) 342, 540.	piping system for, (35) 743.
nesting devices, tests, (26) 530; (34) 747; (35) 142.	program for, (40) 742.
heating in Ohio, (32) 614. industry in California, (29) 639.	and priming demonstrations, (s0) 40. cooperatively, (32) 637. experiments, (27) 440, 538; (29) 145, 354; (31) 151, 335; (33) 45, 46; (35) 342, 447; (37) 242. penetration system, (28) 787. piping system for, (35) 743. program for, (40) 742. v. dusting, (38) 42. straw mulch in, (30) 297. 1380 (6 explosives in, (30) 445.
industry in South Australia, (29) 837.	
industry in Utah, (29) 342. pests, control, (32) 793.	winter injury, (30) 541.
pests, conditi, (32) 755. pests, remedies, (26) 539; (31) 740.	winter work in, (32) 743; (38) 698. young, crops for, (27) 144.
pinhole borers, notes, (36) 258.	young, culture experiments, (33) 238.
plant lice, studies, (40) 649.	young, intercropping, (35) 342.

O botto	
Orchestes— canus, notes. (28) 156; (34) 254.	Organic—Continued. matter—continued.
fagi, notes, (28) 455; (30) 53.	decomposition, relation to plant nutrition,
mangiferae n.sp., description, (35) 365.	(40) 739.
pallicornis, remedies, (31) 456.	destruction in animal and vegetable ma-
spp., notes, (30) 357. Orchid—	terials, (37) 713.
bacterial disease, notes, (37) 839.	determination in soils, (39) 11, 312. determination in water, (37) 714.
bacterial disease, notes, (37) 839. bulbs, fungiculal action, (27) 224.	matter, effect on—
corms or tubers, dried, analyses, (29) 463. diseases, descriptions, (26) 450, 851; (35) 655. diseases, notes, (39) 453.	nitrification, (26) 721; (31) 722, 819.
diseases, descriptions, (26) 450, 851; (35) 655.	nitrifying bacteria, (31) 223.
fly, see Isosoma orchidearum.	nitrogen fivation by Azotobacter, (33) 823.
leaf spot. notes. (34) 442: (40) 844.	nitrogenous compounds, (27) 626; (33) 326. reaction of iron salts, (28) 410.
leaf spot, notes, (34) 442; (40) 844. weevil, new, in Milwaukee, (38) 155.	reserves of soil nitrogen, (40) 122,
Weevils, notes, (40) 655.	soil acidity, (37) 718.
Orchidaceae, endotrophic mycorrhiza, (39) 26.	soil moisture, (40) 811.
Orchids— bacterial diseases, (26) 650; (40) 158.	soil temperature, (29) 619. solubility of inorganic soil constituents (37)
breeding, (39) 449.	422.
breeding and culture, (33) 143.	matter for maintenance of soil fertility, (39) 725,
flowers of, (35) 431.	815.
fumigation, (40) 352. hybridization experiments, (30) 329.	matter in dry-farm soils, (31) 318. matter in soils—see also Soils, organic matter.
insects affecting, (36) 555; (40) 754.	constituents of, (27) 500.
pollination by mosquitoes, (30) 658.	constituents of, (27) 500. decomposition, (26) 321, 616.
soils supporting, reaction, (40) 812.	effect on plant growth, (34) 126.
soils supporting, reaction, (40) 812. treatise, (27) 41; (34) 741. tropical, breeding from seeds, (26) 828.	of South Africa, (26) 420.
tuberization and root infestation, (30) 29.	relation to microorganisms, (29) 315. matter—
Orchilus Cabanis, status, (40) 646.	increasing in soils, (29) 540.
Orchis morio, glycogen content, (27) 133. Orchitis, tuberculous, in a horse, (31) 182. Orcin, factors affecting activity, (28) 609.	increasing in soils, (29) 540. loss from soils, (28) 217.
Orchitis, tuberculous, in a horse, (31) 182.	loss in cultivated soils, (33) 121, 809; (34) 516.
Order, factors affecting activity, (28) 609.	loss in green manuring, (36) 324; (38) 622; (39) 816.
Orcus chalybeus, parasitic on— black scale, (26) 556.	method for rapid destruction, (39) 714.
orange scale, (26) 554.	oxidation in soils, (34) 420.
Oreamnos montanus, host of spotted fever tick,	rôle in soils, (36) 197.
(26) 64.	sampling device for, (37) 711.
Oregma lanigera, notes, (26) 857. Oregon—	showers of, (37) 808. vegetable, humification, (36) 115.
College, notes, (26) 397, 494; (27) 699, 799; (28)	phosphoric acid compound of wheat bran, (28)
Oollege, notes, (26) 397, 494; (27) 699, 799; (28) 698; (29) 197, 300, 900; (30) 96, 397, 000, 699, 900; (31) 198, 399, 696, 798; (32) 95, 397, 696, 698; (32) 95, 397, 698, 698, 798; (32) 95, 397, 698, 698, 798; (32) 95, 397, 698, 698, 798; (32) 95, 397, 698, 698, 798; (32) 95, 397, 698, 698, 698, 698, 698, 698, 698, 698	17.
900; (31) 198, 399, 696, 798; (32) 95, 397, 696,	products, utilization by plants, (36) 225.
900: (33) 100, 400, 500, 790: (34) 97, (99, 290,	Organisms—see also Bacteria and Microorganisms. chemical functions, (28) 201.
497; (35) 97, 400, 698; (30) 99, 196, 696; (37) 98, 197, 299, 399, 499, 898; (38) 98, 499, 799; (39) 698; (40) 298, 799.	environic reactions of (30) 223
(39) 698; (40) 298, 799,	fat containing, cultivation, (34) 763. homozygotic, from heterozygotes, (27) 870. living, isolation, (36) 275.
Eastern Substation, report, (32) 899; (34) 291.	homozygotic, from heterozygotes, (27) 870.
Hood River Branch Station, report, (37) 96.	living, isolation, (36) 275.
Hood River Substation, report, (35) 299, 595. Southern Experiment Station, report, (30) 442.	living, thermodynamic muscular bioenergy, (28) 168.
State Livestock Sanitary Board, report, (37)	reproduction in. (27) 869.
374.	Orgyia dubia, biology, (34) 251. Orgyia leucostigma, notes, (27) 861.
Station, John Jacob Astor Branch, report, (39)	Orgyla leucostigma, notes, (27) 861.
299. Station mater (26) 200 207: (27) 600: (20) 08	Oria musculosa, life history and remedies, (33) 859. Oribatoidea, synopsis, (37) 858.
299. Station, notes, (26) 300, 397; (27) 699; (29) 98, 197, 300; (30) 397, 600, 900; (31) 198, 300, 399, 696; (32) 95, 397, 699; (33) 100, 400, 799; (34) 199, 407, 695; (35) 97, 400, 698; (37) 98, 200, 399, 497, 898; (38) 98, 409, 799; (39) 698, 900; (40) 298, 799.	Oriental—
696; (32) 95, 397, 696; (33) 100, 400, 796; (34)	peach moth, see Peach moth, oriental.
199, 497, 695; (35) 97, 400, 698; (37) 98, 299, 399,	sore, monograph, (39) 683.
499, 898; (38) 98, 499, 799; (39) 698, 900; (40)	Sore, transmission, (32) 750.
Station, report, (32) 899.	Orientation in ants, etc., treatise, (33) 503. Orientation of small objects in paraflin, (38) 497.
Station, Southern Oregon Branch, report, (39)	Origanum—
299.	oil, insecticidal value, (34) 359.
Umatilla Substation, report, (35) 299.	yulgare albiforum, tea from, (33) 661.
Oreoscoptes montanus, fruit eating habits, (27) 254. Organic—	bibliography, (26) 470; (33) 168.
acids, see Acids.	observations, (26) 728.
compounds -	Oriole, Bullock—
antiseptic properties, (39) 412.	destructive to codling moth, (27) 559.
determination, treatise, (34) 312.	destructive to locusts, (28) 351. Ormyrus, n.sp., description, (36) 557.
effect on action of fertilizers, (26) 224. heat of combustion and solution, (26) 872.	Ornamentals—see also Plants, Shrubs, Troos, etc.
humification, (34) 516.	culture in western Nebraska, (29) 546.
insecticidal value, determination, (37) 848.	Ornithin, detection in plants, (37) 201.
photosynthesis from inorganic, (40) 426.	Ornithodoros— coriaceus, life history and biting habits, (35)
toxicity to insect eggs, (38) 858. constituents of soils, (28) 418, 519.	662
constituents of soils, effect on plant growth, (28)	megniui—
417.	in South Africa, (39) 81.
evolution, relation to atmospheric variation,	life history and habits, (37) 856.
(26) 272. extracts, relation to soil "sickness," (28) 520.	notes, (27) 865; (28) 357; (29) 476; (37) 255; (40) 656, 682.
matter—	on jack rabbits, (31) 176.
ashing, (37) 712.	moubata-
cleavage and putrefaction in soils, (31) 313.	nymphs, infection by, (28) 460.
colorimetric determination, (40) 712. complete destruction, (26) 206.	resistance to sheep dips, (28) 481. transmission of spirochetes by, (30) 578.
decomposition in soils, (31) 818; (38) 117;	transmission of trypanosomes by, (30) 853.
(40) 213.	rostratus n.sp., description, (27) 361.

Omithodoros—Continued.	Oryctes—Continued.
savignyi, relation to recurrent fever, (29) 479.	rhinocoros—continued.
talaje in Minnesota, (38) 566.	life history, (26) 654. notes, (27) 858; (31) 58; (33) 154.
Ornithological collector's handbook, (35) 355.	notes, (27) 858; (31) 58; (33) 154.
Ornithology— British, bibliography, (36) 251; (39) 555.	remedies, (28) 561; (30) 459; (39) 663. studies, (28) 561; (30) 459; (39) 663. spp., notes, (29) 568.
Hungarian, bibliography, (31) 57.	studies, (28) 301, (30) 438, (39) 003.
in South Africa, (26) 552.	tarandus, control by parasites, (39) 869
Ornithopus—	Oryssoidea, studies, (30) 59.
ash constituents of, (30) 334.	Oryssus—
spp., hydrocyanic acid in, (34) 525. Ornix geminatella—	immature stages, notes, (40) 265.
notes, (29) 655.	parasitic on Buprestis, (40) 656. Oryza—
studies, (35) 350.	barthii, studies, (26) 438.
Orobanche-	manilensis, description, (36) 531.
crenata seeds, germination after passage through	n.spp., descriptions, (33) 429.
eumana notes (29) 851	sativa, analyses and digestibility, (28) 464. sativa, germination, (30) 437.
cumana on sunflowers. (31) 153.	Oryzanin, a constituent of rice bran, (28) 168.
digestivo truct, (31) 634. eumana, notes, (29) 851. eumana on sunflowers, (31) 153. minor, eradication, (31) 532; (37) 239. minor on Pelargonium zonale, (32) 822.	Oryzomys-
minor on Pelargonium zonale, (32) 822.	n.spp., descriptions, (34) 850.
minor, suddies, (60) 51.	revision, (39) 860.
on beans, (39) 52. parasitic on beans, treatment, (28) 846.	Osage orange— as dyestuff, (32) 613.
parasitic on beans, treatment, (28) 846. (Philipaea) ramosa on hemp, (39) 147.	for dairy cows, (36) 374; (38) 680. rubber, notes, (29) 546. waste as dyestuff, (35) 114.
rubens, notes, (28) 52.	rubber, notes, (29) 546.
rubens, notes, (23) 52, sp., notes, (40) 48. spp. in India, (38) 547; (39) 146.	waste as dyestuff, (35) 114.
spp. in India, (38) 547; (39) 140. spp. on tobacco, (36) 449; (38) 452.	Osazone method of detecting plant tissue sugars, (39) 27.
Orokinase—	Oscillaria prolifica, composition, (36) 201.
definition, (37) 681.	Oscinella frit, control in Kief, (38) 257.
definition, (37) 681. in horse saliva, (40) 778.	Oscinis—
Orosiotes n.g. and n.sp., description, (38) 857. Oroya lever, studies, (37) 356, 377.	frit, see Frit fly.
Orris root, production, (28) 743.	n.spp., descriptions, (40) 263. spp., notes, (27) 560.
Orsodacna atra, notes, (32) 754.	Osiers—
Orsodaeninae, catalogue, (30) 458. Ortalid, new, from Philippines, (38) 767.	culture, (31) 49, 839.
Ortalid, new, from Philippines, (38) 767.	culture, manual, (30) 347.
Ortalidae, trapping, (40) 169. Orthezia—	insects affecting, (28) 654; (29) 853.
ambrosiae n.sp., description, (39) 255.	Osmia— felti, notes, (33) 253.
artemisiae, notes, (26) 149.	felti, notes, (33) 253. nesting habits, (40) 655.
urticae, life history and habits, (28) 452.	spp., bionomics, (35) 468
Orthizema atriceps, notes, (31) 757.	Osmosis—
Ortho-arsenite of zinc— as an insecticide, (28) 59.	in soil solution, rôle in wheat culture, (37) 128, in soils, (26) 217; (20) 124; (30) 23; (31) 720.
notes, (26) 856.	relation to metabolism, (28) 667.
Orthoclase—	review of literature, (35) 432.
as source of potash, (26) 426; (27) 323; (30) 216;	Osmotic—
(36) 728.	cell, artificial, new type, (38) 125. effects in plants, origin, (26) 531. equilibration in the living body, (28) 262.
decomposition by bacteria, (29) 316. decomposition by soil bacteria and yeast, (31)	equilibration in the living body. (28) 262.
121.	membranes, significance in nercure, (26) our.
fertilizing value, (28) 33; (39) 728.	pressure—see also Sap concentration.
potash, solubility, (34) 328. Orthoptera—	as an environmental factor in plants, (29)
in vicinity of La Fayette, Indiana, (36) 252.	determination, (29) 731.
inheritance and evolution in, (31) 58, 272; (40)	importance in relation to biologic sciences,
367.	(30) 801.
of Connecticut, (26) 147.	in alpine plants, (39) 223.
Michigan, key, (39) 863. Minnesota, (28) 653. Nova Scotia, (40) 856.	nnimals and plants, (38) 821. desert plants, (33) 628.
Nova Scotia. (40) 856.	looves inclined variations in (20) 134
Peru, (40) 353.	leaves, studies, (27) (31.
Plummers Island, Maryland, (40) 649.	mangroves, (30) au.
southern Italian Somali, (38) 400. Virginla, (37) 461.	marine algae, (39) 223.
Yale-Dominican expedition, (34) 854.	plant organs, (30) 523. plants, (20) 133, 134, 828; (35) 25, 26, 822.
Orthopteroid insects of Philippines, (36) 355.	potatoes, (30) 228. roots and leaves, relation to water supply,
Orthorrapha, mouth parts and sucking apparatus	roots and leaves, relation to water supply,
Of, (29) 760.	(37) 525. monograph, (30) 310.
Orthorrhinus kluggi, injurious to roses, (29) 658. Orthosia litura, notes, (27) 552.	of casein, measurement, (26) 307.
Orthotomicus n.spp., descriptions, (35) 856.	Philippules and parasites, (32) 321.
Orthotylus—	Jamaican mountain plants, (38) 125. sap and height of leaf insertion, (38) 126.
flavosparsus, relation to fire blight, (33) 744.	sap and neight of leaf insertion, (38) 120.
marginalis, notes, (32) 849. marginalis on apple, (40) 60.	sap, determination, (38) 523. relation to root hairs, (28) 814.
of North America, monograph, (36) 253.	relation to stomata regulation, (33) 628.
Ortstein	table, (37) 630. treatise, (40) 801.
formation, (30) 216, 719; (36) 813. formation and composition, (27) 619.	treatise, (40) 801.
in North See morehog (20) 514	Ossein, nutritive value and use, (32) 760. Osteochondrosarcoma in chickens, (28) 288.
in North Sea marshes, (30) 514. notes, (27) 416.	Osteomalacia—sec also Lamziekte.
Orwood-	notes, (32) 374.
effect on germination of seeds. (23) 536.	summary and digest of data, (36) 161.
fungicidal value, (28) 544,	Osteomyelitis in cattle and horses, (27) 4"8,
Oryctes— monoceros, notes, (37) 54.	Osteoporosis in horses, (36) 780. Ostertagia—
nasicornis, investigations, (38) 163.	bullosa, notes, (29) 555.
rhinocoros-see also Coconnit beetle.	circumcincta, notes, (40) 83.

Ostertagia—Continued.	Oven-
spp., notes, (28) 481. trifurcata in abomasum of sheep, (35) 78.	electrical, description, (29) 567. temperatures for cooking, standardization, (31)
Ostitis, infectious, in cattle and horses, (27) 478.	359.
Ostrich—	Overfeeding, effect on energy metabolism, (28) 264.
chick fever, (33) 384. chicks, diseases and parasites of, (26) 487.	Oviducal glands, albumin secreted by, (37) 773. Oviduct—
farming in Australia, (29) 575.	effects of ligation, section, or removal, (32) 670;
feather industry in South Africa, (35) 774. feathers, analyses, (26) 469.	(33) 96. of domestic fowls, secretory activity, (26) 196.
wireworm, life history, (33) 384.	of hen, abnormality, (33) 471.
Ostriches—	of hen, histology, (28) 575.
breeding and care, (34) 873. breeding and feeding. (27) 876.	physiology, (26) 670. Ovis tragelaphus, relation to sheep pox, (28) 183.
breeding and feeding, (27) 876. breeding for plumes, (26) 473. breeding in Germany, (32) 173. breeding, treatise, (26) 772.	Ovochromin, notes, (28) 607. Ovomucoid of birds' eggs, investigations, (28) 65.
breeding in Germany, (32) 173.	Ovomucoid of birds' eggs, investigations, (28) 65.
feather development in, (30) 874. feather irregularities, (28) 270, 271.	Ovoserums, use, (30) 112. Ovularia palmicola n.sp., description, (31) 746.
feather irregularities, (28) 270, 271.	Ovulation—
feathers of, (27) 472. from Sudan, (27) 674. laying records and weight of eggs, (39) 781.	and ovarian cyst formation, (40) 467. as affected by corpus luteum, (33) 96.
laying records and weight of eggs, (39) 781.	as affected by corpus luteum, (33) 96. in fowls as affected by corpus luteum, (32) 671.
leucocytozoon affecting, (28) 683; (29) 476. notes, (29) 172.	in swine, (40) 663. period in rats and mice, (40) 663.
quilling experiments, (27) 472.	Ovules, abortiveness in relation to pod position,
raising in Morocco, (38) 174.	(34) 134.
studies, (35) 569. treatise, (30) 472, 874.	Owl, burrowing, destruction of locusts by, (28) 351. Owl, little, economic importance, (29) 651.
Osyris—	Owls, notes, (27) 355.
abyssinica, analyses and digestibility, (32) 167. alba, description, (27) 547.	Owls of France, treatise, (26) 452. Ox—
Otacariasis in mountain sheep, description, (33)	hemoglobin, hydrolysis, (26) 22; (28) 607.
680.	muscle, autolysis in, (36) 109.
Otiocerus coquebertii, notes, (26) 147. Otiorhynchus—	muscle, lysin content, (31) 559. saliva, diastase in, (36) 82; (37) 276.
(Cryphiphorus) ligustici, studies, (33) 657.	serum, coagulation by ultraviolet light, (30)
ovatus—	110. serum proteins, refractive indexes, (28) 501.
life history and remedies, (30) 58. notes, (28) 156; (32) 448, 556; (37) 54.	small diluvial primitive, (26) 768.
notes, (28) 156; (32) 448, 556; (37) 54. remedles, (38) 864.	warble fly-see also Hypoderma spp. and Bots.
studies, (36) 156. rotundatus, habits of, (29) 657.	control, (32) 153, 680. control in Denmark, (26) 485.
sensitivus (planatus), life history and bionomics,	control in Germany, (32) 581. genitalia and larva of, (31) 254.
(26) 861.	genitalia and larva of, (31) 254. in Netherlands, (38) 563.
spp., colored plate, (40) 170. spp., notes, (28) 456.	in South Africa, (31) 780.
spp., parthenogenesis in, (32) 250.	in United States, (35) 76.
sulcatus, notes, (30) 654; (32) 156, 556; (34) 65; (36) 859.	larvae extract, effect on cattle, (36) 478. larvae extract, effect on cattle and sheep,
sulcatus, studies, (39) 363.	(37) 379.
tauricus, notes, (33) 652. Otobius (Ornithodoros) megnini, notes, (28) 357.	larvae, migration, (39) 157.
Otocoris alpestris actia, destruction of locusts by,	larvae, penetration from alimentary tract, (26) 657.
(28) 351.	life history, (27) 457; (32) 60, 153, 680; (33) 656; (37) 691.
Otthia— amica, notes, (33) 545.	ood, (37) 691. mature larva in back of horse, (33) 554. notes, (26) 286, 781; (27) 356; (28) 81, 181; (29) 357, 761; (30) 83, 254, 552; (31) 98; (32) 448, 753, 796; (33) 554, 878; (36) 456; (37) 156, 464; (40) 259. relation to weather conditions, (26) 657.
sp. on sugar cune, (37) 553. Otus asio, notes, (27) 355.	notes, (26) 286, 781; (27) 356; (28) 81, 181;
Otus asio, notes, (27) 355.	(29) 357, 761; (30) 83, 254, 552; (31) 98; (32)
Ougeinia dalhergioides, notes, (29) 443. Outdoor work, treatise, (26) 298.	156, 464; (40) 259.
Ova	relation to weather conditions, (26) 657.
intrauterine absorption, (40) 663, mainmalian, segmentation, (27) 770.	review of literature, (29) 856. studies, (27) 289; (31) 85; (35) 282; (36) 482. warble juice, offect of injection, (39) 585.
mammalian, segmentation, (27) 770. parasitic, viability, (26) 588.	warble juice, effect of injection, (39) 585.
production of sperm isongglutinins by, (29) 167. white and yellow yolk of, studies, (26) 164.	Oxalates, toxic action, (40) 465. Oxalic acid—
Ovalbumin, preparation and refractive index, (39)	assimilation by plants, (31) 426.
609.	detection in wine, (37) 207. determination in pine needles, (28) 713.
Ovarian— extract feeding, effect on growth and sexual	determination in Sesame cake, (28) 713.
extract feeding, effect on growth and sexual development, (34) 766.	effect on-
infection in fowls, studies, (31) 484. transplantation experiments, (28) 173.	bacterial flora of soils, (28) 815. bread fermentation, (27) 268.
transplantation in chicks, (34) 870.	carbon assimilation by plants, (27) 525.
transplantation in ducks, (40) 367.	isolation from soils, (28) 418.
transplantation in guinea pigs, (30) 472. transplantation, notes, (26) 163.	larvicidal value, (34) 359. production from wood, (28) 50.
Ovaries—	salts, toxicity, (27) 229. secretion by Cicer arietinum, (34) 525.
as affected by Roentgen rays, (32) 466.	secretion by Cicer arietinum, (34) 525. solutions, keeping qualities, (38) 412.
development in fowls, (29) 874. isolated, effect on growth, (40) 662.	Oxalic compounds, effect on vegetation, (29) 49.
 of pigs, enzyms of, (27) 670. 	Oxalis-
Ovariotomy, effect on sheep, (27) 70. Ovariotomy in fowls, (40) 871.	esculenta as affected by copper fungicides, (28) 247.
Ovaritis in cattle, (38) 179, 787.	genetical studies, (34) 823.
Ovary—	spp. on corn in Barbados, (33) 445.
extract, effect on milk production, (37) 173. of the fowl, corpus luteum, (40) 664.	violacea, notes, (31) 235. Oxamid—
resting, in hen, effect of pituitary extract on,	assimilation by plants, (26) 32.
(33) 472.	availability of nitrogen in, (35) 427

abnormal digits, (27) 369.	determination in—
cost of raising, (2) 467.	sewage, (26) 407.
degeneration in teeth of, (33) 279.	water, (31) 411; (35) 415.
digestion experiments, (28) 463. European wild, old pictures of, (28) 365.	water and effluents, (34) 410. water in presence of nitrite, (33) 413.
feeding experiments, (26) 468, (32) 166, 363, 770.	disappearance in canned food containers, (28)
from Roman military station, skulls of, (28) 165.	361.
limb tendons of, (29) 570 maintenance ration, (33) 870	dissolved, determination in water, (32) 612; (33) 711.
pasturing experiments, (31) 470.	dissolved, in rainwater, (37) 620.
reproductive organs, (27) 369.	dissolved, in water, factors affecting, (26) 418.
serum proteins of, (28) 876.	effect on—
sinus hairs, (27) 373. skin temperature and fattening capacity, rela-	alcoholic fermentation in peas, (26) 731. denitrification, (27) 424.
tion, (31) 866.	germination of aged seeds, (36) 29. elimination as affected by light, (28) 801.
v. horses for field work in Russia, (26) 269.	elimination as affected by light, (28) 801.
working, dipping, (33) 384. Oxhydridase, antitoxic rôle, (40) 580.	pressure effect on seed germination, (26) 131, 531. relation to ammonia formation in plants, (28)
Oxidase—	328.
action, mechanism, (35) 713; (36) 609; (37) 726. activity in etherized bulbs and tubers, (30) 728. activity in plants, (37) 9, 326, 429, 430. apparatus, description, (32) 508.	relation to growth of algae, (28) 821. requirements of roots of higher plants, (38) 628.
activity in cinerized builds and tubers, (30) 725.	rôle in germination of Gramineno. (38) 24.
apparatus, description, (32) 508.	rôle in germination of Gramineue, (38) 24. rôle in germination of seed, (80) 629. storage by bacteria and fungi, (28) 329. Oxygenase, activity in diseased potatocs, (26) 548.
content of plant juries, measurement, (27) 9. content of sugar boets, (28) 314. effect on anthocyanin, (38) 128. enzyms, notes, (34) 711. of fruits, notes, (26) 310. of Rhus diversilobe, (37) 411. rection for distaction of raped fats, (40) 412.	storage by bacteria and fungi, (28) 329.
effect on anthogyanin (38) 128	p-Oxyphenylethylamin in normal cheese, (32) 503.
enzyms, notes, (34) 711.	Oxypleurites n.spp., descriptions, (30) 362.
of fruits, notes, (26) 310.	Oxypicurites n.spp., descriptions, (30) 362. Oxyproteic acids, chemistry of, (33) 409. Oxyptilus periscelldactylus, see Grape plume moth.
reaction for detection of rancid fats, (40) 412.	Oxyrhachys tarundus, notes, (31) 59.
reactions, studies, (36) 503.	Oxyspirura mansoni, treatment, (29) 784.
reagents, color changes in, (36) 221.	Oxysternus maximus, notes. (29) 858.
relation to catalase in plant tissue, (36) 610. Oxidases—	Oxythrips, synopsis, (36) 550. Oxythyrea cinctella, notes, (27) 453.
detection, (23) 204.	Oxytropis—
distribution and rôle in plants. (27) 632.	lamberti, occurrence of barium in, (26) 432.
distribution in plants, (31) 626; (31) 32; (35) 130.	spp., descriptions, (39) 386. Oxyurlas, variation in, (33) 459.
corn silks, (30) 709.	Oxyuriasis, equine, treatment, (40) 586.
in chicken fat, (28) 63, corn silks, (30) 709. potatoes, (31) 748.	Oxyuris vermicularis—
tobacco plant, (31) 204. of acid tissues, (31) 826.	dissemination by files, (30) 659. physiological investigations, (31) 679.
Cytisus adami, (27) 733.	relation to appendicitis, (26) 678.
resting and sprouted potatoes, (20) 547.	Oxygrosis in the horse, (39) 686.
sugar cane, (40) 426. plant, nature and function, (30) 203.	Oyster— beds, inspection in New Jersey, (28) 862.
plant, review of literature, (33) 426.	culture, studies, (39) 782.
role in— deterioration of cut flowers (28) 129	floating laboratory, description, (27) 774. grounds, inspection in United States, (26) 761.
deterioration of cut flowers, (28) 129. formation of essential oils, (28) 129.	industry, sanitary regulations, (27) 269.
formation of pigments, (29) 219. plant respiration, (34) 523, 524; (36) 329.	larvae, collecting, (20) 473.
sugar heet curly top, (29) 48, 550.	laws in Washington, (27) 254. mud, analyses, (32) 421.
studies, (27) 503; (33) 409; (36) 224.	propagation, (40) 177.
Oxidation—	shell scale— as affected by low temperature, (34) 357.
as affected by food ingestion, (40) 361, 365, 766. by catalysts. (33) 329.	control, (39) 162.
by entalysis, (33) 320. effect on soil phosphorus, (27) 122. in animul body, (28) 607; (34) 663. potential, meusurement, (36) 224.	life history and remedies, (29) 558.
n animal body, (28) 607; (31) 663.	mite enemies, (27) 861. notes, (27) 658; (28) 156, 353, 752; (29) 251; (31) 60; (34) 158; (35) 253, 256, 756.
Oxidizers, enect on arminonia production and use in	(31) 60; (34) 158; (35) 253, 256, 756.
killed plants, (28) 327. Oxido-reduction, biochemical phenomena, (38) 802.	notes and remedies, (29) 758.
Oxids, metallic, iertilizing value, (31) 821.	parasites of, (26) 149. remedies, (33) 59; (36) 857. studies, (33) 558.
Oxidus	studies, (33) 558.
gracilis, studies, (37) 667. new genus, description, (26) 353.	shells— analyses, (36) 821.
Oxydenzoic acid, heronic termentation, (au) 28.	analyses and use, (28) 726.
Oxycarenus—	
hyalinipennis, notes, (32) 847; (40) 256, 854. laetus, notes, (28) 654. spp., injurious to cotton, (27) 454.	fertilizing value, (39) 626. ground, analyses, (28) 626; (31) 421; (33) 820. ground, diffusion in soils, (29) 128.
spp., injurious to cotton, (27) 454.	ground, diffusion in soils, (29) 128.
Oxycholesterol, color reaction for, (36) 112. Oxyechus vociferus—	ground, mixing with acid phosphate, (30)
destruction of locusts by, (28) 351.	325. Oysters—
Hotes, (27) 355.	analyses, (28) 459.
Oxygen— absorption by oils, (29) 613.	bacterial content, seasonal variation, (26) 761. bacterial purification, (27) 63.
absorption by respiratory chromogens of plants,	bacteriological analyses, (38) 265.
(29) 324.	bacteriological examination, (37) 468.
absorption by sewage effluents, (20) 400. analysis, apparatus for, (40) 111.	Canadian, development, (26) 473.
and carbon dioxid, effect on nitrogen trans-	Canadian, development, (26) 473. canned, industry in United States, (31) 67. creatin and creatinin content, (31) 760.
formation in soils, (36) 724.	culture, (27) 472, 774. culture in Germany, (30) 271.
atmospheric, effect on plant proteins, (27) 428. concentration, relation to methylene blue reduc-	destruction by crabs. (36) 271.
tion by milk, (40) 613.	destruction by crabs, (36) 853. examination, (26) 868; (28) 196; (31) 64; (32) 854; (35) 287, 859; (36) 159. floating, (27) 762; (30) 375.
density, (34) 414.	(95) 987 850- (96) 150
determination, (31) 109.	flooting (27) 789: (20) 275

SUBJECT INDEX

Oysters—Continued.	Paint-Continued.
floating or swelling, (36) 861.	testing, (33) 90.
green color of, (35) 265.	testing, (33) 90. use on the farm, (26) 386.
green, copper content, (36) 861. handling and marketing, (31) 63.	Paints-
handling and marketing, (31) 63.	analyses, (28) 715; (29) 866.
packing, shipping, and sale, (34) 761. polluted, purification, (35) 763. propagation, (28) 774; (30) 374; (32) 573; (34) 180;	branding, tests, (34) 668. dry, inserticidal value, (29) 758.
polluted, purification, (35) 763.	dry, insecticidal value, (29) 758.
propagation, (28) 774; (30) 374; (32) 573; (34) 180;	examination, (28) 565. for highway bridges, tests, (36) 587.
(36) 371.	for highway bildges, tests, (36) 587.
recipes, (29) 361.	for roofs, (35) 189. for steel bridges, (36) 384.
relation to typhoid fever, (31) 460; (35) 162.	ior steel bridges, (36) 384.
removal from polluted to unpolluted waters,	inspection in Iowa, (36) 762.
(26) 67. sewage-polluted, danger from, (27) 866.	inspection in Wisconsin, (35) 471. sheep branding, tests, (27) 874.
shell, determination of sanitary quality, (30)	tests and analyses, (30) 691.
163.	use of soy bean oil in, (28) 114.
shucked, cold-storage changes, (37) 311.	Palaeochenoides mioceanus, relationships, (38) 556.
sold in Baltimore, bacterial content. (31) 759.	Palaeococcus fuscipennis, notes, (30) 249.
solidity of, (36) 861.	Palaeopus n.spp., descriptions, (39) 565. Palate of civilized man, relation to agriculture, (40)
studies, (40) 459.	Palate of civilized man, relation to agriculture, (40)
transmission of diseases by, (30) 368.	656.
water content, (32) 252.	Paleacrita vernata, see Cankerworm, spring.
Ozamia lucidalis, notes, (28) 451. Ozone—	Paleobotany, bibliography, (29) 626. Palindia, notes, (34) 855.
absorption bands in spectra of sun and stars,	Palm—
(38) 511	bud rot, notes, (30) 845; (38) 547.
determination in atmosphere, (39) 210.	
effect on beech wood, (30) 711.	cabbages of Madagascar, (27) 766.
formation in upper atmosphere. (33) 19.	cabbages of Madagascar, (27) 766. cake, analyses, (26) 266; (27) 570; (29) 367. disease in Belgian Kongo, (35) 550. diseases in India, (33) 846. diseases, notes, (27) 747; (28) 241; (39) 52, 147, 752;
nascent, as food preservative, (29) 566.	disease in Belgian Kongo, (35) 550.
purification of water by, (32) 87.	diseases in India, (33) 846.
nascent, as food preservative, (29) 566. purification of water by, (32) 87. therapeutic value, (38) 585.	diseases, notes, (27) 747; (28) 241; (39) 52, 147, 752;
use in stermization of mark, (21) 75.	(40) 48, 845. fruits and seed from Brazil in Missouri Botanical
water purifiers, description, (30) 789.	Garden, (31) 742.
Ozonium omnivorum, notes, (30) 538; (31) 746; (38) 334.	
Pachnacus litus, notes, (28) 855. Pachnacus opalus, notes, (31) 751. Pachyprachys, North American, revision, (34) 261. Pachypruchus verticalis n.sp., description, (32) 658. Pachycris torridus. notes, (30) 657 pt.	Kernel—
Pachnaeus opalus, notes, (25) 555.	cake, analyses, (31) 467, 864; (34) 263. cake, digostibility, (36) 764. cake for cattle, (34) 566; (38) 167. meal, analyses, (31) 864; (38) 771. meal, feeding value, (38) 167, 771; (39) 576.
Pachybrachys, North American, revision, (34) 361.	cake for cattle. (34) 566: (38) 167.
Pachybruchus verticalis n.sp., description, (32) 658.	meal, analyses, (31) 864; (38) 771.
Pachycoris torridus, notes, (30) 657.	meal, feeding value, (38) 167, 771; (39) 576
Pachycoris torridus, notes, (30) 657. Pachycrepoideus dubius, notes, (40) 459.	
Pachyna neus, notes, (30) 454.	meal for steers, (37) 789. oil and coconut oil, differentiation, (38) 413 oil, detection, (28) 208; (29) 613. oil, physical constants, (35) 312.
Pachymerus—	oil and coconut oil, differentiation, (38) 413
chinensis, remedies, (31) 553. chinensis, studies, (28) 256.	oil, detection, (28) 208; (29) 613.
gonagra in Hawaiian Islands, (40) 266.	oll, physical constants, (35) 312.
quadrimaculatus, notes, (40) 170.	Kernels, composition and matrice value, (or,
Pachynematus montanus, notes, (30) 249.	505. Koleroga disease of, (31) 841.
Pachyneuron—	Nipa, paper-making material from, (31) 526.
allograptae, notes, (31) 758.	nut cake—
hanimari n.sp., description, (32) 557.	ecidity, (35) 770.
mucronatum n.sp., description, (36) 565.	agglutinating properties, (31) 774.
North American species, (38) 565.	agglutinating properties, (31) 774. analyses, (26) 267, 363; (27) 872; (29) 467; (30) 268, 467; (31) 766; (32) 672; (33) 170, 665, 870;
virginieum, notes, (38) 565. Pachypappa reaumuri, notes, (34) 551.	268, 467; (31) 766; (32) 672; (33) 170, 665, 870;
Pachyrelians orong offset on nitrogen content of	(37) 873.
Pachyrrhizus erosus, effect on nitrogen content of soils, (31) 733.	as feeding stuff, (34) 298. composition and digestrbility, (33) 568.
Pachyrrhynchidae of Philippines (28) 561.	composition and feeding value, (32) 774.
Pachytychius mungonis n.sp., description, (35) 365.	digestibility, (31) 767.
Pachytylus-	digestibility, (31) 767. effect on milk, (34) 471, 570.
migratorius—	effect on milk production, (26) 169; (27) 280
destruction by Coccobacillus acridiorum	(33) 674.
(33) 151.	feeding value, (38) 572. for cows, (37) 872.
notes, (31) 850.	for these and cottle (21) 766
migratoroides— notes, (28) 555.	for sheen and cattle, (31) 766. in ration, effect on bulk of manure, (40) 126.
propagation and distribution, (30) 546.	rancidity (35) 770: (39) 209
sp., control in Malay, (34) 254.	rancidity (35) 770; (39) 209. sugar content, (37) 208.
Pachyzancla—	nut meal, analyses, (30) 268.
bipunctalis, studies, (26) 250.	nut oil, refractive index, (27) 615.
periusalis, studies, (39) 58.	nut oil, réfractive index, (27) 615. oil, detection, (27) 207; (29) 613; (37) 13.
Packing—	oil, production in United States, (40) 614. oil products as feeding stuffs, (38) 368. oils, composition, (26) 23; (36) 803.
boxes, tests, (28) 843.	on products as recalling sturis, (38) 408.
factories, inspection in Ohio, (33) 165.	0115, composition, (20) 23; (30) 803.
house waste, fertilizing value, (39) 429. plants, inspection in Virginia, (29) 567.	saps, studies, (30) 16.
Paddy, see Rice.	scale, tessellated, notes, (28) 851. seed cake, analyses, (30) 67.
Paederiis sp. notes. (27) 862.	seed, royal, analyses, (26) 873.
Pagoda tree diseases, notes, (27) 854.	weevil-
Paille finne grass, analyses and use, (32) 68.	Asiatic, notes, (33) 154.
Paint—	destructive to sugar cane, (28) 561.
analyses, (33) 17.	notes, (26) 354.
	notes, (26) 354. red, life history (26) 654. studies, (39) 408.
increasing in South Delete (22) 47	Palmar worm, notes (30) 857
law in North Dekota (98) 661- (32) 01.	Palmer worm, notes, (30) 657. Palmer worm, oviposition of, (31) 352.
and on law in South Datota, (28) 367. films as coatings for concrete, (31) 784. inspection in South Dakota, (33) 67. law in North Dakota, (28) 661; (33) 91, 662. law in Ohio, (33) 261.	Palmetto—
mineral, deposits in Virginia coastal plain, (29)	ornamental, in southern Texas, (28) 841.
519	sem notes (20) 145

Palmetto—Continued.	Panicum—Continued.
saw, studies, (35) 807.	numidianum, cercopid enemy, (40) 856.
scale in California, (37) 563.	numidianum, notes, (30) 229.
Palmilia as emergency forage, (39) 772.	palmifolium as forage crop, (38) 527.
Palmitic acid—	repens, notes, (30) 230.
and palmitates, metabolism, (39) 874.	sanguinale, 100t system, (36) 438. spp., analyses, (27) 68; (28) 463; (30) 565; (31) 863
determination, (31) 508.	spp., analyses, (27) 68; (28) 463; (30) 565; (31) 863
salts, solubility, (35) 416. Palmitin content of egg yolk, (26) 67.	spp., analyses and cultural notes, (38) 528.
Palmitin content of egg yolk, (26) 67.	spp., analyses and digestibility, (28) 464; (32)
Palmityldistearin in lard, (32) 801.	167.
Palmo Midds, feeding value, (40) 668.	spp., culture experiments, (28) 136.
Palms—	spp., culture under irrigation, (33) 228.
culture and utilization, (33) 438.	spp., notes, (26) 362
culture experiments, (40) 339. culture, open air, in Italy, (32) 746.	spp. of tropical North America, (33) 727.
data ess Data nolms	spp., studies, (32) 727.
diameter growth of (98) 341	trichopus, analyses and digestibility, (27) 871.
date, see Date palms. diameter growth of, (28) 341. indigenous to Cuba, (27) 242. of British India and Ceylon, (30) 444; (33) 841.	Paniscus geminatus, notes, (31) 355. Panolis—
of British India and Caylon (30) 114. (33) 811	
of India and Ceylon, (38) 44.	griseovariegata, notes, (31) 756. piniperda, notes, (35) 254.
of Philippines (33) 433	niniperda, prevalence in Bohemia (33) 748
oil, see Oil palm.	piniperda, prevalence in Bohemia, (33) 748. Panorpa klugi, life history, (28) 655. Panscopus spp., notes, (35) 364.
royal, root nodules, (27) 847.	Panscopus spp., notes, (35) 364.
sugar, culture and use, (32) 46.	Pansies—
sugar, notes, (40) 44.	breeding experiments, (27) 741.
sugar-producing, notes, (29) 149.	cut, preservation, (31) 837.
treatise, (28) 542.	varieties, (31) 48.
weeping fan, culture in Arizona, (32) 233.	Pantala flavescens, food habits, (34) 549.
Palmyra—	Pantomorus fulleri, notes, (32) 556.
diseases, notes, (40) 48, 845.	Panzeria minor n.sp., studies, (39) 659.
leaf spot, notes, (27) 751.	Panzeria rudis, biology, (35) 253.
palm diseasos, treatment, (38) 351.	Papain—
Paloeopus dioscoreae n sp., description, (38) 864.	digestive value, (28) 110.
Paltostoma torrentium, notes, (29) 54.	effect on activity of zymase, (28) 504.
Palur agricultural station, report, (33) 130.	extraction experiments, (33) 141.
Pamburus, new genus, description, (35) 449.	proteolytic activity, (38) 802.
Pampas grass, toxicity to sheep, (39) 85.	Papaipema nitela, see Stalk horer.
Pamphila dysmephila, life history and habits, (29)	Papaipema sp., notes, (26) 59.
655.	Papatasii flies of Malta, (35) 57.
Pamphilius—	Papaver-
dentatus, life history and habits, (28) 553.	inhibiting factors in breeding, (26) 827
persicum, notes, (26) 856.	orientale, alkaloids in (32) 327.
Pan American—	rhoeas, color inhibitions, (27) 733.
Road Congress, (34) 390, 484; (35) 583. Scientific Congress, (32) 498; (33) 599; (34) 303.	rhoeas, self-sterility, (38) 426.
Panargyrops pellucidator, notes, (38) 768.	somniferum, alkaloids, latex, and oxiduses in,
Panax arboreus, intumescences in, (26) 545.	(36) 127. Papaveraceae, oils and alkaloids of, (36) 628.
Panchlora hyalina, notes, (28) 351.	Papaws—
Pancreas—	analyses and food value, (38) 365.
diastase, effect on out and wheat starch, (28)	improvement, (38) 542.
660.	recipes, (28) 863.
diseases, diagnosis, (29) 268. ferments of, (29) 662; (32) 858, 859; (34) 257. function of, (36) 562.	specimens in United States, (36) 445.
ferments of, (29) 662; (32) 858, 859; (34) 257.	Papaya-
function of, (36) 562.	dioecious character, (28) 238.
internal secretions of, (30) 201.	disease in Burbados, (31) 249. disease, studies, (30) 838.
of pigs, structure and growth, (32) 378.	disease, studies, (30) 838.
pathology, (27) 576.	diseases, treatment, (37) 550.
preparations, factors affecting activity and stability, (31) 203.	Howers, Variation in (35) 449; (36) 241.
stability, (31) 203.	fruit disease, notes, (37) 148.
preparations, proteolytic activity, (32) 710; (39)	truit my, danger of introduction, (39) 467.
669.	fruit disease, notes, (37) 148. fruit ily, danger of introduction, (39) 467. fruit ily, investigations, (32) 60. leaf disease, studies, (29) 848; (31) 55.
rôle in digestion and absorption of fat, (31) 257.	Populates, Strictes, (20) 846; (31) 88.
Pancrentic—	Papayas—
amylase, studies, (40) 504. and gastric fat digestion in infants, (29) 365.	analyses, (32) 761. analyses and use, (30) 363.
ferments, coagulation, (38) 710. juice, nature and properties, (34) 257. juice of dogs, alkulinity, (29) 268.	botany and culture, (33) 440
inice nature and properties. (34) 257	brooding (35) 344
juice of dogs, alkalinity, (29) 268.	breeding experiments, (29) 234; (30) 841; (32)
secretion, relation to fats, (29) 465.	breeding, (35) 344. breeding experiments, (29) 234; (30) 841; (32) 741; (35) 539; (37) 142; (38) 842.
vitamin, use in malnutrition, (37) 65.	change of sex in, (30) 838, 812.
Pancreatin, studies, (26) 265	cold storage of, (32) 439.
Pandemis ribeana, notes, (34) 855.	culture, (31) 536; (37) 345.
Pandorina as affected by copper sulphate, (39) 27.	culture
Panga fruits as tanning material, (36) 509.	and shipping experiments, (27) 142.
Panicularia—	and use, (36) 241.
occidentalis n sp., description, (34) 336.	experiments, (30) 841; (40) 339.
spp., cyanogen in, (33) 665.	in Philippines, (34) 635.
Panicum—	for pigs, (30) 868.
altissimum, distribution of stomata in, (32) 221.	grafted, possibilities, (29) 42.
barbinode, culture in Guam, (40) 327.	host plant of fruit fly, (26) 758. insects affecting, (30) 842. propagation, (27) 142.
bulbosum, analyses, (27) 469.	misects affecting, (80) 842.
capillare as host of curlew bug, (27) 162.	Paren.
combsii in Florida, (40) 137. crus-galli, two species of (39) 231.	Paper— absorbency determination (3h) 414
hemitomum, analyses and use, (30) 437; (32)	absorbency, determination, (35) 414. and pulp industry, bibliography, (29) 119.
68; (35) 831.	as affected by humidity, (37) 109.
maximum, composition and culture, (31) 832.	bottles, tests, (27) 777.
miliaceum, botanical studies, (37) 336.	detection of faulty sizing in, (28) 513; (35) 718.
miliaceum, coloration of glumes, (32) 727.	discoloration due to fungi, (37) 630.
miliaceum of Java, (35) 440.	dishes, bacteriology, (32) 856.

Danier Clarifornia	70
Paper—Continued.	Paracresol in oil, germicidal power, (40) 882.
from corn stalks, (27) 314.	Para-dichlorobenzene as a fumigant, (32) 650. Paradol, notes, (37) 612.
ack pine and hemlock, (27) 541. longleaf pine chips, (38) 809.	Paraffin—
tomato skins. (28) 660.	as wood preservative, (27) 314.
waste resinous woods, (28) 512.	destruction by bacteria and molds, (32) 523.
industry in United States, (31) 148.	effect on accumulation of ammonia and nitrates
investigations at Forest Products Laboratory,	in soils, (37) 812
1918, (40) 641.	effect on turnip seed, (32) 851
manufacture from bagasse, (26) 213. measurement of translucency, (27) 114.	emulsions, wetting power, (37) 759. insecticidal value, (27) 755.
methods of analysis, (27) 205.	nicotin emulsion, use, (39) 763.
mill waste liquors, purification, (33) 520.	oil emulsion as a contact insecticide, (38) 762.
milling, Ives tint photometer in, (36) 207.	orientation of small objects in. (38) 497.
parchment, for dairy use, (27) 575. pulleys, tests, (28) 590. pulp—see also Pulpwood and Wood pulp.	paper as surgical dressing, (39) 488. preservation of eggs with, (29) 172.
pulleys, tests, (28) 690.	preservation of eggs with, (29) 172.
filter, use in quantitative analysis, (34) 712.	treatment of burns by, (40) 780. Paraffined dressings, action on wounds, (40) 779.
from dead leaves. (39) 808.	Paragonimus westermanii, intermediate host, (35)
from esparto, (31) 832.	384, 681.
from esparto, (31) 832. from long-leaf pine, (30) 615; (31) 144. manufacture from bamboo, (27) 647; (28)	Paragreles, electric, (31) 615.
manufacture from bamboo, (27) 647; (28)	Paragus spp., life histories (26) 349.
645.	Parahydroxyhenzoic acid, isolation from soil, (37)
materials, (40) 243, 745, 823.	709. Paraleptomastrx—
microscopy, (27) 315. textile from, (38) 208.	abnorms in California, (34) 451.
technology, manual, (26) 316.	abnormis n.sp., description, (34) 456.
testing, constant temperature and humidity	abnormis, notes, (39) 461, (40) 359.
room for, (38) 414.	abnormis, studies, (37) 569.
waste as source of lime, (35) 22.	notatus n.sp., description, (37) 467. Paraleurocerus bicoloripes ng. and n.sp., de-
wet, determination of strength, (36) 509. Papillo—	Paraleurocerus bicoloripes n.g. and n.sp., de- scription, (34) 857.
androgeus, notes, (39) 59.	Paraleyrodes perseac, notes, (27) 455.
androgeus, notes, (39) 59. demoleus, notes, (34) 851.	Paralysis—
Spp., notes, (20) 000, 807.	in horses and cows due to ingestion of fodder,
thoas thoantiades, notes, (40) 62. Papilionaceae, oil content of seeds, (27) 716.	(29) 780. in lambs, relation to Dermacentor venustus,
Papilionidae of Japan, (26) 455.	(29) 482.
Pappataci fever in South America, (26) 656.	infectious bulbar, in Brazil, (28) 184.
Pappophorum—	of vestibular nerve in pigeons, etiology, (33) 279. Paramecium—
scabrum, analyses, (36) 334. scabrum, studies, (38) 66.	resistance to notessium evenid (40) 455
spp. analyses and digestibility, (27) 871; (32)	selection experiments, (39) 179.
167.	Paramelitensis, notes, (27) 681.
Paprika—	Paramphistomidae of North America, (38) 365.
adulteration, detection, (27) 497, 809; (30) 413.	solection experiments, (39) 179. Paramelitensis, notes, (27) 681. Paramphistomum sp. in Philippines, (37) 277. Paramyiocnema, new genus, description, (37) 569.
American-grown, (30) 343. ether extract of (26) 99.	Parana grass, cercopid enemy, (40) 856.
oxtracted, detection, (32) 612. methods of analysis, (27) 715. origin and composition, (29) 264. Para cymene, nitration, (40) 710.	Paranagrus n.g. and n.sp., descriptions, (37) 856.
methods of analysis, (27) 715.	Parandra brunnea—
origin and composition, (29) 264.	notes, (28) 156.
Para Cyntene, intration, (40) /10.	studies, (33) 457. Paranuclein, antigenic properties, (29) 174.
Para grass— composition, (27) 668.	Paranusia bifasciata n.sp., description, (31) 355.
composition, (27) 668; (28) 136, 735; (35) 829. culture experiments, (28) 136, 735; (35) 829. culture in Guam, (32) 731; (40) 327. culture in Philippines, (26) 361. digestibility, (27) 669; (37) 168. feeding value, (40) 366. hay onlysos (32) 862	Paraphelinus—
culture in Guam, (32) 731; (40) 327.	perkinsi n.sp., description, (38) 467.
culture in Philippines, (26) 361.	speciosissimus, studies, (36) 258. spp. of British Guiana, (38) 467.
digestibility, (27) 669; (37) 168.	tomaspidis n.sp., description, (31) 4.78.
her analyses (22) 262	Paraphonylendiamin, effect on milk, (20) 806.
hay, analyses, (32) 862. hay, chloroform extract of, (31) 71.	Paraplegia—
hay, mineral constituents, digestibility, (40)	enzootic, in sheep, (28) 183; (38) 687, 688.
769.	infectious, in horses, studies, (27) 188.
notes, (26) 362; (27) 336; (37) 29.	Paraptochus sellatus, notes, (32) 651. Pararabin, effect on horse serum (37) 376.
notes, (26) 362; (27) 336; (37) 29. silage from, (27) 872, yields, (29) 224.	Parasa latistriga, notes, (36) 654.
Para rubber, see Rubber.	Parascalops breweri, notes, (31) 154.
Parabolas, fitting of, (39) 179.	Parasetigena segregata—
Parabolocratus viridis, notes, (27) 859.	Parasetigana segregata— biology, (35) 253. notes, (27) 58.
Paracalocoris—	studies, (29) 760.
colon, notes, (30) 852.	Parasimulium n.g. and n.sp., description, (31) 254.
colon, oviposition, (34) 255.	Parasiorola cellularis, notes, (29) 253.
hawleyi, life history and remedies, (38) 559. nearctic species, (36) 654.	Parasite extracts, complement fixing reactions with
scrupeus, notes, (33) 252; (34) 752.	(28) 880. Parasites—see also Animal parasites. Insect para-
spp., notes, (30) 359.	sites, and specific forms.
Paracasein-	as affected by anthelmintics, (28) 80.
compounds, composition and properties, (29) 9.	genetic relationships, (33) 823. internal, in Queensland, (39) 556.
compounds, preparation and properties, (29) 805.	internal, of pigs, (33) 278.
digestibility as affected by rennin, (36) 559.	intestinal—
of cow's and goat's milk, cleavage, (27) 12.	detection, (34) 682.
of milk, tryptic and peptic cleavage, (26) 565.	of poultry, remedies, (38) 83.
preparation, (29) 11. Paracharitopus lecanii n.sp., description, (31) 355.	protection against digestive enzyms, (33)
Parachrysocharis—	478; (38) 582. toxins of, (34) 879.
javensis n.g. and n.sp., description, (37) 667.	vermituges for, (38) 883.
semiflava n.sp., description, (37) 570. Paraclemensia accrifoliella, notes, (28) 157.	minute hymenopterous, handling, (29) 658.
Paracolon infections in fowls, (40) 685.	notes, (29) 855. tropical, (38) 580.

Parasitic— infestation, effect of cold on, (40) 684.	Parks, bibliography, (26) 338. Parks, treatise, (36) 743.
specialization, digest of data, (32) 822. Parasiticides, lectures on, (30) 587.	Parlatoria— blanchardi, notes, (29) 255.
Parasitism—	blanchardi, remedies, (30) 358.
and Eosinophilia, (31) 276. and symbiosis, differentiation, (28) 35.	pegandei, see Chaff scale. proteus, notes, (28) 854.
in plants, studies, (26) 133. normal, studies, (38) 647.	zizyphus, notes, (32) 56. Parsley—
Parasitology—	as affected by formaldehyde, (26) 731
animal, treatise, (26) 174. laboratory guide, (30) 654.	cold frame disease of, (35) 847. culture, (26) 393.
of agricultural plants, treatise, (30) 536. domestic animals and man, treatise, (32)	seeds, large v. small, (31) 634.
777.	sheep's, notes, (30) 434. stalk weevil, notes, (30) 655.
domestic animals, treatise, (20) 882. treatise, (31) 177.	Parsnip— mildew, notes, (36) 541.
Paratetranychus citri, sec Citrus red spider. Paratettix, breeding experiments, (40) 367.	poison, toxicity, (29) 111. root knot, notes, (39) 52.
Parathyroid-	seed, production, (33) 226.
gland, effect on nitrogenous metabolism in sheep, (32) 562. gland of domestic animals, (29) 377.	soft rot, notes, (31) 641. webworm, see Depressaria heracliana.
gland of domestic animals, (29) 377.	Parsnips—
tetany in eats and dogs, (27) 787. Paratimia conicola n.g. and n.sp., description, (34)	culture experiments, (35) 341. fertilizer experiments, (26) 819; (30) 435.
254. Paratoxin, use against tuberculosis, (27) 682.	food value, (36) 863. mulching v. clean culture, (33) 534.
Paratrioza cockerelli—	winter storage, (38) 442.
noids, (35) 658. remedies, (40) 162.	Parthenium argentatum— constituents of. (27) 244.
remedics, (40) 162. studies, (37) 849. Paratuberculosis in bovines, notes, (28) 181.	culture experiments, (29) 443.
Paratyphoid—	rubber and resin content as affected by rainfall, (30) 744.
B bacillus detection in meat, (26) 480. B bacillus in healthy calves, (26) 381.	studies, (39) 216. Parthenocarpy—
B, studies, (40) 83. bacilli—	and seed formation in bananas, (31) 535.
equine, agglutination test, (40) 289. from hog-cholera cases, (40) 480.	In fruits, (34) 226. in Nicotiana, (34) 136.
from hog-cholera cases, (40) 480. relation to abortion in mares, (33) 183.	notes, (36) 331. Parthenogenesis—
vaccination with, (40) 289.	among fruit blossoms, (26) 540.
bacteria as causative agents of disease in birds, (40) 685.	heredity in, (32) 448. in higher plants, (38) 331.
bacteria in swine, (40) 783. diagnosis, (31) 878.	in higher plants, (38) 331. Nicotiana, (30) 224; (34) 136. plants, (30) 329; (34) 727.
enteritidis group, differentiation, (30) 188, 587.	tomatoes, (34) 233. various plants, (29) 837.
enteritidis group, studies, (40) 478, 780. fevers, evolution of, (39) 285.	various plants, (29) 837. relation to sex, (38) 261.
infection— detection (20) 881	rudimentary, in pheasants, (31) 765. Partridge—
in man and animals, relationship, (30) 181. notes, (28) 164.	berry, notes, (33) 143.
	peas as cover crop for orchards, (37) 833. Partridges—
investigations, (27) 378. Para-urazin assimilation by plants, (26) 32.	European or gray, propagation, (28) 752. handbook, (27) 774.
Parcel nosi	Hungarian, feeding habits, (30) 454.
for shipping eggs, (31) 370; (32) 572; (38) 72.	Hungarlan, in Missouri, (27) 550. Parturient apoplexy, paralysis or paresis, see Milli
business methods, (38) 805. for shipping eggs, (31) 370; (32, 572; (38) 72. marketing apples by, (36) 712. marketing by (31) 789; (34) 392, 690, 792; (36) 91. marketing experiments, (30) 593. Parchasting experiments, (30) 593.	fover.
marketing experiments, (30) 593.	Parturition, physiology of, (26) 277. Paspalum—
Parchment paper, examination, (30) 179. Pardianlomella ibseni, notes, (36) 155.	delmint hosporium n.sp. on (39) 218.
Parenchyma wood, formation after winter injury, (36) 431.	notes, (30) 220. dilatatum—
Parepyris sylvanidis n.sp., description, (31) 355. Paresis, parturient, see Milk fever.	as forage crop. (37) 132.
Parexorista—	as pasture grass, (30) 435; (35) 562; (40) 327. culture experiments, (28) 136; (35) 829; (37)
caridel n.sp., description, (40) 855.	730: (38) 827.
lucorum, parasitic on gipsy moth, (31) 652. Parhelia 90° from sun, (38) 210.	culture in Guam, (32) 731. culture in Porto Rico, (29) 631. culture in Rhodesia, (27) 32.
Parhelic circle at Fargo, N. Dak., (37) 115. Paria canellus, see Strawberry root worm.	culture in Rhodesia, (27) 32.
Paris green— analyses, (26) 65, 324, 715; (27) 441; (28) 493, 626;	fertilizer experiments, (27) 32. in New Zealand, (40) 239. poisoning cattle, (39) 801.
(30) 697; (31) 49, 142; (32) 169; (33) 47; (34) 436, 639; (37) 243; (39) 240.	root disease of, (29) 152.
639; (37) 243; (39) 240. combined arsenious oxid in, (26) 658.	root disease of, (29) 152. root system. (36) 438. varieties. (27) 32.
effect on sugar cane roots, (38) 238.	varietics, (27) 32. marginatum, notes, (30) 229.
insecticidal value, (32) 158. methods of analysis, (32) 296; (36) 715.	poisoning in cattle, (34) 676.
preparation, (40) 801.	scrobiculatum, analyses, (30) 565. spp., analyses, (31) 431, 863.
preparation and properties, (28) 308. scald of tobacco plants by, (34) 351.	SDD., culture experiments, (27) 234.
use, (32) 632. use on tobacco, (26) 638.	SDD., culture in Hawaii, (32) 729.
Park system for Chattanooga, (26) 338. Parkinsonia—	spp., of Java, (30) 525; (35) 440. spp., notes, (26) 362. stoloniferum, distribution of stomata in, (32)
africana, analyses and bibliography, (32) 187.	221,
microphylla, transpiration in, (34) 728.	varieties, (30) 434.

SUBJECT INDEX

Passalora heven n.sp., notes, (30) 453; (34) 442; (38)	Pastures—Continued.
356.	carrying-capacity tests, (39) 879.
Passer domesticus—	composition of herbage, (37) 230. coyote-proof, for sheep, (26) 73.
destruction of locusts by, (28) 351. feeding habits, (28) 450.	culture experiments. (30) 133.
Passerculus sandwichensis savanna, destruction of	dry land, notes, (30) 435.
grain aphids by, (29, 452.	
Passerherbulus and its allies, (38) 556.	fertilizer experiments, (26) 40, 533, 534, 629; (27) 234, 638, 834; (29) 517, 632, 728; (30) 73, 83; (31) 470, 821, 829; (32) 368; (38) 227, 527, (36) 31; (36) 425, 735, 740, 829; (38) 432; (39) 22,
Passeriformes, new pycnonotine family, (38) 856. Passeromyia heterochaeta, notes, (36) 359.	(31) 470, 821, 829; (32) 368; (33) 227, 527; (35)
Passiflora—	31; (36) 425, 735, 740, 829; (38) 432; (39) 22,
caerulea, formation of mechanical tissue in, (27)	
631.	for cows, (37) 271; (40) 575. irrigated lands, (32) 628.
edulis as trap for fruit flies, (29) 657. laurifolia, cold storage of, (32) 439.	pigs, (31) 470.
teratological variations in, (32) 35.	pigs in the South, (39) 479. the cotton belt, (32) 534.
Passion—	the cotton belt, (32) 534.
fruit brown spot, notes, (34) 644.	work horses, (39) 479. importance in dairying, (32) 870. improvement, (26) 533; (37) 230.
fruit weevil, notes, (26) 657. vine beetle, notes, (40) 654.	improvement, (26) 533; (37) 230.
Pasta Callaro, tests, (28) 245.	in Manitoda and Saskatchewan, (36) 437.
Paste and pastry, methods of analysis, (32) 505.	National Forests, (35) 167. New England, (33) 526.
Pastes, Italian, analyses, (28) 450. Pasteurella—	southeastern England, nutritive value and
equine, relation to equine influenza, (26) 587.	fertility, (32) 121.
studies, (31) 381.	southeastern Unio, (36) 34.
Pasteurellosis— in reindeer, studies, (31) 381.	Wyoming, (39) 135. insects affecting, (37) 847.
in sheep, (29) 17)	irrigated—
Doctouriestion-see also Crosm. Milk. etc.	clipping experiments, (38) 30.
colon test of efficiency, (32) 775.	establishing, (38) 130; (39) 834, grasses for, (36) 132; (38) 337; (39) 434; (40)
colon test of efficiency, (32) 775. effect on mold spores, (35) 276. effect on streptococt, (31) 574. for butter making, (27) 179. of ere um, studies, (33) 473. milk, (28) 275, 282, 283; (27) 178, 281.	432.
for butter making, (27) 179.	management, (35) 734; (37) 640.
of cre im, studies, (33) 473.	notes, (40) 374. tests, (38) 175.
milk, (26) 275, 282, 283; (27) 178, 281.	3701110 (36) 173
milk and cream, (31) 188. milk, efficiency, (27) 178.	lowland moor, management, (37) 333.
resistance of factic acid dacteria to, (33) 673.	lowland moor, management, (37) 333. management, (31) 37; (33) 527. management in Kansas, (39) 439; (40) 330.
résumé, (31) 674. Pasteurizer, home, construction, (31) 771.	management in Kansas, (39) 439; (40) 330.
Pasteurizer, nome, construction, (31) 771.	management in Sweden, (39) 633. moorland, treatise, (31) 830.
Pastry— and hygiene, paper on, (32) 760.	of central France, improvement, (30) 733.
and hygiene, paper on, (32) 760. as source of infection, (20) 552.	of German East Africa, (28) 364.
detection of milk in, (40) 512.	on peat soils, (38) 134. peaty, fortilizer experiments, (37) 134.
Pasture— crops—	permanent, (38) 796.
for cut-over lands, (39) 230.	permanent, (38) 796. permanent, formation, (37) 826.
for growing pigs and broad sows, (30) 100.	phosphates for, (31) 174. planting and care, (30) 829.
handbook, (29) 530. trials, (39) 130, 434.	preparation and care. (30) 230.
utilization, (39) 880.	preparation and care, (30) 230. seeding, (31) 830; (33) 33.
experiments, (40) 32.	sneep-carrying capacity, (30) 770.
Ses—	stump-land, tests, (38) 176. top dressing, (27) 599.
analyses, (33) 227. composition as affected by fertilizers, (27)	watering devices for, (33) 188.
125.	Pasturing experiments on irrigated fields, (40) 371.
culture in New York, (39) 532.	Pataleta, notes, (30) 783. Patellina—
for Texas (37) 827.	fragarine n.sp., description, (36) 452.
fall sowing, (33) 98. for Texas, (37) 827. in Guam, (40) 327.	sp. on strawberries, (33) 744.
mixtures for, (31) 37; (32) 566; (33) 430. mixtures for New Zealand conditions, (39)	Patent medicines—
S35.	composition, (40) 182. examination, (37) 63.
mixtures, notes, (34) 95.	notes, (32) 661.
mixtures, notes, (34) 95. mixtures, tests, (27) 735; (37) 533; (38) 30; (40) 72, 374.	Pathological technique, treatise, (26) 276; (40) 676.
(40) 72, 374.	Pathology— chemical studies, (40) 201.
native, of United States, (33) 227. tests, (40) 72, 374, 432.	chemical, treatise, (39) 79.
water requirements, (33) 228. herbs, indigenous to Australia, (26) 830.	of man and animals, treaties, (33) 476.
herbs, indigenous to Australia, (26) 830.	papers on (29) 676. papers on from Rockefeller Institute, (33) 279.
land, Alpine, in Italy, (27) 276. land, crane fly affecting, (28) 160.	special, guide, (36) 378.
land in United States, (39) 192.	studies. (31) 277.
land, old, improvement, (40) 824.	tables of statistical error, (26) 778.
land, renovation, (26) 436. plants, root systems of, (35) 639.	textbook, (27) 576. treatise, (28) 178; (29) 174; (31) 276; (32) 78, 270.
problems, papers on, (40) 300.	Patns, roads, and bridges, treatise, (27) 087.
region east of Rockies, climatic leatures, (40)	Patriotic Farmers' Fund in New Jersey, (40) 490.
117.	Patrogenesis in plant hybrids, (36) 28. Patrons of Husbandry, history, (36) 688.
region of United States, climatic and edaphic factors, (39) 735.	Patterns, drafting, (30) 462.
solls. English work on, (28) 216.	Patterns, drafting, (30) 462. Patwa, culture and improvement, (28) 633.
survey of West Virginia, (39) 169.	Pavements—see also Concrete and Rosas.
Pastures—see also Grassland and Mendows. Alpine, effect on milk production, (28) 774.	and paving materials, treatise, (31) 385. and roads, textbook, (28) 84.
Alpine, in Province of Como, (28) 364.	hituminous, paper on (26) 890.
Alpine, treatise, (26) 130.	brick. (40) 888.
and meadows, treatise, (26) 830.	brick, construction, (35) 188. brick, monolithic construction, (36) 384.
average condition by months, (39) 811.	manney address and

Domestin Goodford	Tr 1
Pavements—Continued. coment-concrete, cracks in (37) 88.	Peach—and almond graft hybrid, description, (29) 838.
concrete—	aphis—
and brick, tests, (30) 387.	black, notes, (38) 463.
construction, (27) 386; (35) 390. cracking and buckling, (38) 891.	black, remedies, (38) 358.
design, (36) 890.	green, notes, (26) 755; (32) 753; (35) 54;
design, (36) 890. failure of, (30) 386.	giern, notes, (26) 755; (32) 753; (35) 54; (38) 462.
stresses on, (31) 186. treatise, (30) 386.	green remedies, (27) 356.
use of hydrated lime in, (31) 387.	green, wing development, (40) 456. life history and remedies, (30) 156.
construction, (33) 782.	as rootstock, tests, (40) 415.
construction and maintenance, (27) 189.	bacterial spot, treatment, (37) 842.
construction, treatise, (36) 285. economy of various types, (34) 484.	bark beetle, studies, (31) 852.
for heavy traffic roads, (33) 290.	California, studies, (26) 61.
macadam and concrete, (36) 188. monolithic, in Vermilion County, Illinois,	California, studies, (26) 61. control in West Virginia, (35) 657. eastern, notes, (26) 452; (28) 853.
monolithic, in Vermilion County, Illinois,	eastern, notes, (26) 452; (28) 853.
(36) 188. rock-asphalt, construction, (29) 591.	lesser, life history, (32) 349. lesser, notes, (36) 549.
small cube, tests, (30) 689.	lesser, studies, (37) 159, 396.
specifications, handbook, (29) 387.	mechanical protector for, (33) 858.
treatise, (31) 90. Pavetta spp.—	notes, (26) 150, 857; (27) 755; (28) 752; (31) 848; (37) 158, 159.
nigrogen-fixing bacteria in leaves, (27) 225.	protector, (39) 343.
symbiosis with bacteria, (32) 327.	remedies, (21) 54; (28) 595; (50) 555; (32) 551;
Paving— block oil, specifications, (26) 544.	(36) 855; (38) 261, 861; (40) 162.
blocks, preservation, (33) 544.	studies, (30) 659; (34) 161; (36) 857; (39) 765; (40) 166, 167.
blocks, wood, improving strength of, (28) 411. brick, tests, (35) 390.	brown rot—
brick, tests, (35) 390.	canker, studies, (29) 848. control, (40) 749, 851.
brick, wire cut and re-pressed, tests, (31) 687. cements, asphalt, specifications, (30) 290.	control, (40) 749, 851.
Pavonia procumbens, variation in, (39) 231.	dusting, (40) 445. notes, (35) 351.
Pea, see also Peas.	studiós, (32) 751. brown rust, treatment, (28) 652; (38) 454; (39)
and out silage, notes, (27) 736; (37) 75. aphis—	brown rust, treatment, (28) 652; (38) 454; (39)
control by lady beetles, (34) 555.	345, 349. bud mite, notes. (26) 759.
green, investigations, (35) 461.	bud mitt, notes, (26) 759. buds, analyses, (31) 837.
green, remedies, (32) 652.	Duds, resistance to trost, (30) 839.
remedies, (30) 654. studies, (34) 62.	buds, winter injury to (35) 143; (36) 341. cankers, notes, (32) 241.
synonymy, (35) 256. bacterial disease, studies, (39) 147.	Coryneum rust, notes, (33) 549.
bacterial disease, studies, (39) 147.	crown gall, inoculation experiments, (29) 449.
blight, notes, (32) 544. blight, studies, (28) 844; (29) 447; (33) 344.	curl, notes, (32) 544; (40) 748. die-back or winterkilling, notes, (30) 537.
blight, treatment, (31) 840; (35) 545. bran, analyses, (26) 714; (36) 765; (38) 368;	disease, little, (36) 849; (37) 753; (39) 750.
bran, analyses, (26) 714; (36) 765; (38) 368;	disease, little, (36) 849; (37) 755; (39) 756. disease, new, (39) 151.
(40) 571. chink, notes, (40) 165.	disease, notes, (27) 349. diseases—
collar disease, studies, (36) 749.	and pests in Georgia, (35) 447.
diseases, notes, (27) 45; (38) 48; (39) 52, 354, 453,	and pests in Georgia, (35) 447. and pests, treatment, (38) 843.
850; (40) 845. diseases, treatment, (32) 545	description, (31) 449.
500; (40) 45. diseases, treatment, (32) 545. feed, analyses, (2") 170. flour, agglutinating properties, (31) 774. flour bread, studies, (40) 762. flour, digestibility of protein, (33) 564. forage, elfect on milk and butter, (31) 570. Fuggium with studies, (30) 883.	description and treatment, (27) 539. in Arkansus. (39) 756.
flour, agglutinating properties, (31) 774.	in Arkansas, (39) 756. in Ontario, (36) 141.
flour digestibility of protein (33) 564	in Ontario, (36) 141. notes, (26) 55, 137, 230, 742, 844; (27) 452, 652, 819; (31) 644; (32) 641; (33) 741; (36) 750; (38) 50, 550; (39) 345, 349, 353; (40) 249, 251. spray calendar for, (26) 530. studies, (32) 441, 751; (33) 544. treatment, (27) 855; (28) 144; (29) 146; (30) 344; (31) 843; (32) 51; (33) 349; (37) 51.
forage, effect on milk and butter, (31) 570.	(38) 50, 550; (39) 345, 349, 353; (40) 249, 251.
Fusarium wilt, studies, (39) 853. hay, analyses, (34) 409.	spray calendar for, (26) 530.
hay, analyses, (34) 409.	studies, (32) 441, 751; (33) 544.
hay, veiny, analyses, (33) 759. hulls, analyses, (27) 170.	344: (31) 843: (32) 51: (33) 349: (37) 51.
leaf spot, treatment, (33) 846.	drop discuss, studies, (33) 445. drying industry in Chile, (27) 313.
leaf spot, freatment, (33) 846. meal, analyses, (26) 165, 665, 666; (27) 775; (28) 364; (30) 68; (33) 371; (35) 867; (38) 67.	drying industry in Chile, (27) 313.
mildew, notes, (32) 544.	flowers, polymorphism in, (28) 540. fly, notes, (30) 757.
pods, analyses, (38) 626.	foliage, studies, (26) 407.
protein, nutritive value, (39) 666.	fruit buds, winter injuries, (28) 710, 741.
roots, absorption and exerction of salts by, (26) 624.	gummosis, hacterial, (39) 151.
seedlings as affected by ultraviolet rays, (26) 430.	gummosis, cause, (27) 350. gummosis, notes, (28) 246.
seeds, large v. small, (31) 634.	heart rot, notes, (38) 646. industry around Vineland, N. J., (32) 534.
silage, acidity, (39) 310, 878. sitonid, notes, (40) 358.	juice, preparation, (33) 316.
soup, examination, (31) 659.	juices, studies, (29) 711.
starch, studies, (31) 828.	kernels, hydrocyanic acid content, (28) 477.
straw, composition and digestibility, (34) 565.	kernels, microscopic identification, (28) 565.
thrips, notes (31) 59; (32) 448, 848; (37) 257. thrips, studies, (34) 450.	leaf— and twig curl, notes, (36) 647.
tree, Siberian, culture in Alaska, (29) 743. vine hay, analyses, (26) 714.	and twig tun, notes, top 21. curl fungus, treatment, (28) 144. curl, notes, (30) 333, 647, 750; (34) 144; (36) 347; (38) 546, 848; (39) 146. curl, studies, (33) 347; (37) 250, 655. curl, treatment, (28) 152; (30) 50; (32) 241; (34) 248; (35) 457, 753; (40) 48, 348, 749.
vine hay, analyses, (26) 714.	curl, notes, (30) 353, 647, 750; (34) 144; (36)
weevils— biology and control, (39) 363.	eurl, studies, (33) 347; (37) 250, 655.
descriptions and remedies, (40) 64.	curl, treatment, (28) 152; (30) 50; (32) 241;
descriptions and romedies, (40) 64. in British Columbia, (37) 459. in Hawaiian Islands, (40) 266. in South Africa, (40) 861.	(34) 248; (35) 457, 753; (40) 48, 348, 749.
in South Africa. (40) 861.	glands, taxonomic value and structure, (34) 739.
leaf-eating, biology, (34) 65. studies, (36) 855.	rust, description, (28) 549.
studies, (36) 855.	weevil, notes, (36) 549.
summary of information, (40) 170.	leaves, chlorophyll compounds cf. (32) 823

Peach—Continued.	Peaches—Continued.
leaves, free hydrocyanic acid in, (27) 635. mildew, inoculation experiments, (33) 647	cambial activity, (37) 127. classification, (28) 145.
mildew, notes, (36) 541.	cold storage experiments, (28) 740.
mildew, studies, (33) 347, 447	composition as affected by—
mold, notes, (31) 539. moth, oriental, see Laspeyresia molesta.	brown rot, (32) 751. irrigation, (29) 236.
nemitode 100t disease, notes, (25) 235.	correlation between flower and fruit, (29) 424.
nursery stock die back and gumming, (34) 646.	cost of precooling, (34) 637.
orchards, cure and in inagement, (35) 447	cost of production, (29) 439; (34) 344, 739; (36)
orchards, winter heating, (33) 795. package law in New Jersey, (34) 639	42; (37) 42.
pollen, trost resistance of, (29) 437.	critical months, (39) 811. crossbreeding experiments, (36) 742.
pollen, trost resist moe of, (29) 437. pollen, viability, (32) 531; (34) 144. powdery mildew, treatment, (36) 350	crown gall affecting, (28) 447.
powdery iniidew, tientilent, (36) 350	crown fail resistance in. (36) 352.
rosette and its control, (4J) 158. rust, notes, (37) 453.	culture, (28) 742; (30) 643; (32) 338, 751; (38) 844.
rust, treatment, (2) 351; (31) 53; (40) 318.	
sawny, notes, (26) 856.	experiments, (28) 142; (34) 141; (36) 837; (38) 212; (39) 317; (40) 444.
and bacteriosis, notes, (30) 315.	in Alabama, (26) 137.
artificial production, (31) 149.	Argentina, (29) 541. Egypt, (31) 232.
dusting experiments, (39) 55.	GH un, (30) 41.
in Netherlands, (36) 649.	Indiana, (27) 152; (38) 246.
studies, (36) 545. treatment, (33) 247; (34) 146; (29) 349; (40)	Maryl ind, (26) 742 Mesa County, Colo , (37) 241.
445.	Michigan, (30) 143.
scale, European, see Lecanium persicae scale, notes, (38) 464. scale, West Indian—	New Jersey, (28) 341.
scale, West Indian-	Ne v York, (21) 239; (35) 836. Ontario, (27) 539; (30) 140.
control, (23) 452; (32) 755; (34) 456; (36) 355.	southern Texas. (32) 5.9
control in Italy, (29) 851.	southern Utah, (30) 41, 142
control, (23) 452; (32) 755; (34) 456; (36) 355. control in Italy, (29) 851. host plants of, (26) 218. in Argentina, (26) 452; (27) 556; (37) 358. notes, (30) 655; (32) 847. parasites of, (27) 457; (39) 465. seed weevil, notes, (27) 255.	southern Tevas, (32) 5,9 southern Utah, (30) 41, 142 the Ozarks, (29) 247. Uruguay, (32) 745. Utah, (33) 6,8.
notes. (30) 655; (32) 847.	Utah. (33) 618.
parasites of, (27) 455; (39) 465.	Virginia, (33) 641
seed weevil, notes, (27) 255.	West Virginia, (30) 114.
shipping crates, press for, (37) 490. shot-hole disease, bacterial, (39) 552. skins, isolation of fat from, (29) 459.	Virginia, (33) 641 West Virginia, (30) 144. iteatise, (30) 12, (40) 149 destruction, (26) 334. double, (39) 746.
skins, isolation of fat from, (29) 459.	double, (39) 746.
slug, studies, (26) 152.	dried, maryses, (30) 801.
soils of Massachusetts and Connecticut, (32)	dried, inoculation experiments with brown rot
spot, notes, (40) 53.	fungus, (33) 217. dried, preparation and use, (29) 462.
stem canker, notes, (29) 517.	dry fig beetle on, (40) 853 drying, (27) 140; (37) 114, 509, 715. dust v. liquid spraying, (37) 42, 832.
stones, histological characteristics, (21) 112.	drying, (27) 140; (37) 114, 509, 715.
stones, hydrocyanic acid content, (27) 12. stop-back, notes, (28) 159; (31) 650.	dusting experiments, (38) 541, 546; (39) 349; (40)
stop-back, relation to tarnished plant bug. (29)	445.
354; (40) 455.	effect of axillary shoot on development and com-
tip moth, notes, (31) 653.	position, (32) 837. Elberta, bud sport, (36) 837.
tree bark beetle, notes, (36) 258. tree blight, notes, (26) 147.	factors determining color and size. (31) 440.
tree trunks, introduction of solutions into, (36)	fall v. spring planting, (26) 238. fertilizer experiments, (31) 335; (32) 635; (33) 236, \$10; (35) 238, 239, 837; (37) 40, 743; (38) 42, 639;
740. tree wounds, painting. (35) 446.	1ertilizer experiments, (31) 335; (32) 635; (33) 236, 840- (35) 232, 230, 837- (37) 40, 742- (39) 49, 830-
trees, injuries by poultry, (34) 144.	(39) 139, 317.
trees, injuries by poultry, (34) 144. twig borer, remedies, (27) 356.	floral biology, (35) 436.
twig miner, notes, (35) 253.	flower and fruit color in, (35) 36.
twig moth— life history and remedies, (31) 134.	flower thrips affecting, (33) 744. fruit stocks for, (38) 315.
notes, (27) 857; (31) 848; (32) 651; (10) 756	grading, (35) 542.
studies, (35) 258; (40) 853	graphic summary of seasonal work, (39) 495. green, anaerobic respiration, (29) 538.
weevil, oviposition, (39) 363. worm, striped, biology and remedies, (38) 361.	harvesting and packing, (35) 743.
yellows	host plant of fruit fly, (25) 758.
and little peach, (32) 314; (38) 546.	improvement by bud selections, (28) 541,
control, (40) 158. distribution in nursery stock, (28) 639.	infection with Cladosporium carpophilum, (33) 349.
notes, (26) 850; (30) 349.	injury by cold, (26) 749; (37) 344; (39) 745.
relation to pruning, (39) 255.	inoculation experiments with brown rot fungus,
studies, (28) 148; (31) 544; (36) 849; (37) 755; (39) 756.	(33) 247. insects affecting, (26) 137, 712; (27) 452; (35) 447;
Peaches—	(36) (41: (38) 160 843
abnormalities, (36) 837.	irrigation experiments, (33) 683; (35) 143.
acidity, (32) 110; (37) 714. adaptation and variety tests, (29) 41.	June drop of, (34) 144. killing by freezing, (32) 42.
as affected by—	Lepidoptera infesting, (40) 756.
boron, (39) 429.	localization of paids and suggest in (36) 110
fertilizers, (29) 40.	marketing, (33) 440. marketing in New York, (35) 743. new, description, (29) 838; (31) 337; (33) 238; (35) 37.
lime-sulphur mixture, (29) 640. Bacterium pruni on, (40) 638.	new, description, (29) 838; (31) 337; (33) 238;
blooming and ripening period, (28) 639; (40) 836.	(35) 37,
blooming dates in Utah, (39) 40.	new insect onemy of, (36) 358. nursery disease of, (33) 248. of New York, monograph, (35) 42. packing, (23) 227; (38) 43.
breeding, (39) 541. breeding experiments, (35) 837; (36) 837; (39) 746.	of New York, monograph. (38) 42.
bud variation in, (26) 46.	packing, (23) 237; (38) 43.
budding experiments, (33) 538.	packing and shipping, (34) 639.

Peaches—Continued.	Peanut-Continued.
pear thrips affecting, (27) 156.	cake—continued.
peeling, chemical process, (39) 510. picking and handling, (34) 437, 739.	fertilizing value, (33) 131; (38) 220, 527, for cows, (20) 577.
plant food removed by, (36) 39.	for steers, (37) 109.
planting costs, (38) 11. planting with dynamite, (32) 535; (35) 236.	nutritive value, (28) 673. sugar content, (37) 208.
planting with dynamite, (32) 535; (35) 236. pollination experiments, (34) 233.	disease, description, (30) 243.
precooling experiments, (35) 40. preservation by pressure, (32) 416.	diseases— in West Indies, (37) 452.
preservation by pressure, (32) 416. production in West Vu ginia, (37) 745.	in West Indies, (37) 452. notes, (29) 347; (34) 744; (39) 146, 453, 548.
pruning, (30) 739; (32) 537; (39) 541. pruning—	studies, (32) 546; (33) 245. flour, analyses, (39) 870.
and training, (37) 344.	nour, digestibility, (39) 871.
at time of planting, (36) 41. experiments, (30) 838; (38) 43; (39) 344. in summor, (31) 837. Ray, description, (20) 541.	flour, manufacture and composition, (40) 268. flour, recipes, (39) 207.
in summer, (31) 837.	fungus disease, (31) 641.
Ray, description, (26) 541. reducing and nonreducing sugars in, (29) 503.	hav and hulls, nuneral constituents, digesti-
	fungus disease, (31) 641. fungus disease, treatment, (29) 748. hay and hulls, nuneral constituents, digestibility, (40) 769. bay, chloroform extract of, (31) 71.
retrogressive metamorphosis in, (27) 230.	hay, chloroform extract of, (31) 71.
seedling, variation in, (30) 144.	hay, composition, (27) 668. hay, digestibility, (27) 669. hay, ground, analyses, (38) 869; (40) 571. hearts, analyses, (30) 868.
self-fertility and self-sterility in, (31) 335.	hay, ground, analyses, (35) 369; (40) 571. hearts, analyses, (30) 868.
respiration in gases, (29) 135. retrogressive metamorphosis in, (27) 230. "salmon fly" injury, (39) 257. seedling, variation in, (30) 144. self-fertility and self-sterlity in, (31) 335. self-fertility of, (33) 236. shipping experiments, (35) 646. smudging experiments, (33) 440. sodium nitrate for, (30) 328. spray schedules, (30) 39, 140, 242. spraying, (33) 439, 538; (37) 251, 744; (38) 550; (39) 358.	hulls, analyses, (26) 568.
smudging experiments, (33) 440.	hulls, analyses, (26) 568. hulls and hay, digestibility and productive value, (37) 865.
spray schedules, (30) 39, 140, 242.	industry, status of, (39) 442. leaf curl, notes, (36) 847
spraying, (33) 439, 538; (37) 251, 744; (38) 550; (39) 358.	leaf curl, notes, (36) 847
spraying experiments, (27) 143, 439; (28) 436,	leaf rust, notes, (40) 155. leaf rust, treatment, (32) 642; (34) 746; (35) 44;
spraying experiments, (27) 143, 439; (28) 436, 652, 740; (34) 146; (35) 343; (39) 345. spraying v. dusting, (32) 550. stocks for, (32) 337. stones and skins, analyses, (38) 626. spraying the control of	(37) 550.
stocks for, (32) 337.	leaf spot, notes, (39) 453. leaf spot, studies, (34) 645.
stones and skins, analyses, (38) 626.	meal—
sulphur paste as a spray for, (36) 351. summer spraying, (29) 146.	analyses, (26) 568; (30) 268; (31) 864; (33) 170, 870; (34) 263, 467, 665; (35) 562, 867; (36) 65,
supply and distribution in 1914, (34) 149.	167, 667, 765; (38) 67, 369, 572, 665; (39) 270; (40) 571, 665.
temperatures injurious to, (27) 413, 439. Texas wild, description, (30) 41.	bacterial flora of, (32) 75.
thinning experiments. (37) 448; (39) 344.	effect on composition of milk, (26) 273.
thrips injuring, (40) 650. tree census in Washington, (40) 340.	effect on lard, (40) 772. feeding value, (39) 176, 371, 374, 376, 482, 576,
varietics, (28) 436; (34) 737; (36) 837; (37) 241,	feeding value, (39) 176, 371, 374, 376, 482, 576, 577, 674, 778, 784, (40) 75, 278, 279, 874.
832; (38) 41. varieties—	for chicks, (37) 682. for poultry, (39) 176, 376.
and classification, (39) 141.	for poultry, (39) 176, 376. palatability and nutritive value, (38) 66.
Australian, (39) 844. blooming and ripening periods, (40) 836.	offal, analyses, (38) 572. oil—
blooming and ripening periods, (40) 836. for central New York, (26) 336.	cake feed, analyses, (40) 571.
home orchard, (40) 341. New Jersey, (33) 439.	chemical and physiological tests, (33) 362. detection, (27) 207; (29) 613; (36) 414. detection in oils and fats, (38) 615.
New Jersey, (33) 439. Ohio, (37) 241.	detection in oils and fats, (38) 615.
Pacific Northwest, (29) 745 Pennsylvania, (28) 742; (34) 149.	detection in olive oil, (30) 14. determination, (30) 209.
growth records, (40) 444. in Oklahoma, (27) 241.	determination in mixtures, (37) 312.
resistant to disease, (27) 849; (29) 246.	digestibility, (36) 860. hardened, analyses and digestibility, (33)
susceptible or resistant to cold injury, (39)	564.
745. winter injury, (40) 348, 835.	manufacture, (35) 806; (39) 9. physical constants, (35) 312.
winter-injured, pruning, (40) 835.	production and consumption in United
Peacock, and— domestic hen, hybrid, notes (30) 471.	States, (40) 614. production and use, (37) 511.
guinea fowl hybrids, notes, (33) 575.	production and use, (37) 511. refractive index, (27) 614.
peanut— bacterial disease, notes, (29) 448, 646.	press cake, analyses, (40) 72.
bacterial disease, studies, (34) 52. bran, analyses, (28) 286. bran and meal, analyses, (30) 68. bran and shells, methods of analysis, (29) 311.	specific heat, (40) 68. press cake, analyses, (40) 72. proteins, chemistry of, (37) 8, 468, 501; (40) 109. Rhizoctonia diseases, notes, (30) 845.
bran and meal, analyses, (30) 68.	root rot, notes, (29) 445.
bran and shells, methods of analysis, (29) 311.	root rot, notes, (29) 445. rust, treatment, (39) 548. shells, analyses, (38) 626.
bran as feeding stuff, (30) 371. butter, bacteriology of, (40) 14.	sneus, iertilizing value, (33) 131.
butter, examination, (33) 04.	skins and meal, analyses, (39) 773.
butter, manufacture, (28) 24. by-products, composition and feeding value,	stalks, fertilizing value, (33) 131. straw, analyses, (37) 234.
(39) 473.	tikka disease, (31) 243; (34) 50; (39) 140; (40) 40.
cake- acidity, (32) 259; (35) 770.	vines, ground, analyses, (34) 767. wilt, notes, (39) 52; (40) 348.
analyses, (26) 266, 267, 363, 369, 468; (27) 570,	wilt, studies, (37) 49.
acidity, (32) 259; (35) 770. analyses, (26) 266, 267, 363, 369, 468; (27) 570, 872; (28) 364; (30) 268, 467; (31) 467, 833; (33) 870; (34) 72; (36) 572; (38) 369, 572. determination in feeding stuffs, (35) 504. effect on composition of butter, (86) 875.	Peanuts— amino acid in, (33) 665.
determination in feeding stuffs, (35) 504.	analyses, (26) 132, 233; (31) 528, 833; (35) 806. as grazing crop for pigs, (37) 679.
shede on hork and puccer, (34) are.	green manure, (32) 41, 423. hog pasture, (39) 373.
effect on milk production and quality, (28)	nog pasture, (39) 873.
478, feeding value, (26) 468; (29) 869; (34) 371;	host of curlew bug, (27) 162. silage crop, (31) 829.
(38) 572.	wheat substitute, (39) 267, 870.

Peanuts-Continued.	Pear-
ash analyses, (29) 861.	aphis, false, remedies, (36) 855.
Bambarra, culture experiments, (27) 233. breeding experiments, (26) 435; (40) 624.	aphis. woolly; alternate hosts, (39) 464. aphis, woolly, studies, (35) 463; (37) 661; (38)
composition and feeding value, (39) 473.	560.
composition and nutritive value, (34) 565. critical period of growing season, (39) 811.	bacterial blight, relation to Scolytus rugulosus, (26) 114.
culture, (30) 335; (32) 226; (34) 630; (35) 34; (37)	bark spot, brown, (39) 251.
234. culture—	black scab, treatment, (31) 150. black spot canker, (35) 696.
and recines. (34) 859	black spot, notes, (30) 541. black spot, treatment, (31) 53; (40) 748, 849.
and utilization, (33) 438. experiments, (26) 422; (27) 136, 430, 638; (28) 136, 735; (30) 229, 632, 735; (31) 733, 829; (32) 227; (33) 227; (35) 135; (36) 830; (37) 734; (38) 336, 635, 827, 830, 832; (39) 128, 230,	blight—
136, 735; (30) 229, 632, 735; (31) 733, 829;	beetle, notes, (29) 158; (36) 258
734; (38) 336, 635, 827, 830, 832; (39) 128, 230,	beetle, notes, (29) 158; (30) 258 beetle, studies, (31) 872, control, (40) 151.
002, (40) 209.	description and treatment, (31) 53. distribution, (33) 149.
experiments in Fiji, (40) 231. experiments in India, (40) 332, 625, 825.	in mountain countries, (40) 252.
in Rolgion Kongo (21) 41	in mountain countries, (40) 252. notes, (29) 247; (30) 245; (31) 644, 744, 843; (33) 53, 534; (34) 351, 647, 648, 739; (96) 849;
cotton belt, (33) 40; (37) 442.	(37) 52, 755, 846; (38) 47, 848,
Egypt, (37) 138.	resistance to, (38) 350.
India. (28) 736.	resistant varieties, (33) 53, C10; (35) 447. studies, (34) 647; (37) 36; (36) 351; (38) 650;
Burma, (29) 736. Burma, (29) 736. cotton belt, (33) 40; (37) 442. Egypt, (37) 188. Guam, (32) 731. Indua, (28) 736. Kamerun, (26) 132.	(40) 318.
	treatment, (27) 353; (38, 545; (39) 150. blister disease, notes, (34) 543.
Philippines, (26) 361; (36) 231; (40) 231. Rhodesia, (27) 32, 637; (40) 825. southern France, (40) 36.	blossom bacıllus, notes, (40) 749.
Tucuman, (37) 134.	blossom, bacterial blight, (39) 149, 252, 850 blossom bacterial disease, notes, (32) 148.
Tucuman. (37) 134. Virginia, (39) 33.	Diossom weevii in Bess trania, (38) 163.
under dry farming, (30) 435. description, (30) 828. digestibility and productive value, (37) 865. distribution of autrogen in, (36) 269. effect on nitrogen content of soils, (31) 733.	branch blister disease, not s, (37) 842. brown blotch, studies, (46) 149; (40) 451. brown rot, studies, (35) 248.
digestibility and productive value, (37) 863.	brown rot, studies, (35) 248.
effect on nitrogen content of soils. (31) 733.	
effect on succeeding crops, (37) 234. fertilizer experiments, (26) 422, 631; (27) 430; (28) 828; (30) 34, 523, 820; (31) 421, 829; (37) 233, 825; (38) 336; (39) 33; (40) 230, 231, 239, 323, 624, 625,	buds, resistance to flost, (30) 839.
828: (30) 34. 525. 820: (31) 421. 829: (37) 233. 825:	chlorosis, investigations, (32) 238,
(38) 336; (39) 33; (40) 230, 231, 239, 323, 624, 625,	buds, analyses, (31) 831. buds, resustance to fost, (30) 839. canker, description, (32) 23s. chlorosis, investigations, (37) 52. chlorosis, treatment, (27) 48; (28) 151, 147; (30)
825. food uses of, (28) 258.	disease, new, description, (31) 53.
food value and preparation, (38) 567.	diseases in New Jersey, (34) 147. diseases in New Youth Wales, (34) 247. diseases, notes, (28) 55, 544; (32) 641; (33) 447, 741; (35) 249; (37) 51; (35) 50; (40) 53, 251.
food value and recipes, (40) 557. for pigs, (31) 769; (37) 367; (39) 174, 671.	diseases, notes, (26) 55, 514; (82) 641; (83) 447.
formation of oil in, (32) 427.	741; (35) 249; (37) 51; (35) 50; (40) 53, 251.
grazing-off v. marketing, (40) 667. green manuring experiments, (37) 734.	diseases, studies, (26) 449. diseases, treatment, (33) 349; (37) 51.
green manuring experiments, (37) 734. harvesting and storing, (38) 235.	diseases, treatment, (33) 319; (37) 51. fire blight, control, (32) 51; (39) 347. fire blight, notes, (29) 348, 848; (31) 749; (32) 844.
history and culture, (31) 833. improvement, (28) 736. insects affecting, (27) 155; (29) 347; (30) 752; (31) 88; (32) 348; (33) 153; (34) 851. irrigation experiments, (28) 588, 828.	flowers, polymorphism in, (25) 540.
insects affecting, (27) 155; (29) 347; (30) 752; (31)	flowers, polymorphism in, (25) 540. foliage, studies, (26) 407.
irrigation experiments, (28) 588, 828.	fruit buds, development, (31) 335. fruit buds, winter injuries, (29) 41.
liming experiments, (26) 534; (39) 33. loss in weight after harvesting, (38) 635.	fruit buds, winter injuries, (20) 41. fruit spots, notes, (34) 846. hold-over blight, studies, (26) 646.
Madasgascar, digestibility, (26) 164.	juice, physico-chemical constants of, (31) 427.
Madasgascar, digestibility, (26) 164. Mammoth and Spanish, comparison, (29) 230.	juices, studies, (29) 711.
milling, notes, (35) 208. mosaic disease, transmission, (36) 544.	leaf blight, investigations, (33) 347. leaf blister-mite—
new, notes, (30) 235.	alternate form, (37) 661.
mosaic disease, transmission, (30) 344. new, notes, (30) 235. notes, (26) 362; (30) 437; (35) 739. nutritive value, (30) 470, 471, 871. oil content, (40) 239. permeability of soci coat, (38) 25.	notes, (27) 565; (28) 63; (32) 651; (35) 263; (40) 161.
oil content, (40) 239.	romedies, (37) 54. leaf curling midge, notes, (30) 53.
picking and manding, (20) 41.	leaf scald or fruit snot, description, (26) 449.
position in pod, relation to productiveness, (39) 739.	leaf spot, description and treatment, (30) 650.
production in St. Vincent, (39) 835.	leaf spot, notes, (27) 750; (35) 454. leaf worm, studies, (36) 260.
proteins of, (35) 712. root nodules, (38) 451.	leaves, green and chlorotic, evaporation from, (30) 451.
rot bacteria affecting, (29) 345.	midge, see Contarinia pyrivora.
seed selection experiments, (31) 231. seeding experiments, (38) 32; (40) 36, 729.	Monilia blight, studies, (34) 351. moth borer, studies, (40) 853.
selection experiments, (40) 623.	Phytophthorarot. (36) 649.
shelling before planting, (31) 528. shelling machines, (39) 9.	psylla— notes (26) 147: (27) 755: (28) 158, 752: (29)
softening effect on pork fat, (37) 680.	notes, (26) 147; (27) 755; (28) 158, 752; (29) 355; (31) 548; (33) 58, 252; (34) 158, 752; (38) 854, 859; (40) 261.
syllabus of lecture on, (27) 299.	(36) 854, 855; (40) 261.
varieties, (26) 232, 436, 534, 631; (27) 336, 337; (28)	remedies, (28) 60; (29) 354; (33) 556; (34) 147;
736, 828; (29) 830; (30) 229, 435, 525, 731, 735; (31) 732, 829; (32) 226, 227, 333, 630; (33) 130; (25) 134;	(36) 855; (39) 762; (40) 162. spraying for. (39) 345.
use by prehistoric Americans, (38) 167. varietics, (26) 232, 436, 534, 631; (27) 336, 337; (28) 736, 828; (29) 830; (30) 229, 435, 525, 731, 735; (31) 732, 829; (32) 226, 227, 333, 630; (33) 130; (35) 134; (36) 231; (37) 233, 329, 330, 825; (38) 32, 33, 336,	relation to fire blight, (36) 351. remedies, (28) 60; (29) 354; (33) 556; (34) 147; (30) 855; (39) 762; (40) 162. spraying for, (39) 345. susceptibility to spray mixtures, (31) 851.
	quince graft hybrid, description, (30) 740, root aphis, European, (37) 861.
varieties resistant to wilt, (38) 851. variety tests, (39) 33, 128, 837; (40) 228, 230, 239, 332, 624, 625, 729, 823, 825. whole pressed, analyses, (38) 369; (40) 571.	rust, new, description, (31) 150, 345.
332, 624, 625, 729, 823, 825. Whole pressed, analyses (38) 369: (40) 571	rust, notes, (29) 155; (30) 448; (32) 645; (35) 454, rust, studies, (37) 250.
yields, (39) 434.	rust, treatment, (29) 50.

Dans Continued	Danie Gantaura
Pear—Continued.	Pears—Continued. from frost-killed pistils, (32) 841.
scab, notes, (34) 846; (36) 541; (38) 852, 853, scab, studies, (33) 148; (35) 351, scab, treatment, (27) 143; (36) 545	frost injuries, (2f) 749; (29) 547. frost rings on, (26) 244. frozer, as affected by rapid thawing, (32) 43. greening of wood, (20) (49. growing on grass land, (26) 689. growth as affected by meteorology, (29) 510.
scab, treatment, (27) 143; (36) 545	frost rings on, (26) 244.
seedling, description, (32) 539, seeds, composition, (27) 11, seeds, oil from, (40, 511,	frozen, as affected by rapid thawing, (32) 43.
seeds, composition, (27) 11.	greening of wood, (20) 649.
Septoria leaf spot, investigations, (33) 347.	growth as affected by meteorology. (29) 510
Septoria leaf spot, investigations, (35) 347. slug in Chile, (10) 648.	hardy and blight-resistant, breeding, (40) 446.
slug, notes, (26) 146, 863; (27) 53; (28) 563; (29)	harvesting and storage, (39) 844.
158; (33) 58; (35) 253.	host of Archips argyrospila, (27) 160.
slug, remedies, (25) 659. slug, studies, (27) 459.	identification and classification, (36) 641. index to varieties, (26) 441.
sooty blotch, notes, (°5) 550.	inheritance of russet skin in, (28) 734.
stigmonose, studies, (33) 549.	inoculation experiments with brown rot fungus,
stocks, blight-resistant, (36) 51; (39) 346.	(33) 247.
stocks for apple scions, (37) 40, stocks, quince for, (35) 447.	insects affecting, (29) 756; (30) 753; (34) 833; (38) 460, 843.
stocks, tests, (39) 843.	internal structure, (36) 41.
stop-back, relation to ternished plant bug, (40)	irrigation experiments, (27) 743; (32) 638.
455.	keeping quality as affected by fertilizers, (27)
sucker, notes, (34) 451. thrips—	644; (29) 640.
California, in Maryland, (33) 253.	LeConte, somatic segregation of characters in,
control in British Columbia, (37) 55, 462.	(32) 637. marketing cooperatively, (29) 392.
distribution of pear blight by, (33) 149. life history and habits, (32) 850.	marketing cooperatively, (29) 392. methods of drying, (27) 146. new, descriptions, (29) 436, 838.
life history and names, (52) 850,	new, descriptions, (29) 436, 838.
notes, (23) 158; (29) 252; (30) 656; (31) 548;	nomenclature, Australian, (39) 844.
(33) 252; (34) 752; (36) 856.	nutrient injections in, (27) 48, 538. occurrence of glucosid in, (26) 327.
remedies, (27) 54; (38) 259; (40) 163.	of Germany, (33) 838.
life history and remedies, (27) 358. notes, (23) 15%; (29) 252; (30) 656; (31) 548; (33) 252; (34) 752; (36) 856. romedies, (27) 54; (33) 259; (40) 163. studies, (27) 156; (27) 257; (40) 647.	of North America, (36) 742. oriental, and their hybrids, (29) 541.
bloo boiler, minuted, the chip think, toty an,	oriental, and their hybrids, (29) 541.
tree borer, simmie, notes, (26) 61; (36) 856. tree slug, notes, (38) 159.	oriental peach moth on, (39) 259; (40) 756. packing, (29) 838.
tree trunks, introduction of solutions into. (36)	parthenocarpy in, (34) 226.
740.	parthenogenesis in. (29) 837.
tree wood and bark, composition, (26) 407. trees, potassium cyanid inoculation, (39) 225,	planting with dynamite, (35) 236, pollination, (27) 744; (31) 534; (34) 233, 341; (37)
762.	40; (40) 638.
weevil, oviposition, (39) 363.	precooling and storage investigations, (28) 829.
Wine, preparation, (27) 412.	preservation, (29) 312.
Pearl disease and tuberculosis, (30) 582. Pearline as an insecticide, (30) 753.	preservation by pressure, (32) 416.
Pears—	preserved, Valuation, (34) 256.
neidity, (32) 110; (37) 714. and apples, handbook, (26) 45.	preserved, valuation, (34) 256. pruning, (30) 739; (33) 837. pruning and training, (37) 344.
as affected by foreign pollen, (30) 739.	reducing and nonreducing sugars in, (29) 503.
as affected by moisture supply, (32) 638	ringing experiments. (32) 636.
Bartlett, keeping qualities, (34) 73%.	ripening in relation to humidity, (36) 741. seedless, notes, (30) 642; (34) 234. seedling, variations in, (30) 144. sod mulch v. clean culture, (33) 43.
Bartlett, ripening, (36) 536.	seedling, variations in, (30) 144.
Bartlett, storage, (40) 838. belting, (27) 349.	sod mulch v. clean culture, (33) 43.
	spray schedules, (39) 30, 140, spraying, (37) 744.
blight resistant—see also Pear blight. from China, (34) 55. origin and development, (36) 641.	spraying experiments, (27) 143, 439; (28) 652; (30)
from China, (34) 55.	641; (34) 147.
blooming dates (21) 140 522	spraying with lime arsenate, (40) 164.
blooming dates, (31) 140, 533. breeding, (36) 444.	spring v. fall planting, (33) 439. stimulation of sap flow by nutrients, (27) 538.
breeding experiments, (35) 743; (39) 542. breeding for blight resistance, (39) 346.	stocks for, (32) 337; (40) 444.
breeding for blight resistance, (39) 346.	stocks for, (32) 337; (40) 444. susceptibility to bitter pit, (31) 244.
buprestid beetle affecting, (26) 61, builter, you then occurry in (36) 331	temperatures injurious to, (27) 413, 439.
bulter, parthenocarpy in, (36) 331. Chinese wild, tests, (35) 447.	tree census in Washington, (40) 340. varieties, (30) 739; (33) 534; (37) 241; (38) 41; (39)
eider, propagation, (34) 834.	445, 844.
conservation without use of sugar, (38) 716.	varieties-
cooking qualities of different varieties, (32) 560, east of production. (29) 439.	for Australia, (29) 340; (39) 344.
cost of production, (29) 439. critical months, (39) 811.	Missouri, (40) 341.
cross pollination, (27) 598; (30) 613; (38) 345.	for Australia, (29) 340; (39) 344. Missouri, (40) 341. New Jersey, (33) 439. Ohio, (37) 241.
crossoreeding experiments, (36) 742.	Pacific Northwest, (29) 745.
erown gall affecting, (28) 447. culture, (27) 40; (34) 833.	western Washington, (33) 44.
culture—	in Oklahoma, (27) 241.
experiments, (2×) 236; (39) 347.	resistant to disease, (29) 246, vegetable, notes, (29) 461.
Moss County Colo (27) 241	winter injury, (35) 143; (40) 835.
New York, (35) 836.	wound stimulation and closure in, (26) 826.
Mess County, Colo., (37) 241. New York, (35) 836. Ontario, (37) 544. southern Texas, (32) 539. southern Utah, (30) 41.	Peas-
southern Texas, (32) 539.	Alaska, amino nitrogen in, (33) 222.
SORINGTON (100) 41.	Alaska, breeding experiments, (40) 740. alcoholic fermentation in, (20) 731.
Uruguny, (32) 745. western Nebraska, (32) 233. diseased, plaster cast of, (31) 748.	analyses, (32) 171; (34) 469; (40) 557.
diseased, plaster cast of, (31) 748.	analyses, (32) 171; (34) 469; (40) 557. and cereals as hay mixture, (39) 333.
dried, analyses, (30) 861.	and outs—
dried, preparation and use, (29) 462. drying, (37) 114, 509.	us hay crop, (39) 336; (40) 736. us silage crop, (40) 731.
fall v. spring planting, (26) 238; (37) 743.	for hay or silage, (32) 430.
fall v. spring planting, (26) 238; (37) 743. fertile and self-sterile varietics, (40) 638. fertilizer experiments, (29) 539; (31) 534; (39) 347.	seeding experiments, (37) 640.
fortilizer experiments, (29) 530; (31) 534; (89) 347.	yields, (40) 735.
fibro-vascular system, (27) 538; (29) 542.	aphids affecting, (28) 556; (31) 452.

Peas-Continued.	Peas—Continued.
as affected by	field
disinfectants, (26) 820 ether, (26) 127.	depth of sowing tests, (27) 835.
niter cake superphosphate, (40) 515.	feeding value, (40) 771.
pod position, (34) 134.	effect of position in pod, (40) 521. feeding value, (40) 771. fertilizer experiments, (40) 735. forage production, (39) 838.
poisons, (39) 224. as green manure, (26) 534.	forage production, (39) 838.
green manure under dry-land conditions,	grazing off, (39) 229. growing with grain, (40) 822.
(39) 131.	neredity of violet color in (31) 333.
hay and silage crop, (39) 737. hog pasture, (39) 375.	hogging-off, (37) 66, 68. irrigation experiments, (37) 640.
orchard cover crop, (34) 437.	liming experiments, (39) 221; (40) 126.
assimilation of nitrogen by, (26) 32. assimilation of organic phosphates by, (29) 423.	notes, (35) 340. pedigreed, in Wisconsin, (40) 624.
bacteria as affected by acidity, (39) 722.	rate of seeding test, (34) 734.
bacterial stem plight of, (35) 847.	relation between size of seed and yield, (26) 434.
betains in, (27) 203. breeding, (28) 435.	seeding experiments, (37) 30; (39) 333; (40)
breeding and improvement in Sweden, (39) 833. breeding experiments, (28) 331; (29) 433; (33) 331.	227.
bushel weights, (37) 889.	selection experiments, (37) 32. tests in Montserrat, (40) 228.
Canada—	tests in Montserrat, (40) 228, utilization of sugar by, (36) 125. varieties, (27, 32, 334, 736; (28) 532, 827; (29) 32, 426; (32) 37, 730, 731; (33) 34; (34) 228, 735; (35) 829; (36) 36; (37) 20, 30, 32, 33, 135, 228, 337 530, 640; (38) 131, 431, 634. varieties for moor soil, (39) 438. variety tests, (39) 128, 227, 229, 333, 334, 435, 738, 838; (40) 730, 731, 732, 735. water requirements, (29) 826; (32) 127. yields, (27) 734; (39) 336; (40) 731. forcing by electricity, (26) 138. gametic reduplication in, (30) 433. garden—
and outs for forage, (33) 225.	varieties, (27) 32, 334, 736; (28) 532, 827; (29) 32, 426; (32) 37, 730, 731, (33) 34, (34) 298
and oats, for silage, (28) 734. culture, (27) 32.	735; (35) 829; (36) 36; (37) 29, 30, 32, 33, 135,
field, culture, (31) 265.	228, 337 530, 640; (38) 131, 431, 634.
field, culture experiments, (28) 735. field, fertilizer experiments, (30) 820.	variety tests, (39) 128, 227, 229, 333, 334, 435,
field, varieties, (33) 830.	738, 838; (40) 730, 731, 732, 735.
canned, analyses, (31) 461.	yields. (27) 734: (39) 336: (40) 731.
canned, ash content, (33) 260. cannery refuse, feeding value, (36) 167.	forcing by electricity, (26) 136.
canning, (39) 165.	gametic reduplication in, (30) 433.
canning, improvement in Wisconsin, (34) 341. composition as affected by companion crop, (26)	and field, origin, (32) 327.
617.	new bacterial disease of, (29) 245.
cost of production, (29) 690. culture, (26) 539: (34) 630.	nodule bacteria of, (32) 33. protein utilization, (26) 564.
culture—	selection experiments, (38) 635.
experiments, (27) 31, 335; (28) 633; (30) 133; (32) 529, 530; (33) 830; (35) 141, 341; (36)	variations in, (30) 739. varieties, (30) 640; (31) 336; (34) 833.
32; (37) 30, 529, 825; (38) 132, 133; (39) 334.	variety tests, (33) 430. germinating, starch digestion in, (28) 127.
32; (37) 30, 529, 825; (38) 132, 133; (39) 334. in Antigua, (36) 735.	germinating, starch digestion in, (28) 127. germination as affected by—
Philippines, (39) 444. Rhodesia, (27) 32, 637.	depth of planting, (36) 437. fertilizers, (29) 327.
Washington, (37) 98.	mineral matter, (39) 526.
on moor soils, (39) 438. under dry farming, (30) 435; (36) 528, 529.	germination—
under irrigation, (34) 528.	in mercury vapor light, (30) 827.
description and agricultural value, (36) 635.	of, (35) 431. tests, (29) 223; (30) 236.
device for sorting, (36) 635. dietary properties, (40) 762.	tests in hydrogen peroxid, (27) 201.
dried, arsenie in, (27) 269	grass, culture experiments, (27) 735. grass, varieties, (27) 32.
drying, (37) 509. effect on companion crop of barley, (32) 515.	grass, varieties, (27) 32. green, analyses, (27) 170.
offerd on coil maietares (21) 17	green, as meat substitute, (35) 166. ground, analyses, (35) 562.
fertilizer experiments, (26) 527, 622, 681, 818,	ground, analyses, (35) 562. ground, digostibility, (28) 461.
835; (27) 32, 628; (28) 734, 816; (29) 22; (30) 220;	growth as affected by— alkali salts. (34) 125.
electroculture experiments, (30) 788; (40) 428. fertilizer experiments, (26) 527, (22, 681, 818, 835; (27) 32, (28); (28) 734, 816; (29) 22; (30) 220; (31) 328, 820; (32) 630; (31) 24, 518, 822; (35) 426; (38) 820.	alkali sults, (34) 125. fertilizer salts, (20) 329. glycerin, (31) 522. radioactivity, (22) 731. stimulants, (35) 434. graph in relyible to forward up (35) 432
fertilizing value, (32) 216.	glycerin, (31) 522.
field-	stimulants, (35) 434.
and outs, seeding experiments, (31) 36. as cover crop, (32) 332.	growth in relation to temperature, (35) 432. harvesting and storage, (38) 41.
forage crop, (34) 140; (38) 827.	home drying, (38) 41.
green manure, (28) 339; (32) 539; (35) 438; (39) 31.	hybridization experiments, (29) 433; (30) 329
hog pusture, (38) 470; (39) 479; (10) 75. silage crop, (39) 134.	330; (5.2) 326. improvement, (28) 331.
silage crop, (39) 134.	improvement, (28) 331. improvement in Canada, (27) 831.
winter green manure, (39) 434. Bacillus radicicola of, (33) 329.	and variation in, (38) 822.
chemical study of varieties, (39) 838.	correlation, and variation in, (28) 331.
composition at different stages, (39) 836. critical period of growing season, (39) 811.	from different parts, (36) 27.
culture, (26) 830; (35) (33); (37) 337.	in, (27) 740; (30) 331. of flowering time in, (28) 531; (35) 329.
field, culture—	inoculation experiments, (28) 233; (28) 420.
at high altitudes, (39) 810. experiments, (28) 532; (29) 226, 735; (32) 132, 526, 528, 529; (35) 827; (37) 30, 227; (38) 333, 634; (39) 124, 227, 735; (40) 735.	insects affecting, (26) 857. irrigation experiments, (28) 230.
526, 528, 529; (35) 827; (37) 30, 227; (38) 333,	Jerusalem, varietics, (30) 525.
654; (39) 124, 227, 735; (40) 735. for hav and seed. (37) 436.	legumins in, (40) 607. liming experiments, (36) 27.
for hay and seed, (37) 436. for winter forage, (38) 735.	limitation studies, (36) 839; (39) 747.
in eastern Oregon, (32) 730. New Mexico, (40) 18.	mulching v. clean culture, (33) 534. nitrogen metabolism, (37) 24.
SOULDATH TEXAS, (32) 332.	nodule bacteria, (39) 338,
western Nebraska, (32) 224. under dry farming, (31) 429; (34) 734.	of Burma, names and descriptions, (33) 229. oil content, (27) 716.
manage and assessmently (as) and (as) ease	

Peas-Continued.	Peat—Continued.
partridge, as green manure, (32) 423.	litter, absorptive power, (33) 722, 817, 818.
partridge field, analyses, (29) 463.	litter as manure absorbent, (34) 517. litter machines, descriptions and tests, (27) 727.
phosphoric acid content, (10) 508. plant nutrients removed by, (29) 837.	litter, treatise, (34) 624.
precipitin test for, (31) 733.	machinery, tests, (34) 589.
preparation and use, (32) 253. preservation, (29) 312.	moistening, (33) 322. molasses, digestibility, (30) 568.
preservation by pressure, (32) 416.	moors and water powers, economic importance
preservation by pressure, (32) 416. production in Spain, (28) 736. ratio of tops to roots, (31) 628, 733.	(32) 820. moss as feeding stuff, (32) 259.
relation to climate, (28) 27.	moss litter manure, notes, (26) 527. moss, use as litter, (31) 30, 272.
respiration as affected by electricity, (31) 33.	moss, use as litter, (31) 30, 272. mull, methods of analysis, (31) 806.
root development with other crops, (26) 129.	nitrogen as affected by heat, (39) 617.
root growth at various temperatures, (36) 28.	nitrogen, formation of nitrates from (29) 624.
Rounceval, culture experiments, (35) 135. seed color variation in, (37) 334.	nucleic acid derivatives in, (38) 202. of Germany, studies, (30) 715.
seed testing, (38) 41.	organisms that liquity agar, (35) 227.
seed treatment, (40) 413. seeding experiments under irrigation, (39) 133.	production— and use in 1913, (33) 25.
selection and breeding, (31) 829.	and use in 1913, (33) 25. and use in United States, (38) 820; (40) 221.
selection experiments, (36) 735.	in United States, (34) 332.
split, industry in Tunis, (39) 208. sprouting capacity in relation to antiscorbutic	resources of Wisconsin, (34) 786. soils—
value, (39) 470. stock or field, description, (30) 828.	sois— adsorptive power, (34) 515. analyses, (32) 212. as affected by lime, (29) 823. deposits in Virginia coastal plain, (29, 513. drainago, (37) 135; (38) 501, 690. fertility, (28) 733. fertilizer experiments, (39) 428, 729. fertilizers for, (37) 720; (39) 813. for cranberries, (33) 736. improvement, (33) 416; (36) 119. in Minnesota and Wisconsin, (34) 618.
Stock or field, description, (30) 828. Sturt, hybridization experiments, (26) 834.	analyses, (32) 212. as affected by lime, (29) 823.
subsoiling experiments, (37) 732.	deposits in Virginia coastal plain, (29, 513.
Tangier, culture experiments, (30) 632; (32) 132;	drainage, (37) 135; (38) 591, 690.
(33) 33. toxic root secretions of, (35) 636.	fertilizer experiments, (39) 428, 729.
transformation of nitrogen by (29) 133.	fertilizers for, (37) 720; (39) 813.
Varieties, (26) 631, 632, 835; (27) 32, 334, 637; (20) 222 530: (31) 820: (32) 431, 630: (33) 33:	improvement. (33) 416: (36) 119.
toxic root secretions of, (35) 636. transformation of nitrogen by (29) 133. varieties, (26) 631, 632, 835; (27) 32, 334, 637; (29) 292, 530; (31) 899; (32) 431, 630; (33) 33; (35) 141; (36) 32, 735; (37) 825; (38) 33. varieties and hybrids of, (33) 526. varieties, new Swedish, (39) 833. variety tests, (40) 434. water requirements, (26) 129; (34) 720; (38) 227.	
varieties and hybrids of, (33) 525.	lime and phosphoric acid content, deter-
variety tests, (40) 434.	mination, (39) 504. management, (37) 134.
water requirements, (26) 129; (34) 720; (38) 227. water requirements in India, (27) 429.	microorganisms of, (38) 420. nitrification in, (33) 422.
water requirements in India, (21) 429. Wire frames for. (33) 891.	nitrogenous fertilizers for, (39) 428.
yield of plump v. shrunken seed, (27) 734.	notes, (27) 617.
yields in Austrelia (38) 133	of German East Africa, (37) 317. Massachusetts, (37) 810.
wire frames for, (33) 891. yield of plump v. shrunken seed, (27) 734. yields, (28) 533. yields in Australia, (38) 133. Peasants, Italian, in Sicily, standard of living, (28)	Minnesota, analyses, (35) 625. Ohio, (37) 212. Picardy, (27) 619; (30) 514.
358. Peat—see also Moor soils.	Ohio, (37) 212. Picardy, (27) 619: (30) 514.
acidity and alkalinity of, (30) 715.	rectamation and improvement, (29) 890.
acidity and alkalinity of, (30) 715. agricultural value, (30) 588. analyses, (27) 327; (29) 119; (32) 520; (34) 521;	rotation and manurial experiments on, (33)
(36) 27.	studies, (39) 10, 11.
and parent material, composition, (39) 425.	treatise, (34) 618.
and peat moors, utilization, (34) 618. as fertilizer or fertilizer filler, (34) 332.	treatment, (30) 119. Tunis phosphate for, (29) 519.
as source of ammonia, (27) 623.	unproductiveness of, (30) 518.
as source of organic ammoniates, (37) 815. availability of nitrogen in, (26) 523; (28) 724,	use of manganese sulphate on, (39) 729. vegetation as indicator of quality, (40) 718.
725; (38) 423.	water movement in, (33) 322.
bacterial treatment, (30) 721. bacterized, (40) 222.	sphagnum, investigations, (28) 518. straw, methods of analysis, (31) 806.
bacterized and heated, comparison, (36) 219.	treatment with aerobic soil bacteria, (30) 399.
bacterized, fertilizing value, (31) 821, 822, 826;	use, (27) 24; (28) 521.
bacterized, fertilizing value, (31) 821, 822, 826; (33) 124; (35) 324, 430, 628; (36) 219, 517, 726; (37) 426, 629, 719, 514; (38) 120, 328; (39) 116,	use as fertilizer filler, (35) 24. utilization in Italy, (31) 321; (32) 820.
550.	water movement in, (33) 322.
beds, denitrification in, (38) 514. bogs, converting into meadows, (37) 826.	Peaty swamp lands, improvement, (28) 32. Pecan—
bogs in Michigun, (28) 521. bogs, utilization, (26) 323. burned, analyses, (35) 128.	catkins, disease of, (37) 844.
burned, analyses, (35) 128.	dieback, studies, (35) 850; (37) 652. dlseases—
decomposition of cellulose in, (31) 25.	and insects in Georgia, (35) 461.
decomposition of cellulose in, (31) 25. deposits of United States, (39) 425, deposits of Vermont, (28) 422.	control, (39) 459. descriptions, (30) 452.
digestibility and productive value, (37) 865.	notes, (37) 756; (39) 459, 553.
dust, storage of apples in, (29) 641.	notes, (37) 756; (39) 459, 553. treatment, (31) 245.
effect on nitrogen assimilation in plants, (26)	industry in United States, (39) 647. kernel spot, transmission, (39) 763.
autorat affect on within artism (00) 701	ieni ploton, potes, (26) 56.
fertilizing value, (26) 323; (27) 325; (28) 817, 820; (29) 518; (39) 726.	iear case-dearer, studies, (38) 656 oil. digestibility. (38) 868.
fertilizing value, judging, (37) 216. filler, analyses, (26) 715.	leaf case-bearer, studies, (38) 656. oil, digestibility, (38) 868. rosette in relation to soil deficiencies, (40) 544.
filler, analyses, (26) 715. fuel, preparation and use, (31) 123.	rosette, investigations, (32) 241.
hog, descriptions of bones, (28) 767.	rosette, investigations, (32) 241. rust, studies, (27) 547. twig girdler, life history, (35) 661.
humification, (31) 120. industrial use, (33) 488.	Pecans— analyses, (26) 337.
industry in Canada, (36) 322.	budding and grafting, (36) 743.
industry in Canada, (36) 322. industry in United States, (31) 122; (36) 624.	budding and grafting, (36) 743. crown gall affecting, (28) 447. culture, (28) 840; (34) 151, 740; (36) 139.
industry, notes, (34) 822.	contenta, (vo) 04n; (94) 101, 14n; (90) 199.

Pecans—Continued.	Pelagophycus porra, analyses, (27) 421.
experiments, (28) 236.	Pelargonin, studies, (34) 709. Pelargonium—
in Florida, (29) 542.	bacterial disease of (32) 53.
Georgia, (33) 440.	canker, notes, (34) 56.
Maryland, (37) 345; (40) 150. North Carolina, (26) 337; (39) 344 southern Texas, (32) 539.	canker, notes, (34) 56. disease, new, (38) 152. poisoning by certain elements, (38) 628.
southern Texas, (32) 539.	scarlet, coloring matter of, (34) 709.
southern Utan, (30) 41.	Pelargoniums—
Texas, (36) 743. distribution of nitrogen in, (36) 269.	breeding experiments, (27) 741. coloring matter, (27) 228.
insects affecting, (28) 249; (38) 157, 256, 762; (39)	notes, (29) 341.
461, 557; (40) 56, 259. monograph, (27) 645.	Pelatachina pellucida, notes, (37) 763. Pellagra—
	alkali reserve of blood in. (39) 671.
parent and propagated trees, (35) 145.	and the vitamin hypothesis, (40) 70.
self-sterility in. (35) 36, 41: (36) 344.	cause and prevention, (32) 255; (34) 764. central nervous system in, (35) 560.
shelled, industry in Texas, (29) 61.	colloidal silica theory, (36) 763.
spraying, (33) 439.	dietary treatment, (35) 666.
parent and propagated trees, (35) 145. Phylloxers galls affecting, (32) 553. self-sterility in, (35) 36, 41; (36) 344. shelled, industry in Texas, (29) 61. spraying, (33) 439. storage, (34) 151. studies, (40) 540.	central nervous system in, (35) 560. colloidal silica theory, (36) 768. dietary treatment, (35) 668. etiology, (32) 67; (33) 662. experumental, in dogs, (36) 764. human-like, in dogs, (38) 366. in Italy notes (27) 568
	human-like, in dogs, (38) 366.
top-working on hickory, (34) 151; (35) 745. value and adaptability in the South, (26) 744.	in Italy, notes, (27) 568. in Province of Rome, (31) 859.
varieties, (34) 151; (37) 44.	nature and prevention, (39) 70.
winterkilling, sun scald, or sour sap, (37) 755. wood rot, (40) 158.	photodynamic theory of, (26) 871. prevention, (34) 259, 764; (35) 472. problem in Illinois, (28) 560.
Pecari angulatus bangsi n.subsp., description, (37)	prevenuon, (84) 259, 764; (85) 472.
757.	producing diets, (39) 266, 666, 666; (40) 59.
Pecatonica River, flood control, (37) 186. Pecos River, profile survey, (36) 583.	relation to—
Pectase, action of, (35) 25.	corn, (26) 486; (29) 175. corn meal, (29) 768.
Pectic substances of plants, (37) 309.	deficiencies in diet, (30) 764.
Pectin— bodies, constitution, (40) 202.	(35) 560, 767: (36) 763: (38) 268, 568, (35)
determination in spices (40) 115	insects, (27) 156; (28) 853; (33) 555.
determination in sugar residues, (36) 415.	location of domicile, (33) 565.
preparation, (37) 715; (39) 315, 609.	sewage disposal. (31) 893; (37) 694.
studies, (40) 804.	Simulium, (31) 452.
determination in sugar residues, (36) 415. methyl alcohol, studies, (40) 204. preparation, (37) 715, (38) 315, 609. studies, (40) 804. test in jelly making, (40) 558. Peetin ase in alfalfa, (32) 411.	Stable files, (29) 758.
Pectinophora gossypiella, see Cotton bollworm,	similarity to zeism. (31) 464.
pink.	studies, (30) 865; (31) 858; (33) 167; (35) 666; (36)
Pectins— of sucuba and sweet orange, (29) 608.	com meal, (29) 768. deficiencies in diet, (30) 764. diet, (28) 263; (33) 464, 565; (34) 258, 259, 764; (35) 560, 767; (36) 763; (38) 268, 568. insects, (27) 156; (28) 853; (33) 555. location of domicile, (33) 565. sand-files, (26) 556; (29) 357; (31) 455. sawage disposal, (31) 893; (37) 694. Simulium, (31) 452. stable files, (29) 756. review of investigations, (34) 463; (36) 363. similarity to zeism, (31) 464. studies, (30) 865; (31) 858; (33) 167; (35) 666; (36) 464, 486; (40) 69, 363, 869. summary and digest of data, (36) 161. transmissibility, (36) 363.
of aucuba and sweet orange, (29) 608. use in food products, (34) 167.	transmissibility, (36) 363.
Pedicularis vulgaris, haustoria of, (39) 358.	transmission experiments, (36) 764.
Pedicularis vulgaris, haustoria of, (39) 358. Pediculi, remedies, (31) 58, 351. Pediculidae, notes, (26) 635.	treatise, (36) 763. treatment, (32) 255, 564.
Pediculoides Ventricosus-	Pelletierine tannate as a vermifuge, (38) 884.
notes, (27) 561, 564, 565; (31) 656. parasitic on fig moth, (26) 248.	Pellicularia— disease of coffee (40) 48
Pediculopsis graminum—	disease of coffee, (40) 48. koleroga, notes, (32) 645.
Pediculopsis graminum— notes, (28) 854.	koleroga on coffee, studies, (31) 450. koleroga, studies, (33) 549.
relation to pink bud rot, (28) 750. Pediculus—see also Lice.	Peloria in flowers, (34) 823.
capitis, relation to leprosy, (27) 858.	Peltophorum africanum, analyses and digestibility,
corporis, relation to trench fever, (39) 658.	(27) 871; (32) 167.
humanis corporis— biology, (35) 460.	Pempheres affinis, notes, (40) 553. Pemphigidae of Japan, (38) 857. Pemphiginae affecting Populus in Colorado, (31)
life history and remedies, (38) 765.	Pemphiginae affecting Populus in Colorado, (31)
remedles, (35) 854; (39) 585. spn., studies, (37) 850; (38) 159.	251. Pemphigus—
spp., transmission of poliomyelitis by, (28) 753.	acarifolii notes (35) 54
biology, (35) 460. life history and remedies, (38) 765. remedies, (35) 854; (39) 558. spp., studies, (37) 850; (38) 159. spp., transmission of pollomyelitis by, (28) 753. spp., transmission of typhus fever by, (26) 759. yestimenti, see Pediculus humanus corporis. Pedigrees, uniform system for, (29) 665. Pedogenesis, studies (26) 147. Pedology, ancient ideas concerning, (30) 212. Peganum harmala, density of cell sap, (32) 35. Pegmatite granite, potash from, (27) 127.	betae, see Beet aphis and Sugar beet root louse.
Pedigrees, uniform system for, (29) 665.	bursarius, notes, (27) 552. fraxini-dipetalae on olive, (38) 157.
Pedogenesis, studies (26) 147.	gravicornis n.sp., description, (29) 654. imbricator, notes, (26) 147.
Personum harmals, density of cell san. (32) 25.	lactucarius, notes, (28) 655.
Pegmatite granite, potash from, (27) 127.	populi-transversus, studies, (40) 60.
Pegomyia—	spp., notes, (27) 257.
affinis, notes, (40) 758. brassicae, see Cabbage maggot.	tessellata (acerifolii), notes, (26) 753. Pemphredon, nearctic species, (38) 660.
cepetorum, see Onion maggot.	Penguin guano irom Faikiand Islands, (31) 022.
chilensis, notes, (40) 648. fusciceps, see Phorbia fusciceps.	Penicillaria, culture experiments, (33) 33. Penicillic acid, formation, (29) 7.
hyoscyami—	Penicillium—
breeding experiments. (36) 658.	ammonifying power, (32) 29.
life history, (26) 452. notes, (35) 466; (36) 57.	avellaneum n.sp., description, (35) 148. camembertii, secretion of diastase by, (36) 328.
studies, (32) 351.	camembertii, secretion of diastase by, (36) 328. casei, notes, (26) 479.
studies, (32) 351. planipalpis, studies, (27) 553. ruficeps, notes, (26) 250.	chrysogeniim as anecting Dutter, (39) 755.
SDD., Dreeding experiments, (30) 608.	chrysogenum, proteclytic activity, (40) 721. conidium production in, (32) 442.
spp., mining dock leaves, (40) 859. spp., notes, (29) 454. vidna in North America, (35) 759.	crustaceum, notes, (28) 562.
spp., notes, (29) 454. Vicina in North America. (25) 759.	crustaceum, resistance to toxic substances, (29) 734.
vicina, notes, (28) 752,	crustaceum, utilization of phytin by, (30) 805.

```
Penicillium—Continued.
                                                                                                                                                                                                                                                                                       Pennsylvania-Continued.
                digitatum, relation to temperature, (33) 545. expansum, growth in plant decoctions, (37) 728 expansum on plums, (34) 445. expansum, temperature relations, (36) 649. formation of coremia in, (28) 745.
                                                                                                                                                                                                                                                                                                         Station, notes, (20) 494, 695, 899; (27) 398, 600, 699, 799; (28) 94, 300, 397; (29) 398; (30) 300, 699; (31) 198, 399, 798; (32) 198; (33) 198, 700; (34) 497, 900; (35) 97, 699; (30) 100, 197; (37) 98, 197, 499, 508; (38) 198, 800; (39) 97, 198, 600; (40) 199, 698
                  glaucum-
                                     noum—
as affected by chemicals, (28) 444.
behavior in 1ron solutions, (27) 527.
behavior with acctic acid, (26) 203.
cleavage of gluten by, (31) 711.
decomposition of fat by, (30) 311.
effect on amino acids, (27) 526.
factors affecting development, (30) 241.
fivation of atmospheric nitrogen by, (26) 123.
flustion of pulsoren by, (36) 632.
                                                                                                                                                                                                                                                                                      (No. 126, 166)
Station, report, (34) 147; (35) 595; (35) 95.
Station, report of director, (28) 194.
Pentane, sterilization of soils by, (32) 816.
Pentanhis (Tychea) trivialis, notes, (28) 655.
                                                                                                                                                                                                                                                                                       Pentarthron-
                                                                                                                                                                                                                                                                                                         carpocapsae, biology, (31) 62.
carpocapsae, notes, (26) 557.
minutum, notes, (27) 56.
minutum, pausitic on bud moth, (34) 250.
minutum, pausitic on pea slug, (26) 863.
(Oophthota) semblidis, artificial breeding, (30)
                                     fluation of atmospheric nitrogen by, (26) 123. fluation of nutuogen by, (36) 632. in Stilton cheese, (28) 879. in tamari-koji, (19) 161. isolation from cheese, (26) 479. mutation in, (30) 630; (31) 225. nitrogen fluation by, (31) 711, 721. occurrence in sugar, (26) 505. organic constituents of, (30) 226. penetration of egg shells by, (29) 765. products of, (29) 817. relation to iodin compounds, (29) 133. retarding action of certain substances on, (28) 629.
                                                                                                                                                                                                                                                                                       retoridum, notes, (28) 160.
Pentastomum facnioides, dissemination and action,
                                                                                                                                                                                                                                                                                        (27) 479.
Pentatoma
                                                                                                                                                                                                                                                                                       jumpelina, notes. (30) (57.
ligata affecting budon grass, (33) 747.
Pentilia sp., notes, (29) 261.
Pentosan content of germinating seeds, (29) 525.
                  (28) 629. studies, (26) 749. gratioti n.sp., studies, (28) 844. italicum, notes, (28) 241. luteum purpurogenum group, (34) 51. monograph, (31) 327. monograph, (31) 327.
                                                                                                                                                                                                                                                                                        Pentosans
                                                                                                                                                                                                                                                                                                            as source of energy in animal body, (30) 465;
                                                                                                                                                                                                                                                                                                           (31) 763.
chemistry, biology, and occurrence, (30) 10.
determination, (33) 713; (36) 807; (40) 114.
determination in flour, (39) 206.
determination in wheat, (28) 836.
                  monograph, (31) 327.
plefferlanum, description, (38) 448.
plophilum, excretion of cytase by, (28) 803.
puberulum, studies, (27) 729.
roqueforti, effect on milk fat, (31) 107.
roqueforti, notes, (30) 312.
roseum, relation to citrus gummosis, (31) 449.
sp., ammonia production by, (35) 513; (36) 221.
sp., effect on corn meal, (28) 663.
sp. on cranberry, (39) 749.
sp. on sweet potato, (39) 854; (40) 347.
sp., treatment, (33) 149.
spp., cleavage of methyl glucosid by, (30) 11.
spp., formation and regulation of enzyms by, (31) 730.
spp., formation of tannase by, (27) 408; (29) 132,
                                                                                                                                                                                                                                                                                      acternination in wheat, (28) 836. in corn, (28) 312. feeding stuffs, (34) 168. germinating bean seeds, (27) 730. humus, (28) 204. plants, studies, (27) 427. Pentose, formation in wine, (31) 316. Pentoses—
                                                                                                                                                                                                                                                                                                            behavior in fermenting mixtures, (27) 502.
destruction in alcoholic fermentation, (36) 609.
                                                                                                                                                                                                                                                                                                             determination, (37) 617.
determination in—
                                                                                                                                                                                                                                                                                          beet molasses, (38) 113.
grapes and wines, (29) 205.
presence of other sugars, (32) 113.
free, in plant extracts, (33) 712.
utilization by Glomerella cingulata, (34) 351.
Pentosid, guanin, from molasses residue, (26) 116.
                   (31) 730.
spp., formation of tannase by, (27) 408; (29) 132.
spp., growth in presence of salt, (32) 176.
spp., nitrogen fixation by, (37) 129.
spp., notes, (27) 350; (32) 343.
spp. on citrus, (34) 446; (35) 748; (39) 56.
spp. no orchard fruits, (37) 550.
spp. relation to apple rot, (33) 348.
spp. studies, (20) 7.
spp. tosletly to bees, (38) 564.
stoloniferum, studies, (27) 802.
variable, self poisoning in, (29) 539.
nnisetum—
                                                                                                                                                                                                                                                                                           Peonies-
                                                                                                                                                                                                                                                                                        American Botrytis hlight of, (29) 650. Botrytis disease, (40) 844. classification, (26) 542. coloring matter of, (34) 710. culture, (35) 745. diseases, notes, (33) 56. herbaceous, culture in Alaska, (29) 743. nomenclature, (39) 833. notes, (29) 104; (39) 449. treaties, (37) 145. varieties, (37) 145. Peonin, studies, (37) 48. Peonin, studies, (38) 745. Peonin, studies, (37) 741. People's high schools in Denmark, (30) 43. Peppino, tests, (27) 741.
                                                                                                                                                                                                                                                                                                               American Botrytis blight of, (29) 650.
   Pennisetum-
                    nisedini-
benthami, composition, (28) 873.
cenchroides, noies, (30) 229.
ciliare, analyses, (30) 334.
ciliare, analyses and digestibility, (32) 167.
ciliare, studies, (38) 66.
magrostachyum, notes, (26) 362.
                                                                                                                                                                                                                                                                                                            piper—
adulteration, (28) 461.
adulteration, (28) 461.
adulteration, detection, (26) 805.
analyses, (30) 712.
analyses and standards, (37) 112.
anthracnose, notes, (36) 449; (39) 146; (40) 48.
bacterial diseases, notes, (37) 652.
black, effect on microorganisms, (35) 557.
black spot, notes, (37) 841.
breeding and environmental studies, (39) 746.
breeding and environmental studies, (39) 746.
breeding experiments, (28) 539, 739; (29) 434; (32) 536, 635, (34) 144; (36) 538.
canker or rot, notes, (27) 849.
Cercuspora spots, notes, (35) 844.
chili, disease of, (31) 745.
color mheritance in, (38) 443.
cress seeds, germmability, (37) 26, 431; (38) 729.
culture, (33) 297.
culture—
and diseases in Dutch East Indies, (35) 349; (37) 248, 646.
                       purpureum-
                                                                                                                                                                                                                                                                                            Pepper
                                           composition and culture, (36) 230.
                                           notes, (30) 527.
tests, (38) 828.
                    spicatum—
analyses and digestibility, (18) 404.
description, (20) 59.
notes, (27) 32.
typhoideum, analyses, (38) 368.
typhoideum, culture experiments, (31) 733.
 typhoideum, culture experiments, (31) 733.

Pennsylvania.
College, notes, (26) 494, 695; (27) 398, 600, 699, 799; (28) 94, 300, 397, 900; (29) 398; (30) 300, 694, 900; (31) 198, 399, 606, 798; (32) 198, 398, 600; (33) 188, 700; (34) 497; (35) 97, 699; (30) 100, 197, 500, 699; (37) 98, 197, 499, 588; (38) 98, 800; (39) 97, 198, 600, 698; (40) 199, 498, 698, 799.

Institute of Animal Nutrition, notes, (26) 97, (27) 199; (31) 497; (32) 798; (33) 900; (36) 100; (37) 797; (39) 198, 300.

Rural Progress Association, report, (31) 788.

Station, financial statement, (28) 194.
```

Pepper—Continued.	Peptones—Continued
culture—continued	in soils, (34) 325.
experiments, (31) 336; (J7) 742 in Burma, (29) 736. in India, (39) 415	nitrification in soils, (26) 722.
in India (30) 415	rôle in glycogen formation, (31) 763.
in Mexico, (29) 41.	synthesis by means of enzyms, (34) 709 transformation in intestinal canal, (31) 468.
in Mexico, (29) 41. destruction by black scale, (26, 555	Peranabrus scabricollie, notes, (37) 54.
	Perchlorates, determination in — Chile saltpeter, (37) 111.
diseases in India. (38) 517	presence of chlorids and chlorates, (26) 511.
disease, investig itions, (38) 646 diseases in India, (38) 517 diseases, studies, (39) 455.	Perchloric acid—
iertifizer experiments, (31) 336; (37 215, 513, 742,	preparation from perchlorates, (40) 13.
fruit disease, notes, (34) 412 fruit rot, notes, (31) 48; (32) 250.	Paralist and one potassium residues, (38) 312.
fungus disease affecting, (31) 542.	Percelation— (20) 60.
greenhouse, caroon dioxid for, (39) 38.	lateral, in soils, (31) 216.
heredity in, (27) 710, (28) 739; (30) 342	losses of moisture and plant food by, (33) 619
host plant of fruit fly, (26) 758. hydridization experiments, (29) 434; (30) 533.	Perci ystallization, notes, (37) 409.
improvement, (38) 641.	Perdita, notes, (39) 566. Perdix perdix, feeding habits, (30) 454.
industry in Banea, Dutch East Indies, (35) 835.	reregimus maidis—
insects affecting, in Burea, Dutch East Indies, (35) 835.	as corn pest, (31) 249. notes, (27) 657.
	Perennals—
rrigation experiments, (29) 638. mosaic disease, characteristics, (31) 315.	culture, treatise, (27) 645.
mosaic disease, notes, (36) 451. nematodes affecting, (28) 746	for Illinois, (28) 840. hardy, treatise, (29) 840; (35) 345.
papika, culture, (30) 343.	herbaccous, rest period in, (33) 223.
papika, culture, (30) 343. parthenogenesis in, (29) 837. red, composition, (29) 263.	propagation. (28) 840.
red, composition, (29) 263.	varieties for Illinois, (31) 45.
response to carbon dioxid, (40) 820 shading experiments, (39) 748.	Perezia—
Spanish, canning and use, (33) 297.	legeri n.sp., description, (40) 264.
tree caterpillar, larval habit, (31) 752.	mesnili n.sp., description, (40) 65. Perfume plants, treatise, (36) 142.
Spanish, canning and use, (33) 297. tree caterpillar, larval habit, (31) 752. tree caterpillar, notes, (28) 557; (36) 654. tree, crown gall affecting, (28) 447.	Perhydridase, studies, (26) 310.
value in the diet, (29) 664.	Perhydrol—
WPAVII nates (28) 657	as a mouth wash in milk testing, (26) 712.
white, examination, (29) 463. wilt, notes, (80) 449; (38) 351. wilt, studies, (40) 157.	nature and use, (26) 580. Pericarditis, traumatic, paper on, (27) 576.
Will, Holes, (30) 149; (35) 351.	Periconia goldeniana, notes, (38) 51.
Peppermint—	Pericystis alvei, notes, (28) 562.
oulture (24) 151	Peridental membrane, relation to mastication, (26) 360.
culture experiments, (29) 331. culture in Indiana, (38) 216. cssential oil of, (28) 504.	Perideraeus granellus, notes, (33) 658.
essential oil of. (26) 504.	Peridermium-
eztract, analyses, (35) 003.	acicolum on Pinus resinosa, (36) 454. balsameum, occurrence in Washington, (36) 651.
extract, methods of analysis, (29) 798.	balsameum, occurrence in Washington, (36) 651.
oil, factors affecting composition, (36) 344.	californicum n.sp., description, (31) 845. cedri, notes, (27) 654; (32) 346.
oil industry in Japan, (30) 710, 711. rust, notes, (33) 848.	cerebrum on jack pines, (33) 351.
Pepsin-	cerebrum, studies, (40) 349.
and chymosin, identity, (26) 107. and trypsin, reaction between, (31) 609.	comptoniae n.comb., notes, (31) 348. comptoniae, notes, (31) 641.
as affected by organic acids, (36) 763.	filamentosum, notes, (39) 859.
as rennet substitute, (34) 574; (37) 576; (39) 884;	filamentosum on yellow pine seedlings, (34) 649.
(40) 80.	fusiforme and P. cerebrum, notes, (31) 445; (39) 859.
digestion of casein by, (28) 407. in eggs, (28) 64.	guatemalense n.sp., description, (31) 845.
protein cleavage by, (36) 108.	harknessli—
separation from rennin, (26) 803. studies, (26) 265; (10) 504.	and Cronartium quercuum, association, (34) 849; (38) 454, 746.
use in cheese making, (37) 175, 373, 778, 875.	infection experiments, (30) 745.
Peptic-	notes, (39) 859.
activity, determination, (31) 504.	inconspicuum n.sp., description, (27) 746.
proteolysis as affected by heat, (31) 107, 860. Peptid, new, isolation, (40) 611.	laricis, description, (29) 554 montanum and P. acicolum, identity, (35) 851.
Peptids—	n.spp., descriptions, (39) 30.
detection, (28) 503.	occidentale n.sp., studies, (39) 859.
determination in proteolysis, bloods, and urine, (31) 212.	peckii, notes, (27) 648. plnl, notes, (28) 750.
effect on cobra venom hemolysis, (36) 276.	pini, studies, (31) 153.
Peptone-	pyriforme—
action as affected by distribution in soils, (35) 518.	and Cronartium comandrae, identity, (34) 539.
anaphylatoxin, studies, (37) 581.	new hosts, (27) 649; (34) 354. notes, (34) 242; (39) 859. ribicals description (37) 354.
assimilation by plants, (26) 32.	notes, (34) 242; (39) 859.
decomposition by Streptothrix, (27) 620.	ribicola, description, (37) 354. sp., notes, (30) 647.
Peptones— activation by lecithin, (35) 881.	spp., alternate forms, (37) 844, 845.
determination in proteolysis, bloods, and urine,	spp., infection experiments, (30) 537.
(31) 212	spp., inoculation experiments, (32) 647.
effect on— action of alcohol on plant cells, (34) 333.	spp., notes, (26) 57; (27) 252; (29) 451, 547; (31) 348; (39) 859.
baking quality of flour, (26) 356; (30) 555.	spp., on pines, (31) 845. sfalactiforme, infection of Castilleia miniata
baking quality of flour, (26) 356; (30) 555. determination of sugar, (29) 613, 716.	stalactiforme, infection of Castilleia miniata
oxidation of sulphur in soils, (30) 222. secretion of diastase by fungi, (31) 13.	with aecidiospores of, (30) 148. stalactiforme, notes, (30) 538.
toxicity of inorganic salts, (31) 730.	stalactiforme, notes, (30) 538. strobi, see White pine blister rust. Peridermiums from Ohio. (40) 645.
toxicity of nitrates, (30) 227.	Perigermiums from Unio. (40) 645.

52831—26†——28

m 13	
Peridroma—	Peronospora—Continued.
margaritosa spp., notes, (28) 854.	hyoscyami in tobacco seed beds, (33) 147.
saucia, see Cutworm, variegated.	hyoscyami, notes, (39) 551.
Perilampidae of Australia, (39) 154. Perilampidae syrphing, and n.sp., description, (31)	infection studies with, (27) 47, 449. jaapiana in Bohemia, (35) 650.
554.	maydis, notes, (31) 242.
Perilampus—	maydis, studies, (37) 552.
chrysopae laevicephalus n.var., description, (36)	n.spp., notes, (32) 442.
556.	parasitica on Arabis laevigata, (32) 54.
chrysopae n.sp., description, (31) 459.	parasitica, staining, (26) 52.
hyalinus—	pedicularis n.sp., notes, (28) 211. (Plasmopara) viticola, studies, (31) 346.
investigations, (27) 261	(Plasmopara) viticola, studies, (31) 346.
leaf oviposition, (37) 162.	polygoni on buckwheat, (36) 646.
parasitic on locusts, (32) 60.	relation to weather, (28) 550. schachtii, notes, (30) 748; (32) 544.
sp., notes, (27) 262; (31) 757.	schaentii, notes, (30) 748; (32) 514.
Perilitus—	schleideni, notes, (37) 553.
americanus, parasitic on lady beetles, (31) 355. brevicollis, notes, (30) 459.	sp., notes, (27) 253. sp. on cloves, (36) 348. sp. on homp, (38) 753. sparsa, notes, (29) 650; (33) 854.
	sp. on town (90) 752
eleodis n.sp., description, (30) 256. leptopsi, parasitic on apple root borer, (26) 353.	sp. of helip, (30) 770.
Perilla cake-	spp. treatment, (26) 345; (28) 152, 245, 446, 552, trifoliorum, description, (26) 846. trifoliorum, notes, (28) 52; (32) 543.
analyses, (29) 467; (30) 267, 466. digestibility, (30) 267. feeding value, (29) 467, 869.	trifoliorum, description, (26) 846.
digestibility, (30) 267.	trifoliorum, notes, (28) 52; (32) 543,
feeding value, (29) 467, 869.	use of powdered flingleides against, (30) 651.
Fermondes blockmata, notes, (29) 455.	viciae, notes, (29) 243; (39) 850. viciae, treatment, (32) 545.
Perillus 800., notes, (27) 755.	viciae, treatment, (32) 545.
Perinephritis in domestic animals, (26) 176.	viticola, sce Grape downy mildew.
Periodates, determination, (34) 712.	Peronosporaceae—
Periodicity, biological, (39) 317. Periodids, organic, studies, (34) 502; (36) 313.	notes, (32) 544.
Periodics, organic, studies, (34) 502; (36) 313.	perennial mycelium in, (34) 154.
Periodol, studies, (39) 80, 286.	Peronosporales, North American, studies, (32) 442.
Periplaneta—	Peroxidase—
americana, see Cockroaches, American.	action on chlorophyll, (37) 203.
australasiae as a cotton pest, (32) 348. orientalis, remedies, (28) 157.	active principle of, (29) 202.
Peripneumonia in bovines, immunization, (26) 676.	activity in diseased potatoes, (26) 548. as a ferment, (26) 202.
Perisierola—	as affected by alkalis, (29) 202.
emigrata n.sp., description, (37) 569.	ferment nature of, (30) 11.
emigrata, parasitic on pink bollworm, (37) 667.	histological-chemical detection, (26) 278.
' migrifornise motor (27) ERD	in alfalfa, (32) 411.
Perisoreus obscurus n.subsp., description, (39) 154. Perisporiaceae of South Africa, (40) 132. Perisporium wrightii, studies, (27) 352. Perissarthron, new genus, (40) 655. Perissopterus pulchelius, notes, (31) 356. Periso	human milk, (26) 410.
Perisportaceae of South Africa, (40) 132,	mammary gland, (32) 412.
Perisporium wrightii, studies, (27) 352.	milk as affected by heating, (29) 310.
Perissarthron, new genus, (40) 655.	milk inactivation (40) 11
Perissopterus pulchellus, notes, (31) 356.	milk, notes, (29) 413.
E divoluciam, absorption of tal in, (52) 505.	milk, notes, (29) 413. sterile milk, (28) 411. investigations, (33) 409.
Peritonitis—	investigations, (33) 409.
in poultry, (39) 791.	isolation from plants, (26) 326.
purulent, of the hen, (39) 393. Peritymbia (Phylloxera) vitifolli pervastatrix,	notes, (27) 803.
notes, (32) 847.	plant, mode of action, (36) 609. properties and action, (28) 609.
Permanganate—	reactions of milk, (32) 412.
of notech uses against seems seems and 10% aco	relation to respiratory pigments of plants, (26)
solutions, preparation and keeping qualities.	326.
solutions, preparation and keeping qualities, (38) 412.	separation from catalase, (27) 408.
Permeability—	use of term, (33) 329.
as affected by trivalent and tetravalent cations,	Peroxydiastase of wheat, resistance to heat, (25) 866.
(34) 34.	Perphosphate—
notes, (35) 734.	effect on activity of soil bacteria, (31) 821.
of barley grain, (40) 519.	use in agriculture, (38) 330.
plant tissue, studies, (34) 731; (37) 128, 326, 431, 632; (38) 25; (39) 25, 26, 223, 630, 730. soils, (27) 819.	Perries, single-variety, (40) 414.
soils. (27) 819.	Perry—
SQUS, determination (28) 20	analyses, (35) 717; (38) 114.
soils, relation to irrigation, (32) 586; (38) 788.	clarifying with casein, (26) 26. defective, utilization, (40) 116.
soils, relation to irrigation, (32) 586; (38) 788. protoplasmic, colloidal hypothesis, (40) 818.	home manufacture, (40) 116.
soldenve, in riving dens, (58) 525.	Se8-
studies, tissue tension method. (37) 326.	gratissima, new boetle affecting, (26) 151.
Permutite-	pubescens, analyses, (26) 612.
absorption of phosphoric acid by, (28) 518. nitrogen, assimilation by plants, (29) 127, 517.	Persimmon codding moth in Japan, (40) 52, 167.
Perceid conglisidel release (24) 247, (25) 127, 517.	Persimmons—
1 erocia, rangician value, (34) 847; (35) 46; (38) 151.	acidity, (32) 110; (37) 714.
Perodipus ordii luteolus n.subsp., description, (37) 757.	acidity, (32) 110; (37) 714. adaptation and variety tests, (29) 41.
Peromyscus eremicus papagensis n.subsp., descrip-	ardinelal ripening of, (20) 327,
tion, (37) 757.	astringency in, (35) 820. beetles affecting, (27) 458.
Peronea minuta, parasites of, (31) 752	changes in during sincolne (90) 444
Peronia ferrugana, notes, (29) 252.	changes in during rinening, (28) 444.
Peronoplasmopara—	culture and use, (32) 744. culture in southern Texas, (32) 539.
cubensis, notes, (32) 342.	diseases in Japan, (40) 52.
cubensis, studies, (36) 249. sp. on hemp, (38) 753.	dried, preparation, (27) 344.
sp. on hemp, (38) 753.	induction of nonastringency in, (29) 264.
reronospora—	Japanese '
arborescens, notes, (31) 641; (34) 50; (36) 449;	analyses, (28) 525.
(38) 547.	anthracnose of, (27) 251; (37) 656.
halariae n.sp., studies, (29) 552. cubensis, notes, (28) 443.	as affected by pollination, (31) 440. culture experiments, (28) 142; (38) 41.
effusa, notes, (26) 548; (37) 550.	culture experiments, (28) 142; (38) 41.
effuse, cospore parasite of, (31) 641.	Curture in Camorina, (50) 141.
gangliformis, prevention, (26) 342.	pollenizers for, (30) 740. ripening artificially, (27) 344.
grisea, notes, (31) 546.	loss of astringency during ripening, (26) 327.

Persimmons—Continued.	Phaenodiscus partifuscipennis n.sp., description
navel, notes, (36) 536. new descriptions, (29) 436; (31) 337.	(36) 260. Phaeoptilon spinosum, analyses and digestibility,
notes, (34) 43.	(32) 167.
parthenogenesis in, (29) 837. premature dropping, prevention, (26) 237.	Phaeosphaerella—
processing experiments, (27) 344.	japonica n.sp., description, (27) 140. macularis, notes, (29) 51.
reducing and nonreducing sugars in, (29) 503.	Phaeosphaeria bambusae n.sp., studies, (27) 154.
seedless fruits of, (32) 142. stocks for, (32) 337.	Phagocytosis— notes, (26) 676.
tannin masses in, (30) 502.	principles of (32) 78.
tannin-colloid complexes in, (26) 564; (27) 228.	Phalacrus curruscus, notes, (30) 241.
Perstillation, notes, (37) 409. Peruvian bark, methods of analysis, (37) 113.	Phalaris— bulbosa—see also Canary grass.
Pervaporation, notes, (37) 409.	culture experiments, (34) C31.
Pestalozzia— briardi, notes, (38) 448.	culture in Hawaii, (32) 729. culture in Rhodesia, (27) 32.
capiomonti n.sp., description, (28) 443.	culture under dry farming, (30) 435.
felloae and P. lucae n.spp., (39) 549.	culture under irrigation, (33) 228.
capiomonti n.sp., description, (28) 443. feijoae and P. lucao n.spp., (39) 549. tunerea, morphology and life history, (32) 346. tunerea, notes (38) 225. 349. funerea, notes and treatment, (27) 548.	notes, (30) 434. production and use, (40) 442.
funerea, notes and treatment, (27) 548.	nodosa, analyses, (33) 169.
hartigi, notes, (27) 451. heterospora n.sp., description, (30) 48.	spp., culture experiments, (27) 234. stenoptera, culture in California, (38) 637.
hatorspora n.s.p., description, (30) 48. palmarum, notes, (26) 145; (28) 241; (33) 545, 650; (34) 56, 241, 442; (35) 153, 243, 251; (36) 347; (37) 252, 253, 452; (38) 354, 758; (39) 57. sp., notes, (29) 345; (31) 646. sp. on grapes, (32) 751. sp. on Hevea and Kentia, (36) 348.	Phalera bucephala, destruction by heat, (28) 752.
(34) 56, 241, 442; (35) 153, 243, 251; (36) 347;(87)	Phalonia—
sp., notes, (29) 345; (31) 646.	rutilana, notes, (28) 554. spartinana, life history, (37) 358.
sp. on grapes, (32) 751.	Phanerogamic parasites, notes, (31) 641.
sp. on tea, (38) 354.	erythrocephala n.sp., description, (38) 165.
spp., notes, (30) 152; (39) 453.	franklini n.sp., description, (38) 165.
spp., on cacao, (36) 347. spp., relation to apple rot, (33) 348.	franklini n.sp., description, (38) 165. tibialis, notes, (31) 453, 752. tibialis, parasitism, (33) 353.
these n.sp., description, (38) 648. uvicola, notes, (31) 844; (39) 52.	Phanurus—
uvicola, notes, (31) 814; (39) 52.	emersoni n.sp., description, (35) 659.
versicolor, notes, (30) 351. Pests in Montana, (31) 648.	flavus n.sp., description, (32) 454. Phaonia signata, hibernation, (34) 254.
Petalidium—	Phaonia spp., studies, (37) 764.
physaloides, analyses and digestibility, (27) 871.	Pharbitis hederacea, fasciation in, (37) 434.
spp., analyses and digestibility, (32) 167. Petermann's solution, preparation, (32) 116.	Pharmaceutical chemistry, review of literature, (32) 678.
Petioles, change into stems, (35) 27.	Pharmacognostic tables, book, (32) 79.
Petrel, leach, subspecies of, (38) 556. Petrochelidon lunifrons lunifrons, destruction of	Pharmacology—
locusts by, (28) 351.	for veterinarians, textbook, (29) 580. papers on, (29) 676; (33) 279. progress in 1910, (28) 777.
Petrol, effect on soil microorganisms, (31) 27. Petrolatum dressing for burns, (40) 883.	progress in 1910, (28) 777.
Petroleum—	studies, (31) 277.
as wood preservative, (28) 344.	Pharmacopoeia— extra British, (29) 580.
fats and fatty acids of, (38) 714. fly, notes, (27) 862.	of United States, (32) 875; (36) 378.
fuels, carburetion, (37) 188.	Phaseolin— lysin content (31) 559.
insecticides, selection, (40) 59. oils, effect on corn, (32) 729.	utilization, (26) 564.
ous, iractionating apparatus, (39) 414.	Phaseolus—
oils, larvieidal value, (39) 466. oxidation as affected by colloids, (30) 431.	aconitifolius, analyses, (38) 368, 572. aconitifolius, culture experiments, (37) 131.
products, effect on dormant trees, (29) 354; (30)	acutifolius
657.	culture experiments, (38) 635.
products, inspection in South Dakota, (31) 359. Petroselinum sativum, notes, (30) 434.	var. latifolius, notes, (28) 640. adenanthus, culture, (34) 736. angularis, studies, (40) 131.
Pets, domestic, treatise, (28) 173. Pets, history and care, (38) 776.	angularis, studies, (40) 131. calcaratus, effect on nitrogen content of soils,
Petunia mosaic disease, studies, (36) 647.	(31) 733.
Petunias—	lunatus—
cut, preservation, (31) 837. double seeding, notes, (34) 44.	analyses, (29) 215. culture experiments, (36) 830; (38) 635.
inheritance of doubleness in. (34) 237; (36) 826.	intoxication of horses by, (26) 887.
Pawass, feeding habits, (28) 57.	selection experiments, (38) 635. multiflorus, bud variation in, (35) 329.
Peyote, narcotic, studies, (34) 336. Poziza calycina, studies, (32) 844. Peziza (?) coffeicola, notes, (38) 51. Pezizala combunchi locan par potes (37) 148	mungo, analyses, (38) 572.
Peziza (?) coffeicola, notes, (38) 51.	mungo as green manure for rice, (30) 339.
	mungo, culture experiments, (38) 749. mungo for classroom work in genetics, (37) 831.
Pezomachus perniciosa n.sp., description, (30) 256. Pezoporus (Schenkia) tenthredinarum n.sp., de- scription, (34) 456.	mungo radiatus, analyses, (35) 305.
Scription, (34) 456. Pfeffer, Wilhelm, jubilee volume, (35) 430.	mungo radiatus, nodule formation, (38) 529. radiatus, analyses, (38) 572.
Phacelia tanacetifolia, culture and analyses, (29)	semierectus as green manure, (37) 320.
535. Phacidiella discolor, see Phacidium discolor.	semicrectus, culture, (31) 736.
Phacidium—	spp., agglutinating properties of seed, (31) 774. spp., analyses, (31) 868.
discolor, notes, (27) 448; (37) 246. infestans, notes, (28) 750; (37) 458.	snn., analyses and digestipulty, (20) 404.
infestans, notes, (28) 750; (37) 458. infestans on western conifers, (36) 752.	spp., descriptions, (31) 739. spp., notes, (26) 362.
Phacopsora vitis, notes, (27) 353.	trinervis, notes, (30) 525.
Phadroctonus argyresthiae n.sp., description, (38)	variation due to effect of light, (39) 527. vulgaris, relation of mortality to seed weight,
165. Phaedon betulae, notes, (27) 457.	(28) 636; (30) 237.
Phaedon cochleariae, notes, (36) 658.	vulgaris, tetracotyledonous race, (36) 522.

Phasianus—	Phidippus coloradensis, notes. (29) 155.
and Gallus hybrids, sex organs of, (28) 877.	Philaematomyia—
spp., notes, (27) 355. Phasin, against against properties, (31) 771.	erassirostris, notes, (31) 777. Insignis, mouth parts and sucking apparatus of,
Phasin, notes, (30) 201.	(29) 700.
Pheancella beyone n.sp., description, (27) 45.	Philaenus spp.—
Pheasant Lybrids, sterifity in, (19) 575.	injurious to grass, (36) 856.
Pheasurts -	Philographys Leadure notes (36) c51
and towls, hybridization experiments, (29) 575, artificial insemination in, (31) 370.	Philagathes factus, notes, (36) (51. Philaronia bilineata, life history, (36) 458.
breeding and care, (%) 275.	Philephedra theobromae n.sp., description, (35) 358.
inceding experiments, (28) 578.	Philippine -
care and mangement, (31) 569.	College of Agriculture, notes, (36) (00; (37) 100.
Chinese, in Missou 1, (27) 550.	Islands, development, (35) 193. Phillipsite—
crossbreeding experiments, (34) 561, crossing with fowls, (27) 573.	extraction of potash from, (27) 323.
food habits, (40) 254.	fertilizing value, (27) 725.
habits of, (31) 154. hybridization, (20) 206, 564; (32) 869.	1 hillyren media, fatty acids of, (31) 312
hybridization, (20) 266, 564; (32) 869.	Philogalleria sextuberculata n.sp., description, (28)
notes, (27) 355. propagation, (28) 752.	Philoponectroma pectinatum n.sp., description,
rudinientary parthenogenesis in, (31) 765.	(31) 355.
secondary sex characters in, (26) 774; (40) 871.	Philotrypesis n.spp., descriptions, (3d) 55.
secondary sex characters in, transmission, (32)	Philtraca elegantaria affecting privet, (38) 765.
264.	Phlebatrophia mathesoni, notes, (29) 252, Phlebotomi, Maltese, studies, (35) 57.
unilateral development of secondary male characters in, (31) 271.	Phlehotomus-
Pheidole megacephala—	atroclavatus n.sp., notes, (30) 658.
as fruit-fly enemy, (40) 159.	habits, (29) 856.
destructive to flies, (30) 554.	life history, (26) 340.
notes, (38) 557. Phellomyees scieratiophorus, notes, (36) 541.	minutus africanus, relation to oriental sore, (32) 780.
Phenacuspis eugenine, notes, (29) 654.	minutus, flagellate infection of, (32) 60.
Phenacetin, periodids of, (34) 502.	minutus, natural host of, (30) 159.
Phenacoccus—	papatasii, notes, (26) 656.
acericola, notes, (26) 147, 856; (33) 253; (34) 752.	papatasii, relation to "three days fever," (32)
aceris, notes, (38) 464. artemisine, parasite of, (29) 359.	59; (37) 460. review of literature, (30) 159.
n.spp., descriptions, (40) 262.	verrucarum, relation to verruga, (30) 252, 658;
spp., notes, (29) 251.	(32) 248, 350; (37) 358, 160.
Phenic acid, aerobic fermentation, (30) 28.	verrucarum, review of investigations, (35) 258
Phenice moesta, notes, (26) 857.	vexator, feeding habits, (31) 352. Phlegethontius—
Phenodomus destruens, studies, (31) 156. Phenol—	quinque-maculatus, see Tobacco worm.
absorption by barley seeds, (37) 25.	sexta, see Tomato worm.
action on plants, (40) 520.	spp. injurious to horse nettle, (35) 657.
antiseptic value, (40) 182. antiseptics, (39) 184, 185, 586.	Phleospora pteleae n.sp., description, (37) 748.
as milk preservative, (82) 576.	Phlepsius—
serum preservative, (33) 280.	apertus, life history, (35) 553. irroratus, notes, (27) 858.
soil disinfectant, (31) (21.	n.sp., description, (34) 255.
wood preservative, (27) 314.	Phleum, ash constituents of, (30) 334.
detection, (26) 412; (28) 805. disappearance from crossoted wood, (29) 111.	Phlocophthorus liminaris, see Peach bark beetle
. effect on soil organisms, (31) 27; (38) 420.	Phlocosinus n.spp., descriptions, (25) 856
effect on "virus fixe" of rabies, (23) 88.	Phlocothipidae, synony my, (35) 255 Phlocothrips oleae—
excretion by sheep, (28) 874.	endophagus parasite of, (26)
exerction on exclusive out diet, (40) 273. fallacies regarding, (35) 484.	endophingus parasite of, (26) enemies of, (26) 246.
in oil, germicidal power, (40) 882.	notes, (27) 65.
oxidation by peroxidase, (29) 202. polyatomic, detection in apples, (26) 208.	Phlocotribus—
polyatomic, detection in apples, (26) 208.	liminaris, notes, (36) 25%. oleae, notes, (27) 857.
preservatives, determination in serums, (38) 316.	porteri, notes, (37) 460.
sterilization of soils by, (32) 816.	puncticollis, notes, (27) 458.
toxicity, (38) 283.	Phlomis pungens, drought resistance, (36) 734
use against tetanus, (29) 888.	Phlorizin, action on milk secretion, (37) 272.
Phenological observations —	Phlox— as bost of solworn (24) 240
at Wauseon, Ohio, (33) 825.	as host of celworm, (34) 349. culture in Alaska, (29) 743 drunmondii, heredity of color in, (33) 644.
importance, (34) 536,	drummondii, heredity of color in, (33) 644.
in British Isles, (37) 717; (40) 210. in Holland, (40) 716.	nematores affecting, (31) 50.
in Nova Scotin, (36) 208.	plant bug in Maryland, (38) 155. varieties, (34) 836.
on cereals, (40) 811.	****
Phenology-	ferrugalis, notes, (26) 147; (28) 854; (37) 255
relation to fruit culture and agriculture, (29 15.	hevene n.sp., notes, (39) 452.
use in agriculture, (26) 613.	ruhigalis, notes, (26) 147.
value of temperature sums in, (27) 509. Phenolphthalein, detection in ethyl alcohol, (29)	Phlyctaenodes—
312.	mudalis, notes, (31) 849.
Phenolsulophthalein—	sticticalis, life history and remedies, (31) 550,
electrical conductivity, (37) 409. indicators, studies, (40) 202.	551. sticticalis, notes, (31) 155, 157, 548.
Phenospermy in Nicotiana, (34) 136.	Phobetes albinopennis, notes, (27) 558.
Phenylalanin-	Phoebe, black, destruction of locusts by, (28) 351.
action upon esters, (31) 711.	Phoebes, feeding habits, (28) 57.
as source of ammonia, (29) 723. Phenylhydrazids of acids of sugar group, (37) 201.	Phoenicococcus marlatti—
Phenylhydrazin reaction, modification, (26) 115.	notes, (20) 255. remedies, (30) 358.

Dhaany	701
Phoenix— canariensis, culture in Arizona, (32) 233.	Phonolite—
dectylitera, culture in Egypt, (27, 645.	as source of potash, (36) 728. effect in water culture, (23) 817.
ripening processes of, (26) 310.	effect in water culture, (28) 817. fertilizing value, (28) 726; (27) 125, 421, 725; (28) 522; (29) 215, 319, 625; (30) 221, 427, 527, 724; (31) 423, 519, 527.
skipper, life history and habits, (29) 655.	522; (29) 215, 310, 625; (30) 221, 427, 527, 724;
Pholiota—	(31) 423, 519, 527.
adiposa, description, (35) 755.	ground, termizing value, (28) 125.
spp. on forest trees, (40) 349.	ground, zeolitic properties, (29) 518. indirect effects of, (28) 725.
Phoma— anethi, notes, (28) 851.	meal, fertilizing value (35) 393
apiicola, relation to celery root scab, (33) 547.	notesh solubility (41) 208
aplicola, studies, (30) 847.	solubility, (30) 221.
aplicola, treatment, (33) 848.	solubility, (30) 221. Phonolites, Austrian, fertilizing value, (38) 726. Phonolith as fertilizer, (26) 526.
arbuti n.sp., description, (37) 557.	Phononth as fertilizer, (26) 526.
asparagi and Cytospora stictostoma, relation,	fasciata, notes, (39) 838.
(38) 752. batatae, notes, (29) 153.	spp., destruction of Melipona bees by, (31) 255.
hatatae studies (98) 548	spp., larval morphology, (30) 757.
betae, nitrogen fixation by, (37) 129.	Phoracantha—
betae, nitrogen fixation by, (37) 129. betae, notes, (26) 545; (27) 514, 728; (20) 647; (30) 47, 448; (31) 341; (34) 350. betae on sugar beet leaves, (33) 246. betae on sugar beet leaves, (33) 246.	recurva, notes, (36) 360.
(30) 47, 448; (31) 341; (34) 350.	semipunctata on eucalyptus, (39) 868. Phoradendron—
betae on sugar peet leaves, (33) 246.	juniperinum libocedri, parasitism, (27) 655.
betae, physiology of, (28) 545, 628; (33) 53. betae, relation to sugar beet damping off, (33)	parasitic on Phoradendron, (40) 226.
246.	sp., notes, (37) 453.
betae, studies, (34) 156; (35) 546.	villosum, infection experiments, (30) 247.
betae treatment, (2d) 648. brassicae, notes, (34) 241.	Phorantha occidentis, notes, (36) 255.
brassicae, notes, (34) 241.	Phorbas mirabilis, studies, (40) 265. Phorbia—
bumeliae n.form, description, (37) 748,	brassicae, see Cabbage maggot.
cajani, notes, (34) 52. cinerescens, notes, (38) 454.	ceparum, see Onion maggot.
cincrescens, notes, (38) 454. citricarpa, notes, (31) 644.	fuscions—see also Bean fly and Bean magnet.
citricarpa, treatment, (33) 149; (37) 352.	notes, (27) 864; (32) 443; (36) 657; (37) 854. remedies, (30) 355.
cookei rectispora n.var., description, (32) 149.	muscaria, hibernation, (34) 254.
destructiva on tomatoes, (33) 147.	Phoridae—
foeniculina, notes, (30) 240, 746. (Fusicoccum) cineresceus, notes, (27) 747.	in United States National Museum, (30) 56.
hevese, notes, (35) 45.	synonymic catalogue, (34) 654.
lavandulae, studies, (36) 851.	Phormia—
layandulae, studies, (34) 851. lingam, studies, (40) 846. mali, notes, (34) 543, 646; (37) 842.	azurea, sense reactions, (40) 850.
mali, notes, (34) 543, 646; (37) 842.	regina, life history (20) 656
napodrassicae, notes, (29) 547.	reging, notes, (28) 255; (34) 554; (35) 161.
niphonia n.sp., description, (35) 348. oleracea, notes, (39) 52.	azurea, sonse reactions, (40) 850. regina, hibernation, (89) 202. regina, life history, (80) 656. regina, notes, (24) 255; (34) 554; (35) 161. Phormiclum tenue, notes, (28) 31.
oleracea, studies, (26) 516.	r norman centr-
pectinata n.sp., description, (37) 748.	binder twine from, (27) 534.
piceina, description, (27) 450.	fiber, strength of, (29) 313. Phorocera—
pigmentivora n.sp., description, (27) 253 pithya, notes, (20) 852. pomi, notes, (27) 652, 849; (30) 541; (38) 550.	elarinennis—see also Euphorocera clarinennis
pithya, notes, (20) 502.	elaripennis—see also Euphorocera claripennis. notes, (29) 455; (31) 752.
rostrata n.sp., description, (32) 842.	parasitic on alfalfa caterpillar, (32) 53.
socia n.sp., description, (35) 153.	parasitic on army worm, (34) 251.
solani, notes, (31) 747.	erecta, parasitic on heet webworm, (26) 250.
sp. affecting potators, (31) 345.	saundersii, notes, (24) 253. xanthura, notes, (27) 559.
sp. affecting sugar cane, (31) 539.	Phorodon humuli, see Hop aphis.
sp., injurious to figs, (26) 449. sp., notes, (28) 750; (30) 651, 747.	Phosphatases in malt, (34) 502.
sp. on potatoes, (40) 51.	Phosphate
sp. on young cedars, (38) 53.	agricultural, fertilizing value, (31) 820.
spp., inoculation experiments, (27) 651.	Algerian, fertilizing value, (29) 519, 632; (31) 820.
spp., notes. (29) 547; (31) 244, 646.	Algerian, utilization in different soils, (30) 221. ammonium-magnesium, from urine, (40) 320.
spp., treatment, (33) 818. tabifica, notes, (26) 717; (37) 249.	basic, fertilizing value, (35) 128.
tuberosa n.sp., description, (36) 249.	hasic lime, analyses, (39) 222.
umbilicaris n.sp., description, (26) 449	Belgian, fertilizing value, (31) 518.
Phomonsis—	Bernard, fertilizing value, (31) 820; (32) 323.
British species, (38) 752.	buffer mixtures, hydrogen electrode potentials of, (35) 801.
eitri—	calcined, analyses, (32) 32.
description and history, (40) 158.	calcined, fertilizing value, (30) 427, 721; (38) 619.
distribution, (38) 757.	citrate-soluble, fertilizing value, (28) 721.
life history and treatment, (28) 245.	deposits—
n.sp., notes, (28) 549. notes, (29) 248.	awards for location in Germany, (39) 521. in Alabama, (31) 31.
relation to citrus gummosis, (37) 656.	Alberta, (35) 429.
studies, (28) 651; (29) 247; (31) 750; (33) 55;	Australia, utilization, (40) 25.
(39) 56.	Chile, (32) 723.
treatment, (33) 149. kalmiae n.sp., description, (39) 253.	Decatur County, Tennessee, (29) 822.
Kalmiae n.sp., description, (39) 253.	Egypt, (30) 723.
inoculation experiments, (31) 150.	Florida, (34) 424, 821.
n.sp., description, (28) 748.	Florida, origin, (30) 222. • Idaho, (28) 626; (31) 622; (35) 429.
n.sp., notes, (29) 154.	Idaho and Wyoning, (40) 725.
notes, (34) 247; (36) 451.	Idaho and Wyoming, (40) 725. Madaguscar, (30) 724; (31) 623.
relation to apple rot, (33) 348.	Montana, (28) 626; (32) 323; (34) 320; (36)
palmicola arecae n.var., notes, (37) 148.	728. Naura Island. (31) 321
sp. on eggplant, (39) 454. sp., studies, (26) 449.	Naura Island, (31) 321. North America. (27) 500; (29) 128.
vexaus n. comp., studies, (31) 747.	North America, (27) 500; (29) 128. northern Utah, (32) 217.
Phomotospora migrans n.sp., notes, (37) 148.	Russia, (27) 521.

Phosphate-Continued.	Phosphate—Continued.
deposits-continued.	rock—continued.
in Salt River Range, Wyoming, (35) 219.	for Missouri soils, (33) 212, 213, 214, 215.
Siam, (33) 220. South Africa, (40) 127.	peaty pastures, (36) 425, 740. pig feeding, (40) 772.
South Carolina, (30) 27; (33) 518.	ground, analyses, (27) 327.
southwestern Virginia, (30) 626. Tennessee, (31) 220; (32) 723; (34) 724; (35)	ground, as affected by ensiling, (31) 422, 623, ground, effect on maturity of cotton, (31) 39
522; (36) 220.	ground, fertilizing value, (26) 33, 426, 317;
the Ukraine, (40) 320. Tunis, origin and formation, (28) 523.	(31) 630.
United States, (27) 22, 327, 627; (31) 323,	heat treatment of, (31) 823. methods of analysis, (27) 610.
518.	mining and preparation, (31) 725.
western United States, (29) 822. mineralogy and geology of, (35) 429.	mining in Florida, (31) 323. mixing with superphosphate, (37) 816.
occurrence and mining, (33) 126.	of United States, (30) 428.
origin, (31) 725. western, origin, (39) 820.	origin and preparation, (34) 724. proparation, (39) 724.
effect on cranberries, (30) 143.	rock, production—
effect on growth of tubercle bacilli, (29) 381. exerction as affected by water drinking, (34) 763.	and use, (32) 126, 425; (33) 218, 219, 819; (39)
exerction during fasting, (30) 764.	819. in Florida, (29) 25; (30) 222. 1910, (26) 34. 1911, (27) 326. 1912, (29) 519. 1912-13, (31) 323, 422. 1914, (35) 121; (36) 124.
field of central Kentucky (39) 329.	1910, (26) 34.
fixation, enzymatic, notes, (28) 804. flour, fertilizing value, (33) 227.	1912, (29) 519.
flour, fertilizing value, (33) 227. for spinach, (32) 540.	1912-13, (31) 323, 422.
in New Zealand, (34) 519.	1914, (36) 121; (36) 124.
industry in Algeria, (29) 519.	1915, (36) 219. 1916, (37) 816. 1917, (39) 821.
industry in United States, (37) 217.	1917, (39) 821.
herose, ns affected by enzyms, (30) 410. in New Zeoland, (34) 519. industry in Algeria, (29) 519. industry in United States, (37) 217. induble, fortilizing value, (36) 332. insoluble, utilization by plants, (28) 526; (29)	United States, (32) 424; (36) 428.
140.	raw, assimilation by plants, (33) 519.
islands, coral, in Pacific Ocean, (31) 725. mineral, fertilizing value, (39) 625.	raw, fertilizing value, (26) 33; (30) 25; (32) 325, 629; (33) 32, 723.
mineral, fertilizing value, (39) 625. mining practice in Tennessee, (29) 517. natural, fertilizing value, (34) 330.	solution by soil bacteria, (35) 723.
Norwegian, fertilizing value, (34) 330. Norwegian, fertilizing value, (34) 518.	statistics in United States, (27) 327. sulphur-treated, solubility in calcareous
of lime, see Calcium phosphate.	soil, (40) 128.
Palmaer— forbilizing polys (27) 500: (28) 222: (24) 230	Tunisian, fortilizing value, (30) 721. use as fertilizer, (30) 127; (34) 328.
fertilizing value, (27) 500; (28) 222; (34) 330. preparation, (28) 222.	use on poor soils, (31) 217.
residual cirects, (20) 428; (28) 33.	utilization by oats and lupines, (31) 733. v. superphosphate, (35) 520.
potash fertilizers, new , (38) 519, 726. potash fertilizers, Schröder's, tests, (38) 520.	i wasta in Flatida (28) 221
precipitated, as affected by calcium carbonate,	salts, toxidity to soy beans, (39) 727, 827. Thomas, fertilizing value, (34) 431; (37) 521. tricaldium, solubility, (39) 23. Tunis, for peat soils, (29) 519. y. potash fertilizers, (40) 824.
(2h) 428. precipitated, fertilizing value, (37) 323.	tricalcium, solubility, (39) 23.
Redonda, fertilizing value, (33) 723.	Tunis, for peat soils, (29) 519.
reverted, fertilizing value, (39) 521. Rhenania, description, (38) 520.	V. potasi tertilizers, (40) 824. Viborg, fertilizing value, (27) 627.
rock—	Wolter's, fertilizing value, (34) 330.
action of citric and nitric acids on, (40) 506.	Phosphates—see also Superphosphates. absorption and solution in soils, (35) 512.
action of mineral acids on, (36) 711. action of sulphurous acid on, (34) 220.	absorption by soils, (26) 122.
analyses, (31) 823.	after effects, (33) 723. Algerian and Tunisian production (27) 727
rock as affected by—	absorption by soils, (26) 122. after effects, (33) 723. Algerian and Tunisian, production, (27) 727. analyses, (26) 127; (34) 222; (35) 428. as affected by————————————————————————————————————
ammonium nitrate, (28) 225. grinding, sifting, and roasting, (34) 220.	as affected by
iron sulphid, (29) 419.	ammonium sulphate, (28) 818. calcium carbonate, (20) 527; (27) 726.
nitrification, (39) 21. sulphur and manure. (39) 118.	formenting manure, (29) 23.
rock—	fermenting mixtures, (29) 624. lime, (26) 427.
as corrector of soil acidity, (40) 815.	lime, (20) 427. availability, (28) 815.
availability, (27) 726. availability as affected by cow manure, (27)	availability as affected by lime, (28) 223. bibliography, (27) 22.
726.	calcium, iron, and aluminum, comparison, (40)
availability for plants, (35) 520. calcined, fertilizing value, (26) 33.	25. comparison. (29) 319, 418, 516, 519, 632, 797; (30)
composting with sulphur, (36) 26; (38) 817;	comparison, (29) 319, 418, 516, 519, 632, 797; (30) 25, 26, 126, 427, 721; (31) 518, 630, 820, 823; (32)
(39) 624, 821. composting with sulphur and manure, (39)	323, 325, 518, 721; (33) 722; (34) 327, 330, 331, 518; (35) 323, 428; (36) 427, 428, 626, 738, 820;
118.	(37) 23, 521, 816, 831; (38) 218, 519, 527, 610, 625, 726, 817; (39) 22, 24, 25, 32, 127, 220, 327, 436,
conservation, (36) 219, 220. effect on composition of wheat, (38) 518.	726, 817; (39) 22, 24, 25, 32, 127, 220, 327, 436, 438, 446, 520, 528, 537, 623, 625, 818; (40) 134,
enect on hitrogen fixation, (28) 816.	438, 446, 520, 528, 537, 628, 625, 818; (40) 134, 230, 242, 516, 723, 724, 734, 828.
effect on tomatoes, (29) 339. factors affecting availability, (27) 127.	composition, (30) 839.
fortilizing value, (27) 325, 434; (28) 721, 737,	crude, judging, (31) 16. dotermination, (26) 708.
815, 816; (29) 31, 418, 831; (31) 139, 823;	determination in soil extracts, (32) 805.
425, 626, 735, 738, 820; (37) 214, 228, 831;	determination in soils, (27) 515.
18ctors affecting availability, (27) 127. fortillizing value, (27) 325, 434; (28) 721, 737, 815, 816; (29) 31, 418, 831; (31) 139, 823; (32) 518; (33) 518; (35) 552, 724; 436) 23, 425, 626, 735, 738, 820; (37) 214, 228, 831; (38) 217, 325, 326, 422, 619, 625, 817, 825; (39) 22, 25, 32, 127, 220, 327, 335, 436, 520, 528, 537, 624, 818, 819. fertillizing value and use, (37) 728.	l potimity of coil bootonia (21) 221
528, 537, 624, 818, 819.	ammonia production and use in killed plants, (28) 327. ammonification, (28) 724. apples, (28) 144; (29) 438. carbon-dioxid evolution in plants, (26) 822.
fertilizing value and use, (37) 723. field test for, (26) 34. finely ground, fertilizing value, (28) 816.	ammonification, (28) 724.
neid test for, (20) 34. finely ground, fertilizing value, (28) 816.	apples, (28) 144; (29) 438. carbon-dioxid evolution in plants. (26) 822.
for fowls. (31) 569.	composition of meadow hay, (31) 524, 622,

Phosphates—Continued. effect on—continued.	Phosphates—Continued. sources in United States, (26) 819.
conservation of pears, (29) 640.	trade in, (31) 29.
conservation of pears, (29) 640. farm products, (27) 326. flax fiber, (31) 332.	trade in, (31) 29. treatise, (33) 126. use, (35) 325.
flax fiber, (31) 332. grasslands, (35) 630.	in France, (27) 727.
living yeast cells, (26) 309.	in Minnesota, (37) 217.
milk production, (34) 670.	in Victoria, (29) 214.
nodule production, (32) 727; (33) 134.	on New Zealand soils, (29) 730. on pastures, (26) 437.
plant respiration, (26) 627; (27) 731. proteolytic enzyms, (27) 108; (29) 309. root development, (33) 526; (34) 518. soil hactera, (33) 515; (38) 518.	on pastures, (26) 437. on red soils, (32) 723.
root development, (33) 526; (34) 518.	utilization by plants, (38) 330. utilization in different soils, (30) 221.
soil bacteria, (33) 515; (38) 818. solfofying power of soils, (37) 119.	valuation, (30) 26.
toxic action of cumarin, (28) 526.	world's supply, (39) 521.
yield of cotton, (31) 136.	Phosphatese— action, (27) 407, 408; (28) 110, 202,
yield of wheat, (33) 729. experiments in Minnesota, (40) 320.	action, (27) 407, 408; (28) 110, 202. as affected by toluol, (28) 803.
experiments in Minnesota, (40) 320. fertilizing value, (26) 427, 622; (27) 534, 627, 639; (28) 827; (30) 836; (32) 723; (37) 124, 229; (38)	investigations, (30) 203. Phosphatic—
(28) 827; (30) 836; (32) 723; (37) 124, 229; (55) 133.	fertilizer, new, (39) 427, 428.
fixation in Java soils, (30) 722.	fertilizers—
for cotton, (31) 40.	assimilation, (27) 725. comparison, (26) 31, 123, 428, 536, 537, 538,
cranberries, (34) 150. forest nurseries, (32) 47. Kentucky soils, (35) 122; (39) 421. moor soils, (39) 438; (40) 230. Ohio soils, (39) 217. red soils of Brazil, (35) 725. sugar cane, tests, (38) 135. history and use, (31) 125. importance, selection, and use, (33) 624.	622, 817, 837; (28) 124, 721, 816.
Kentucky soils, (35) 122; (39) 421.	effect on keeping quality of fruit, (27) 644.
moor soils, (39) 438; (40) 230.	effect on pasture grasses, (27) 125. relation to grape chlorosis, (28) 344.
red soils of Brazil, (35) 725.	review of investigations, (27) 128.
sugar cane, tests, (38) 135.	use in France, (27) 326.
importance, selection, and use, (33) 624.	marls, analyses, (36) 821. sands in Yonne, France, (27) 422.
imports into Europe, (29) 319.	
imports into Europe, (29) 319. in animal nutrition, (31) 782. rain and snow, (40) 19. solls as affected by ignition, (29) 317.	siag—screen constituents of, (30) 723. analyses, (30) 27; (37) 323. analyses and fertilizing value, (35) 520. application tests, (26) 331.
soils as affected by ignition. (29) 317.	analyses and fertilizing value, (35) 520.
the diet, (30) 465.	application tests, (26) 331.
urine, conservation, (29) 317.	ammonium sulphate, (28) 818.
industry in United States, (39) 120. inorganic, of soils, treatise, (27) 21.	calcium carbonate, (26) 425, 527. crumbing, (30) 722.
insoluble, conversion, (40) 725.	slag—
insoluble, utilization by plants, (26) 321. manufacture, (28) 818; (34) 329.	as soil neutralizer, (37) 815; (40) 125. availability, (29) 797; (37) 816; (39) 24.
manufacture from milk, (30) 378.	availability, (29) 797; (37) 816; (39) 24.
methods of analysis, (34) 112.	availability of phosphoric acid in, (35) 428.
mineral— availability as affected by sulphur, (36) 821.	citrate solubility, (36) 428. composition, (27) 218; (29) 822; (30) 126.
availability for plants. (35) 520.	slag, effect on— activity of soil bacteria, (31) 821.
chemical nature, (36) 613. fertilizing value, (33) 313.	germination of seeds, (29) 328.
for calves, (33) 460. for calves, (33) 460. solubility, (36) 626; (37) 124, 323, 324. solubility in eftric acid, (30) 721. utilization by animals, (29) 870.	maturity of cotton, (31) 30.
solubility, (36) 626; (37) 124, 323, 324.	potash salts, (28) 508. the eye, (31) 29.
utilization by animals. (29) 870.	slag-
utilization by animals, (29) 870. natural, assimilation by animals, (30) 467. natural, utilization, (29) 520; (30) 822. nutritive value, (26) 565. of animal origin, (33) 126. central Russia, utilization, (27) 627. commercial fertilizers, (39) 25. Florida, analyses, (36) 821. the Jardines, origin and use, (28) 222. organde, as alfocted by microorganisms, (29) 423. Palestine, composition, (27) 627.	slag—exports from Germany, (30) 724. extraction with cliric acid, (34) 331. fertilizing value, (26) 33, 233, 331, 426, 533, 531, 530, 630, 817; (27) 234, 530, 535, 627, 638, 639, 725, 736, 834, 837; (28) 425, 721, 816; (29) 31, 228, 233, 319, 418, 519, 632, 635, 737, 829; (30) 126, 134, 230, 427, 436, 721, 835, 839; (31) 139, 518, 630, 820, 829; (32) 323, 518, 630, 831; (33) 733, 729, 731; (34) 22, 35, 288, 330, 518, 519; (35) 220, 428, 521; (36) 123, 217, 228, 738, 820, 833; (37) 29, 534, 540, 723, 815; (38) 135, 230, 432, 519, 527, 619, 634; (39) 429, 520. for Iruit trees, (20) 639. for grass lands, (28) 530; (31) 132; (33) 330,
natural, utilization, (29) 520; (30) 822.	fertilizing value, (26) 33, 233, 331, 426, 533,
of animal origin, (33) 126.	531, 530, 630, 817; (27) 234, 530, 535, 627,
central Russia, utilization, (27) 627.	816: (29) 31, 228, 233, 319, 418, 519, 632,
Commercial tertifizers, (39) 25.	635, 737, 829; (30) 126, 134, 230, 427, 436,
the Jardines, origin and use, (28) 222.	721, 835, 839; (31) 139, 518, 630, 820, 820; (20) 200, 518, 830, 821; (32) 793, 793, 729, 731;
organic, as affected by microorganisms, (29) 423.	(34) 22, 35, 298, 330, 518, 519; (35) 220, 428,
Palestine, composition, (27) 627. precipitated, manufacture, (29) 418.	521; (36) 123, 217, 228, 738, 820, 833; (37)
production-	519, 537, 619, 634; (39) 429, 520,
and use in 1911, (29) 213. in Algeria and Tunis, (31) 321.	for fruit trees, (20) 639.
1913-11, (35) 23.	for grass lands, (29) 530; (31) 132; (33) 330, 527.
1913–1917, (39) 824. 1915–1916, (37) 523.	for moor soils. (39) 438.
raw, as affected by calcium nitrate and am-	for penty pastures, (30) 425, 740.
monium sulphata, (29) 318.	industry in Austria-Hungary, (33) 822. insecticidal value, (28) 563.
raw, fertilizing value, (30) 229. residual effects, (31) 319; (32) 331; (37) 23.	inspection in Netherlands, (27) 725.
	lime in, (26) 34, 205. mixing with superphosphate, (37) 816.
slightly soluble, fertilizing value, (35) 326.	open-hoarth. (39) 020.
soil, as affected by calcium carbonate, (35) 816. soil, as affected by ignition, (26) 803. soil, availability, (34) 421.	moved over mothods of analysis (33) 010.
soil, availability, (34) 421.	production and use, (30) 27. production and use in 1911, (29) 213. production and use in 1913, (32) 425.
soil bacteria in relation to, (40) 620. soil, solubility as affected by ignition, (28) 312.	production and use in 1913, (32) 425.
solubility, (38) 519.	
solubility in	red coloration in, (34) 820. residual effects, (26) 428; (37) 23. solubility, (32) 116; (33) 519; (37) 323, 723;
ammonium citrate, (31) 125. citric acid. (36) 727.	solubility, (32) 116; (33) 519; (37) 323, 723;
ettric acid, (36) 727. mineral acids, (34) 220.	(38) 519. solubility as affected by fluorspar, (35) 204. solubility in water saturated with carbor dioxide, (35) 521.
mineral and organic acids, (38) 423. soils, (26) 726. sources, (32) 723.	solubility in water saturated with carbon
sources, (32) 723.	dioxide, (35) 521.

Phoenhotic Continued	Phoenhoric agid-Continued
Phosphatic—Continued. slag—continued.	Phosphoric acid—Continued. distribution in—
solubility in weak organic acids, (40) 709.	blood, (40) 176.
soluble silicic acid in, (29) 409. use, (37) 723.	10am soils, (31) 618. milk, (26) C10.
use in Germany, (36) 726.	effect ou-
use in Germany, (36) 726, use on pastures, (26) 137.	bread fermentation, (27) 268.
use on peat soils, (37) 135; (38) 433.	borning quality of tobacco, (38) 110.
utilization by outs and lupines, (31) 733. utilization in different soils, (30) 221.	decomposition of sugar in soils, (37) 628, peached, (33) 510.
valuation, (29) 823.	quality of barley, (31) 330.
Phosphatids — betain from, (26) 713.	soils, (26) 216.
betain from, (26) 713. distribution in milk, (36) 862.	sugar beets, (30) 438. variation of tomatoes and beans, (29) 339.
extraction from tissues, (35) 201,	weed growth in meadows, (28) 141.
metabolism, (27) 464. nitrogenous hydrolysis products of, (31) 608.	yield of rubber. (31) 441. esters of inosit, studies, (27) 406.
occurrence in milk. (30) 312.	exchange in plants, investigations, (28) 818.
of milk, (33) 660.	extraction from phosphates, (34) 329; (36) 712,
of milk, (33) 660. of the kidney, (30) 477. plant, studies, (27) 202.	exchange in plants, investigations, (28) 818. extraction from phesphates, (34) 329; (36) 712, fertilizing value, (27) 825, 436, 137; (29) 227; (30) 731; (33) 519; (38) 218.
purincation, (30) 110.	nation in sons, (50) 217, (55) 122, (55) 029, 725;
studies, (30) 163. Phosphites, determination, (40) 409.	(37) 423.
Phosphomolybdic acid as reagent for saffron, (32)	for meadow soils, (26) 424. for peaches, (38) 242.
207. Phosphopartaine locations group during quaing (20)	for sweet potatoes, (33) 337.
Phosphoproteins, loss from grass during cuting, (32)	forcing plants with, (28) 837, forms of, in soil, (38) 117.
Phosphoric acid —	from barnyard manure, (26) 123.
absorption by bacteria, (29) 315.	from "mine-run" phosphates, (39) 819.
absorption by forest soils, (28) 421. absorption by outs, (31) 632.	from barnyard manure, (26) 123. from "mine-run" phosphates, (39) 819. hydrochloric-acid-insoluble, in soils, (29) 515. importance in the animal organism, (33) 758.
absorption by soils, (31) 723; (33) 515.	in alcoholic extracts of leaves, (27) 731.
absorption by zeolites, (28) 518.	animal nutrition, (29) 809.
action as affected by salts, (27) 623. as affected by alumina, (27) 722.	feeding stuffs, digestibility, (40) 769.
affected by ammonium sulphate, (28) 818.	Hawailan soils, (36) 427. honey, (33) 164.
affected by bacteria, (29) 315. water sterilizing agent, (29) 474.	humus of soils, (37) 121.
winter spray for fruits, (30) 641. assimilation by plants, (31) 219.	loess soils, (35) 800. peas, (40) 508.
assimilation by plants, (31) 219.	soil, solubility, (39) 24.
assimilation by rice, (38) 340. availability—	soils, notes, (26) 125.
as affected by carbon dioxid, (27) 514.	soils, studies, (27) 500, 821; (28) 29. soils, transformation, (28) 417.
in barnyard manure, (26) 323, 424.	storch, (34) 710; (36) 501.
basic slag, (29) 797. bat guano, (27) 825. fortilizers, (32) 409. oil cakes, (26) 428. soils, (26) 321. biological absorption in soils, (27) 216. citrate-soluble, in crude phosphates, (31) 16. citricaed soluble—	wheat, studies, (27) 500. inorganic, determination, (33) 111
fertilizers, (32) 409.	inosit, of feeding stuffs, (39) 14, 675.
on cakes, (26) 428. soils. (26) 321.	insoluble, determination, (38) 205
biological absorption in soils, (27) 216.	insoluble, determination, (38) 205 isolation from starch, (35) 502. long-continued use, (34) 128.
citrate-soluble, in crude phosphates, (31) 16.	loss during fusion with ammonium fluorid, (36)
determination, (30) 809.	613.
determination, (30) 800. determination in Thomas slag powder, (29)	loss from manure, (32) 818. loss from soils, (27) 321; (29) 211. loss in drainage water, (26) 620.
409, 410; (32) 611. production and fertilizing value, (32) 218.	loss in drainage water, (26) 620.
concentration in soils, (27) 418.	IOSS IN INCHISTRAL WASTES (37) 630.
determination, (26) 406; (27) 110; (28) 804; (31)	metabolism. (26) 765.
805; (35) 415, 502, 503, 613; (37) 412, 615, 802;	manufacture, (29) 418; (34) 320, metabolism, (26) 765. metabolism in infants, (29) 166.
409, 410; (32) 611. · production and fertilizing value, (32) 218. concentration in soils, (27) 418. determination, (26) 406; (27) 110; (28) 804; (31) 17; (32) 115, 294, 409; (33) 110, 803; (34) 314, 409, 805; (35) 415, 502, 503, 613; (37) 412, 615, 802; (39) 13, 312. determination—	minimum, for plant growth, (29) 22. mobilization in soils, (26) 817; (31) 721; (36)
determination— as ammonium-magnesium phosphate, (33)	515,
204.	organic, of cottonseed meal, (28) 505; (30) 707.
filter for, (38) 506.	organic, of wheat bran, (32) 17.
basic slag, (27) 495.	organic v. inorganic, for fowls, (31) 569.
in baked goods, etc., (32) 206. basic slag, (27) 495. beer, (29) 798; (32) 297. beverages, (27) 499. blood, (40) 10.	organic, of ries, (32) 712. organic, of wheat bran, (32) 17. organic v. inorganic, for fowls, (31) 569. paper on, (26) 400. precipitation as allected by inversion, (28) 715. reaction of glycerol with, (31) 709. recovering from phosphate rock, (36) 805. relation to nitrogen in flour, (26) 661. removal by corn crop, (37) 232. removal from soil by crops, (34) 724.
blood, (40) 16.	reaction of glycerol with, (31) 709.
calcium phosphate, (34) 410. feed limes, (33) 115. fertilizers, (22) 108; (32) 205; (35) 12, 314. foods, (29) 808; (37) 618.	recovering from phosphate rock, (36) 805.
feed linies, (33) 115.	removal by corn crop. (37) 232.
foods, (29) 809; (37) 618.	
mineral phosphates, (33) 13, 313.	reverted, assimilation by plants, (34) 331. reverted, determination, (29) 795; (31) 714.
organic substances, (28) 20.*' neat soils, (39) 504.	reverted, fertilizing value, (30) 428,
phosphate rock, (28) 111. phosphates, (31) 314.	rôle in plant nutrition, (26) 530.
phosphates, (31) 314. presence of colloidal silicic acid, (28) 203.	solubility in soils, (37) 18. sources of, (39) 429, 430.
presence of magnesium chlorid (29) 609	spring application, (33) 625.
slag, (29) 795.	use on moor soils, (27) 325; (38) 132.
slag, (29) 795. soils, (26) 21; (27) 514, 713; (28) 123, 610; (31) 16; (36) 505.	water-soluble, determination in superphos- phate, (30) 809.
Thomas slag, (31) 112, 410.	water-soluble v. citrate-soluble, (36) 727.
Thomas slag, (31) 112, 410. vinegar, (27) 410. wine, (30) 414. wine, (30) 414. of availability, (28) 222. displacement by water to be a constant of the consta	Phosphoric anhydrid—
of availability, (28) 222.	content of wheat and corn products, (39) 314.
displacement by water in leaves, (20) 218.	determination, (27) 206. determination in soils, (31) 313.

Phosphoric oxid	Phosphorus—Continued.
in corn meal, (33) 752.	for South Dakota soils, (29) 728.
solubility in mixed fertilizers, (38) 519.	importance in animal nutrition, (31) 663.
as affected by calcium carbonate, (26) 428, 527	in animal organism, (30) 669; (33) 167.
deposits in Russia, (35) 521; (33) 817.	blood of lagtating cows, (37) 308. casein, (32) 600.
fertilizing value, (20) 318; (37) 323.	cottonseed meal, forms, (27) 611.
Kasan, fertilizing value, (34) 330.	feeding stuffs. (30) 867.
soil suitable for, (26) 623.	flour, (26) 2°0.
Phosphorites—	loods, relation to nutrition diseases, (26) 264.
as affected by ammonium salts, (29) 624; (35)	granitic soils, (37) 522.
816.	growing pigs as affected by protein con-
effect on soils. (26) 30	sumption, (32) 72.
assimilation by plants, (27) 340. effect on soils, (26) 30. from Sengilor, (34) 329.	Indian foodstuffs, (27) 461. matière noire, studies, (26) 814.
Russian, superphosphates from, (27) 627.	seeds, variations in, (27) 108.
Phosphorus—	soils, effect on composition of turnips. (29) 417.
assimilation by Aspergillus niger, (26) 203. assimilation by lower algae, (28) 35.	soils, solubility, (39) 821.
assimilation by lower algae, (28) 35.	soils, studies, (28) 815.
availability in soils, (31) 615. casein, biological significance, (27) 169.	turnip roots, relation to availability of soil
compounds—	phosphorus, (38) 326. wheat and flour, (30) 362.
assimilation by ruminants, (31) 71.	inorganic—
availability in rations for ruminants, (26)	determination, (32) 299; (34) 315.
568.	determination in plant substances, (28) 21.
effect on milk, (26) 775.	determination in turnips, (26) 527.
effect on milk secretion, (27) 176.	in milk, (37) 208.
in animal metabolism, (32) 601, 858.	metabolism of, (30) 669.
in animal nutrition, (29) 869. nutritive value, (26) 565, 765; (27) 775.	lecithin, determination in macaroni, etc., (33)
of cottonseed meal, (37) 502.	lipoid and acid-soluble, determination in serum,
cottonseed meal and wheat bran, (29)	(34) 613.
804.	lipoid, in animals, (33) 69.
seeds, (26) 501.	loss in curing hay, (26) 574.
serum, (35) 714.	manure as source of, (39) 427.
compounds, organic—	manuring, effect on composition of turnips, (26)
and inorganic, metabolism of, (33) 462. decomposition, (26) 501.	527. metabolism—
hydrolysis by dilute acid and alkali, (31)	in Aspergillus niger, (30) 727.
805.	in 14-year old boys, (30) 262.
hydrolysis by enzyms. (29) 166.	of. (30) 465.
of feeding stuffs, separation, (27) 615.	of lambs, (33) 761.
of feeding stuffs, separation, (27) 615. of wheat bran, (28) 17, 505; (33) 11, 464, 802. therapeutic value, (33) 664.	of women, (40) 174.
therapellic value, (33) 604.	on a rice and vegetable diet, (26) 865.
compounds, water-soluble, extraction from plants, (27) 407.	nutrition of plants, notes, (34) 805. of citrus grove soils, (39) 421.
concentration in surface soil, (31) 720.	of different sources for oats and lupines, (31) 733.
conservation in unine (97) FOO	organic—
deficiency, effect on bones, (32) 561.	and inorganic, nutritive value, (30) 97; (31)
deficiency, effect on out plant, (40) 324.	563.
determination, (27) 503; (33) 803; (34) 409, 805;	determination in soils, (26) 803; (28) 29.
deficiency, effect on bones, (32) 561. deficiency, effect on oat plant, (40) 324. determination, (27) 503; (33) 803; (34) 409, 805; (39) 311; (40) 112. determination—	from inorganic phosphates, (26) 772.
as phosphoric acid, (28) 203.	in soils, (36) 212. pentoxid, determination, (36) 713.
citro-molybdate method, (28) 312.	physiology of during growth, (27) 169.
in ash, (36) 204.	phytin, determination in plant products, (38)
bone ash, (36) 805.	11.
feces, (39) 675.	phytin, of feeding stuffs, (40) 772.
fertilizers and feeding stuffs, (32) 805.	phytin, utilization by pigs, (39) 675.
foods, (29) 799. milk, (27) 208. plant materials, (35) 613.	removal from soil, (39) 517.
niant metorials (35) 613	requirement of barley and oats, (37) 34. resorption and retention by the intestine, (28)
plants, (26) 501.	865.
presence of sulphuric acid, (34) 112.	retention in growing pigs, (28) 469.
proteins, (26) 501.	soil, as affected by heat and oxidation, (27) 122.
soil extracts, (34) 10.	soluble, as affected by bacteria, (26) 723.
soils, (27) 409; (34) 806; (36) 413, 612; (38)	supply of United States, (31) 295.
205.	Phosphotungstate precipitate of yeast preparation,
urine and feces, (39) 806. vegetable products, (27) 410.	(35) 311. Phosphotungstic acid, precipitating with, (26) 511.
wheat, (40) 507.	Phosphotungstic-phosphomolybdic compounds as
diffusible, in cow's milk, (34) 271.	color reagents, (28) 804.
distribution in—	Photochemical effects from mercury vapor lamp
blue grass soils, (36) 424.	and sunlight, (29) 218.
prairie surface soils, (36) 514.	Photogrammetry, application to forestry, (26) 141.
striated muscle, (32) 561.	Photometer for plant studies, (39) 524; (40) 521. Photometric analysis, review of investigations, (34)
effect on— alfalfa and other legumes, (37) 828.	202.
Aspergillus spp., (29) 825.	Photomicrography of parosites, (29) 473.
bacterial activity of soil, (39) 325.	Photosynthesis—
chlorophyll formation, (35) 435.	and low temperatures, review of literature, (32)
development of animals, (30) 465.	640.
grapes, (31) 339.	artificial, studies, (33) 727.
growth of bones, (31) 69.	as affected by incomplete culture solution, (38) 523
nutrition and growth in plants, (28) 225. wheat, (39) 127.	dynamic aspects, (40) 223.
wheat, (39) 127. for alfalfa, (30) 335.	in cotton, studies, (27) 732.
for Missouri soils, (33) 212, 213, 214, 215.	plants, (27) 427.

Photosynthesis—Continued.	Phyllosticta—Continued.
in plants, studies, (33) 627.	briardi, treatment, (31) 841.
submerged land plants, (32) 329.	cajani, notes, (34) 52.
mechanism, (36) 730. methods of study, (39) 432.	caryae, description, (30) 452. caryae, treatment, (37) 756; (39) 553.
methods of study, (39) 432, primary sugar of, (36) 30.	chenopodii(?), notes, (26) 548.
relation to powdery mildew injection, (33) 244.	citricola n.sp., notes, (39) 753. coffeecola, notes, (30) 751, (38) 51.
relation to soil moisture, (36) 525, review of investigations, (35) 821.	corrects on plum (30) 857
studies, (30) 524; (37) 524; (39) 432; (40) 326, 425,	congesta on plum, (39) 857. cucurbitacearum, notes, (37) 550.
426.	džumajensis n.sp., description, (26) 446
Phototheodolite for forest measurements, (32) 340.	euchlaenae n. sp., notes, (37) 148. glumarum n.sp., notes, (37) 148.
Phototropism—as affected by temperature, (34) 628.	hortorum, notes, (31) 747.
studies, (34) 524.	insulana, notes, (26) 849.
Phragmatiphila truncata, notes, (40) 453.	insularum n.sp., notes, (37) 148.
Phragmidium— disciflorum on rose, (33) 545	italica n.sp., description, (37) 550. limitata, inoculation experiments, (27) 651; (31)
disciflorum on rose, (33) 545. Japanese species, (27) 149. rosae-sempervirentis n.sp., description, (37) 557.	150.
rosae-sempervirentis n.sp., description, (37) 557.	lychnidis n.sp., description, (28) 149.
rubi, notes, (33) 647.	medicaginis, notes, (28) 443; (38) 248. mutant form of, (33) 249.
subcorticium, notes, (33) 854; (37) 550. Phragmites gigantea, analyses, (33) 466. Phryganea grandis, biology of, (26) 561. Phryganidia sp., notes, (28) 159.	n.spp., descriptions, (37) 748.
Phryganea grandis, biology of, (26) 561.	paviae, perfect stage of, (33) 249.
Phryganidia sp., notes, (28) 159.	pirina, notes, (35) 547. pirina, studies, (29) 648.
Phrynosoma cornutum, economic status, (33) 745. Phryxe vulgaris, studies, (39) 658.	pirina, studies, (29) 648.
Phthalate buffer mixtures, hydrogen electrode	pirina, variation in, (38) 731. ramicola, notes, (34) 540; (35) 45; (38) 53, 759.
Phthalate buffer mixtures, hydrogen electrode potentials of, (35) 801.	ramicola, ticatment, (29) 552.
Phthalic acid, effect on cyanogen formation in plants, (28) 527.	solitaria—
Phthia picta, notes, (40) 165.	control, (40) 639. notes, (34) 247, 646; (38) 550.
Phthia picta, notes, (40) 165. Phthirus pubis, studies, (39) 659, 764.	studies. (37) 654.
Phthorimaea operculella, see Potato tuber moth and	treatment, (31) 53.
worm. Phycis (Dioryctria) abietella, notes, (31) 849.	treatment, (31) 53. sp., notes, (34) 247. sp. on beets, (35) 245.
Phycitinae, new, of North America, (37) 564.	sp. on citrus, (32) 345.
Phycomyces nitens—	
growth and sporulation, (28) 524.	sp. on sugar cane, (37) 553.
phototropism, (39) 223. Phycophaein, relation to color change in brown	sp., relation to citrus canker, (33) 56. spp., notes, (26) 341, 850; (28) 241; (32) 749.
algae, (31) 626.	vaninae, description, (21) 450.
Phygadeuon-	violae, studies, (29) 753.
epochrae n.sp., description, (30) 256. fumator, notes, (33) 862.	Phyllotreta— armoraciae, studies, (37) 566.
sp., notes, (27) 562.	attacking Crincifered in control Europe (20) 161
Phylacogens, use against horse diseases, (28) 587.	sinuata, notes, (32) 556. spp., notes, (29) 761. spp., remedies, (33) 158. vittata in Maryland, (38) 154.
Phyllachora—graminis, notes, (37) 839.	spp., notes, (29) 761.
huberi, notes, (37) 253.	vittata in Maryland. (38) 154.
roystonese n.sp., description, (39) 147.	vittula, notes, (37) 765.
sacchari, notes, (38) 550.	Phyllores are also Grape phyllores
texana n.sp., description, (37) 748. trifolii, notes, (28) 443.	Phylloxera—see also Grape phylloxera. caryaecaulis, notes, (33) 58; (37) 255; (39) 557.
Phyllactinia—	caryaecaulis studies, (38) 157.
corylea, notes, (38) 849.	galls on pecans, (32) 553.
suffulta, symbiosis with filbert leaves, (37) 327. Phyllaphis coweni, notes, (35) 56.	pervastatrix, notes, (31) 550. quercus, life history and habits, (32) 57.
Phyllocnistis citrella, notes, (33) 655.	sp. on pecan, (38) 762.
Phyllococcus n.g. and n.sp., description, (36) 551.	spp., notes, (34) 453.
Phyllocoptes— amygdalina n.sp., description, (28) 357.	vitifolii pervastatrix, notes, (32) 847. Phylloxerinae, treatise, (27) 859.
n.spp., descriptions, (30) 362.	Phylogeny—
schlechtendall, notes, (37) 570. vitis, destructive to grapevines, (26) 864.	and biotypes, discussion. (20) 878. treatise, (26) 163.
vitis, destructive to grapevines, (26) 864. vitis, notes, (28) 550.	Physical property and the property of the prop
vitis, relation to grape court noue, (30) 452.	Phymatin-ophthalmo reaction, diagnostic value, (26) 379, 584.
vitis, relation to grape court noue, (30) 452. Phyllodromia hieroglyphica in Hawaii, (40) 854.	Phymatotrichum omnivorum n.comb., studies,
Phyllonarycter (Lithocolletes) crataegella, notes,	(36) 146.
(32) 651.	Physalis alkekengi as mosaic carrier, (40) 251. Physaloptera rara n.sp., description, (40) 89.
Phyllopertha horticolo, notes, (30) 53; (34) 454.	Physalospora—
Phyllophaga—see also May beetle, June beetle, and	affinis, n.sp., notes, (37) 148. cydoniae n.sp., studies, (30) 651.
Lachnosterna. forbesi n.sp., description, (35) 467.	cydoniae n.sp., studies, (30) 651.
n.spp., descriptions, (38) 161.	cydoniae, notes, (27) 747; (33) 348. cydoniae, studies, (36) 251.
n.spp., life histories, (38) 767.	guignardioldes n.sp., notes, (37) 148.
n.spp., descriptions, (38) 161. n.spp., life histories, (38) 767. of Illinois, (35) 188. revision, (38) 467.	latitans, notes and treatment, (29) 250. theobromae n.sp., description, (37) 755.
spp., remedies, (38) 863.	Physalosporina n.g. and n.spp., descriptions, (27)
spp., remedies, (38) 863. Phyllophosa membranifolia, analyses, (37) 814.	46.
Phymoscens atri, studies, (31) 156.	Physarum cinereum, notes, (27) 748.
Phyllostachys bambusoides, hydropsy of, (35) 354. Phyllosticta—	Physcia integrata sorochiosa, notes, (38) 51. Physcus—
bacillaris n.sp., description, (37) 550.	n.spp., descriptions, (31) 459.
bacteroides minima n.var., description, (37) 550.	n.spp., descriptions, (31) 459. spp., notes, (27) 556.
basellae n.sp., studies, (31) 56. betae, notes, (28) 649; (33) 851. brassicae, Mycosphaerella stage, (34) 49.	Physical geography, course in. (26) 596.
brassicae, Mycosphaerella stage, (84) 49.	Physical-chemical tables, book, (29) 107, 201.
brassicicola n.comb., description, (32) 545.	Physics in agricultural science, (36) 106.

```
Physics of household, textbook, (33) 364.
Physiography of Coastal Plain of Virginia, (28) 422
Physiological—
                                                                                                                                                                                                                                                                                                                                Phytometrinae in British Museum, catalogue, (31) 652.
                                                                                                                                                                                                                                                                                                                             652.
Phytomyza—
aquifolii in New Jersey, (34) 355.
aquifegiae, notes, (37) 235.
aquifegiae, studies, (36) 57.
chrysanthemi, see Chrysanthemum leaf miner.
flavicomis on Milan cabbage, (39) 661.
geniculata (horticola), notes, (27) 552.
orobanchia, notes, (31) 153.
                       action, relation to chemical constitution, (36)
                                   411
                         chemistry, compendium, (40) 109.
        chemistry, compendium, (40) 109.

Physiology—
bibliography, (28) 466; (31) 764; (32) 860.
cellular, studies, (28) 362.
chemical studies, (40) 201.
chemical, treatise, (37) 501.
comparative, handbook, (33) 168.
human, treatise, (29) 767.
in veterinary curriculum, (31) 492.
index catalogue, (32) 166, 565.
international catalogue, (34) 658; (40) 869.
nutritional, textbook, (28) 763.
of parturition, (26) 277.
papers on, (29) 676; (33) 279.
plant, see Plant physiology.
studies, (31) 277.
textbook, (26) 659.
treatise, (34) 777.
writings of J. von Liebig, (32) 100.
Physocephalus sevalatus, notes, (28) 285.
Physoderma—
  Physiology
                                                                                                                                                                                                                                                                                                                                                      meles, notes, (28) 752; (29) 359.
murinus, see Alfalfa leaf-weevil.
nigrirostris, notes, (37) 255.
posticus, see Alfalfa weevil.
                                                                                                                                                                                                                                                                                                                                posticus, see Alfaifa weevil.
punctatus, see Clover weevil.
spp. injurious to nifaifa, (33) 555.
spp. notes, (27) 259.
variabilis, biology, (28) 151.
Phytopathological—
culture supply laboratory, need of, (34) 539.
institute at Wageningen, report, (33) 444.
Phytopathologists, relation to plant disease survey work, (39) 849; (40) 449.
Phytopathology—
and botany, relationship, (34) 48.
observatory in Turin, (30) 47.
Phytophaga destructor, see Hessian fly.
Phytophhora—
arease on potatoes, (32) 343.
Physoderma—
sp. on corn, (34) 643.
zeae-maydis, notes, (38) 351.
zeae-maydis, studies, (40) 846.
Physokermes piceae, see Spruce bud scale.
Physopalla fici, description, (39) 757.
Physostomum melospizae n.sp., description, (38) 761.
Physothrins—
                                                                                                                                                                                                                                                                                                                                                        ytophhora—
areae on potatoes, (32) 343.
cactorum, notes, (29) 549; (37) 550.
cactorum, studies, (34) 746.
colocasiae, description and treatment, (31) 52.
colocasiae, notes, (30) 845; (37) 148.
disease of cotton, (39) 754.
diseases of Heyea, (39) 459, 752, 759.
erythroseptica—
morphology and cytology of, (33) 53
    Physothrips-
                       ysothrips—
antennatus, notes, (35) 658.
funtumiae and its allies, (39) 360.
marshalli n.sp., notes, (39) 360.
n.sp., description, (35) 658.
setiventris n.sp. and P. lefroyi on tea, (40) 59.
xanthius in Trinidad, (40) 649.
xanthius n.sp., description, (38) 461.
                                                                                                                                                                                                                                                                                                                                                                               morphology and cytology of, (33) 53.

n.sp., description, (29) 550.

notes, (29) 549; (32) 239; (37) 350; (39) 250.

sexual organs, (39) 431.

studies, (31) 543.
                                                                                                                                                                                                                                                                                                                                                        faberi—
notes, (27) 451; (29) 155, 248, 547; (31) 54,
242, 645; (32) 345; (33) 545; (34) 349, 540,
744, 849; (35) 45, 251; (36) 347, 746, 852,
(37) 148, 349, 452, 458; (38) 53; (39) 151;
357, 752, 849; (40) 155, 252.
relation to aceao canker, (32) 548.
studies, (33) 549; (38) 554; (40) 54.
treatment, (27) 750; (30) 543; (38) 759.
infestans—see also Potato late blight.
notes, (40) 47,
no tomato, (30) 651, 850.
meadil n.sp. on Hevea, (40) 845, 852.
n.spp. from Japan, (39) 753.
nleotianee, studies, (37) 553.
notes, (31) 541.
omnivora—
arceae, notes, (34) 55.
                                                                                                                                                                                                                                                                                                                                                           faberi-
    Phytalus-
  Phytaus—
insularis n.sp., description, (38) 161.
insularis n.sp., life history, (38) 768.
smithi, life history and remedies, (29) 858.
smithi, notes, (27) 259, 662; (28) 357, 752; (39) 752.
smithi, parasites of, (34) 455; (40) 265.
Phytelophas marrocarpa—
description and utilization, (30) 46.
seed, feeding stuff from, (36) 367.
Phytic scid—
    Phytic acid-
                            composition and properties, (31) 708.
hydrolysis by dilute acid and alkali, (31) 805.
in cottonseed meal and wheat bran, (30) 707.
  of wheat kernel, (37) 108.

Phytin—
as source of phosphoric acid, (29) 423.
assimilation by ruminants, (31) 71.
chemistry of, (31) 707.
cleavage by fungi, (30) 805.
determination, (34) 10.
effect on elimination of nitrogenous compounds,
(31) 561.
effect on growth of lupiue seedlings, (28) 128.
effect on seedlings, (27) 20.
hydrolysis, (33) 11.
importance in the animal organism, (33) 758.
in corr, (31) 708.
in cats, (31) 707.
in sects, investigations, (26) 501.
of inosit, studies, (27) 406, 712.
phosphorus of feeding stuffs, (40) 772.
phosphorus of feeding stuffs, (40) 772.
phosphorus of feeding stuffs, (40) 772.
phosphorus of feeding stuffs, (40) 775.
properties, (28) 801.
studies, (30) 501; (31) 10; (32) 16; (33) 803.
Phytometer lycopersicum n.sp.—
description, (29) 246.
Phyto-chemistry, studies, (30) 223.
Phytochemistry, studies, (30) 223.
Phytodetus—
capuae, studies, (39) 466.
vulcaris, notes, (31) 752.
                            of wheat kernel, (37) 108.
    Phytin-
                                                                                                                                                                                                                                                                                                                                                           omnivora—
arcae, notes, (31) 55.
arecae, treatment, (36) 48.
as affected by cold, (34) 538.
notes, (26) 446; (28) 54, 55; (34) 644; (35) 353
(P. cactorum), notes, (36) 649.
on ginseng, life history, (31) 447.
on tomato and belladonna, (40) 844.
                                                                                                                                                                                                                                                                                                                                                      on tomato and belladonna, (40) 844.
parasitica.—
n.sp., description, (29) 548.
on coconuts, (34) 349.
on Viner rosse, (37) 844.
studies, (38) 547.
parascoli, notes, (39) 52.
rearrangement of species, (29) 550.
resting mycelia of, (29) 646.
review of literature, (31) 242.
sp. affecting cotton, (29) 749.
sp., notes, (20) 851; (27) 751.
sp. on castor beans, (34) 50.
sp. on coconut, (34) 50; (40) 751.
sp. on cotton, (40) 155.
sp. on castor beans, (34) 50.
sp., notes, (32) 445; (38) 146.
spp. on cacao and nutmeg, (38) 554.
spp. on rubber, (38) 554, 759.
studies, (32) 442; (33) 244; (36) 747.
syringae, description and treatment, (29) 249.
syringae, notes, (30) 647.
terrestria n.sp., description, (38) 251.
       capuae, studies, (39) 460.
vulgaris, notes, (31) 752.
Phytoglossus gonandra, notes, (30) 356.
Phytolacca—
                            decandra, critical flowering and fruiting temperatures, (38) 330.
```

Phytophthora—Continued.	Pig-Continued
terrestria, studies, (39) 457.	houses -continued.
tre itment, (28) 446.	for pravile farms, (35) 690
Phyloseuphus dissimilis n.sp., des ruption, (35) 365.	movable, (33) 90; (38) 891 movable, description, (32) 251.
Phytosterol-	movable, description, (32, 28).
content of soy beans, (26) 607.	municipal, description, (37) 385.
crude, from cocontil fat, (28) 809.	plans and specifications, (33) 783.
detection in animal and veretable fats, (20) 201;	ridding of alles, (26) 861.
(32) 298.	' industry—see also Pigs, raising.
delection in animal fats, (31) 808, (35) 615.	in Canada, (32) 867.
in plant fats, (32) 206.	1 Hungary, (27) 672.
Piccalilli, recipes. (28) 715.	Madagascar, (27) 172.
Picen	Mading.scar, (27) #72. Maryland, (32) 771.
engelmanni, new leaf and twig disease of, (33)	i Montana, (31) 632.
351.	Oregon, (27) 209. United States, (20) 93, 571. Victoria, (27) 373.
exectsa, phosphorus content, (26) 501.	United States, (26) 93, 571,
rubens, length of tracheids in, (33) 143,	Victoria, (27) 373.
Picker dirt, analyses, (32) 32.	statistics, (27) 571.
Pickle worm, notes, (29) 353.	
Pickle worm, studies, (34) 355.	insurance—
Pickles —	clubs in England and Wales, (28) 367; (29)
hottled, examination, (29) 861.	171.
manufacture, (30) 613.	clubs in Great Britain, (30) 593.
recipes, (32) 560; (38) 05.	ecoperative, in Great Britain, (31) 594.
tomato, recipes, (28) 715.	societies in Holland, (30) 493.
Dialyling	manure, analyses, (36) 120, 323.
Pickling	manure, storage experiments, (37) 62%.
and preserving, (39) 614.	offal, fertilizing value, (33) 470.
treatise, (32) 253.	para typhoid, immunization, (33) 285.
Picolin carboxylic acid, effect on plant growth. (28)	registration, objects and results, (26) 168,
324,	skin, histology. (28) 366.
Picotees, handbook, (26) 139.	typhoid, relation to hog cholera, (31) 87.
Picramic acid—.	l
in nitrogen determination, (40) 800.	Pigeon—
preparation, (40) 203.	disease, studies, (31) 83.
Picrosina excelsa as an insecticide, (32) 649.	eggs, dimeranty of, (26) 006.
Pierie acid-	eggs, bilaterality of. (28) 608. grass, analyses, (30) 671; (32) 169; (34) 39. grass seed, analyses, (27) 170.
as titrametric standard, (33) 611.	grass seed, analyses, (27) 170.
in blood sugar determinations, source of cr.ot,	manure, analyses, (38) 23. manure, fertilizing value, (29) 129.
(40) 116, 713.	manure, fertilizing value, (20) 129.
insecticidal and larvicidal value, (34) 359.	manure, nitrogen and phosporic acid content,
Picton disease in cattle and horses, cause, (26) 780	(26) 323.
Pidan, analyses, (36) 362.	pea branch disease, notes, (35) 350.
Pie melons, feeding value, (31) 265.	pea diseases, descriptions, (34) 52.
Pieris-	pea diseases, notes, (36) 514.
heavaiga a	pea-sorghum mixtures, tests, (26) 631.
notes, (27) 755. notes, (27) 755. purasites of, (40) 65, 264 romedies, (28) 561. studies, (40) 283, 656. monuste, notes, (28) 453. rapae in Maryland, (38) 154. rapae, studies, (40) 283	peas
parasites of, (40) 65, 264	analyses, (29) 569
remedies, (26) 501.	as a cover crop, (31) 635; (34) 736.
studies. (40) 263, 656,	as host of Cladosporium sp., (31) 646.
monuste, notes, (28) 453.	culture and use, (40) 763.
rapae in Maryland, (38) 154.	eulture experiments, (27) 336, 841; (28) 136; (31) 733, 829; (32) 227; (37) 729, 734; (38) 336,
rapae, studies, (40) 263,	(31) 733, 829; (32) 227; (37) 729, 734; (38) 336,
rapae, studies, (40) 263. sp., notes, (28) 857.	1 527, 635, 827, 829.
spp., feeding habits, (28) 553.	culture in Guam, (40) 328.
Piesma capitate, injurious to sugar beets, (26) 348.	factors affecting cooking, (35) 556
Pffine grass, analyses and use, (30) 437.	fertilizer experiments, (38) 230.
Pig	germinating, enzyms of, (38) 9.
and corn clubs, combining, (30) 694.	green manuring experiments, (37) 734; (38)
breeders' association in Bavaria, (30) 258.	230.
club manual, (33) 791.	injurious to pineapples, (33) 535.
clubs—	insects affecting, (27) 155; (30) 752; (33) 153.
and the swine industry, (30) 498.	irrigation experiments, (35) 286.
in Alahama. (20) 702	varieties, (26) 631; (30) 525, 731; (31) 732, 829;
Arkansas. (33) 05	(37) 825; (38) 828.
and the swine industry, (39) 498. in Alabama, (29) 792. Arkansas, (33) 95. England and Wales, (27) 471.	
the South (31) 508.	Pigoons—
the South, (31) 598. United States, (35) 195.	breeding for squabs, (33) 173.
manual (40) on	breeds of, studies, (26) 160.
manual, (40) 96. notes, (31) 704.	care and management, (28) 173; (39) 176. color inheritance in, (40) 275.
promination (20) 205: (22) 4(8)	color innerionnee in, (40) 275.
organization, (30) 395; (33) 898. contest in North Dakota, (30) 899.	determination of age, (32) 470.
disease, new, in Ireland, (32) 783,	distinguishing characters of breeds, (28) 673.
diseases—	egg-laying cycles, (37) 869. eggs, sexual differentiation, (33) 272.
understanding motor (22) 600	eggs, sexual differentiation, (33) 272.
and parasites, notes, (33) 680.	fantail, inheritance in, (40) 275.
handbook, (37) 778.	growth of, (30) 467.
in British East Africa, (30) 576.	Haemoproteus infection in, (34) 855.
in Portugal, (36) 280.	healthy and sick, blood cells of, (31) 586.
law in Indiana, (31) 86. losses from, (35) 192. nature and treatment, (34) 383.	inheritance in, (26) 272; (28) 270; (33) 371.
notive and treatment (04) use	inheritance of color in. (31) 572.
nature and treatment, (34) 385.	magpie, notes, (28) 774. management, (33) 872; (40) 177.
nomenciature, (27) 77.	management, (33) 872; (40) 177.
notes, (26) 483; (32) 782; (34) 174; (37) 876.	morphology of blood, (28) 777.
ureause, (32) 83, 277, 378; (34) 278.	raising in Russia, (26) 693.
larm, plans, (34) 267.	raising, notes, (27) 174.
nomenclature, (27) 77. notes, (26) 483; (32) 782; (34) 174; (37) 876. treatise, (32) 83, 277, 378; (34) 278. farm, plans, (34) 267. fence, portable, description, (26) 894.	serum proteins of, (32) 861.
HQUSCS-	sex control in, (33) 272; (35) 771; (37) 868.
and fixtures, plans, (29) 873.	sex ratios in, (33) 369.
and fixures, pians, (29) 873. construction, (29) 292; (30) 389; (34) 590, 680; (35) 587; (36) 288, 590; (37) 90. floor plans, (28) 73.	sex control in, (33) 272; (35) 771; (37) 868. sex ratios in, (33) 369. sex-linked inheritance in, (27) 573.
(35) 587; (36) 288, 590; (37) 90.	textbook, (30) 696.
noor plans, (28) 73.	textbook, (30) 696. treatise, (26) 270; (31) 76; (32) 265; (33) 173.

Pigmentation - see also Anthocyanin, Color, and	Pigs-Continued.
Plant pigments.	buckeye poisor
dark, in domestic animals, studies, (26) 472. in animals, studies, (29) 466; (32) 360.	caetus for, (33) Caesarian secti
fow's, relation to egg production, (38) 276.	ealeium chlorid
fowls, studies, (38) 171. guinea pigs, (40) 177.	calcium retenti
mammals and birds, (32) 766.	569, 771, 868;
Pigments—	care in the Son
animal and plent, relationship, (31) 273, anthocyan, review of literature, (34) 335.	castor bean por castration, (3a) cattle, and she
blue, origin in flowers, (29) 434.	cattle, and she
distribution in seed coat of cowpeas, (27) 632.	color taheritan
offect on linseed oil, (28) 714. floral, chemistry of, (29) 434.	connection of cooking food fo
flower, of Antirchitaum majus, (32) 202, 203, 220.	corn and alfalfa
formation, (30) 703.	cora substitute
formation in plants. (27) (32; (29) 219; (32) 523, 524, 824; (33) 329; (34) 223; (37) 632.	corn supplement correlation bet
formation, post-mortem, in eye of white ring- dove, (40) 665.	size of litter,
dove, (40) 665.	cost of product
hair, physiological character, (32) 361. of chromoleucites, studies, (34) 33.	cost to Wealing
Fusarium, (32) 428.	fed, copper
human milk fat, (31) 275.	ied, copper for, (38) 28
plastids, transformation in plants, (36) 730. plant—	poisoning,
and animal, bibliography, (32) 18.	cottonseed pois creatinin evere
chemistry of, (33) 802.	crossbreeding (
classification, (30) 129, notes, (31) 728,	erude oil for, d destruction by
relation to milk lat pigments, (31) 273.	determination
review of investigations, (34) 33. studies, (31) 128.	development of
red, of tomatoes, (32) 203.	development o digestion expe
respiration, role in plants, (27) 426, 632.	70, 866; (33)
Pigmeophorus americanus, parasitic on horn flies, (26) 252.	disease, new, in diseases, handl
Pigmy hippopotamus, domestication, (30) 672. Pigpons, see Pig houses.	diseases, treati
Pigs—see also Pork. Sows, and Swine	dried yeast for
Pigs—see also Pork, Sows, and Swine. abnormal digits in, (27) 369. alfalfa pasture for, (31) 470; (33) 379, 871.	early maturity effect of age on
animonium salts and urea for, (31) 266.	effect of exercis
anatomy and histology of liver, (28) 783.	embryology of European, and
animal parasites of, (20) 82. ante-mortem inspection, (34) 280.	experimental s
apple pomace and cider apples for, (39) 269.	extracting fat s factors affect in
us affected by-	268.
china berries, (27) 583. cottonseed meal, (31) 79; (35) 682.	factors affecting
excessive wheat feeding, (30) 865.	fall, raising, (3' fasting experiu
feeding stuffs, (32) 365. rice meal, (36) 83.	iattening with
smutty feeds, (26) 888.	fatty acids for, fecundity in, (
vegetable diet, (31) 400. atavism of coloration in, (31) 765.	feed requireme
attenuation of virus in blood, (27) 786.	feeding, (26) 1 172, 379, 470;
automatic feeder v. common trough for, (31) 568.	feeding-
bacillary pest, typhus, or paratyphus of, (33) 680.	and care,
bacon type, breeding and feeding, (35) 376.	and manag contest in
bacon type, notes, (25) 874. bacon type, raising, (29) 773.	establishm
bacterial flora of buccal cavity, (34) 279.	(29) 69.
banena meal for, (29) 572. Berkshire, body, heart, and lung weights, (30)	experimen
871.	769, 874; 571, 772, 366, 372,
blood and body temperature as affected by	366, 372,
exercise and sun's heat, (37) 381.	(29) 170, 668, 670,
blood neal for, (36) 369. blood, morphology, (37) 380, 381. bones, as affected by domestication, (35) 376.	174, 269, 868, 871; 667, 769,
bones, as affected by domestication, (35) 376.	868, 871;
brains of, (31) 165. breeding, (27) 875; (32) 569.	401, 404,
preeding	171, 266,
age as factor in (35) 868. and care, (33) 71, 74; (36) 472.	760, 871; 567, 663,
crate for, (39) 5.77.	567, 663, (35) 168,
experiments, (28) 574; (31) 567; (32) 466; (35) 869; (39) 176	773, 809, 471, 472,
111 Alaska, (29) 771.	(37) 67, 6
Denmark, (38) 1891.	768, 866;
Sao Paulo, (29) 368.	370, 372, 774, 874,
Philippines, (30) 809. Sao Paulo, (29) 368. management, (33) 74.	477, 478, 878, 880;
breeds, (86) 769. breeds and types, (32) 771.	878, 880; experiment
breeds for pork production, (33) 470.	871.
British breeds, (29) 371.	in dry lot,

```
ning, (40) 778,
 ning, (40) 778.
) 79.
) 79.
ition for, (26) 587.
ition by, (29) 60.
ition hy, (29) 60.
ition hy, (29) 60.
ition hy, (39) 169.
ition hy, (38) 169.
ition hy, (28) 169.
ition hy, (28) 269.
) 482.
  ep, handbook, (28) 70.
 sep, manthoose, (28) 5 9, 6 9, 6 ee in, (31) 567, 6 milk, (40) 775, 6 or, (29) 371. fa pasture for, (31) 828, cs for, (43) 6 8, emiss for, (38) 274, 6 typen number of mammae and
  , (31) 765.
tion, (34) 374; (37) 680.
og time, 56 373.
ng (111c), 5°1 3/3.

cell—
eras for, (3), 5°5.

b2: (30) 373, 4°5.

b2: (30) 373, 4°5.

b2: (30) 373, 6°5.

cell—
isoning, (30) 88°5.

cetton, (26) 364; (27) 178.

cepetinents, (32) 767.

(37) 582.

y ants, (26) 483.

n of race, (34) 769.

of ascard larvae in, (39) 587, 681.

of limbs, (31) 564.

beriments, (30) 565; (31) 667; (32)

y 758; (37) 677, 678; (38) 675.

in Argentina, (40) 683.

dbook, (40) 88, 783.

tise, (38) 781.

y in, (33) 467.

y in, (26) 472.

n gains, (38) 774.

sise on internal organs, (28) 272.

of, (29) 371.

cestry, (26) 769.

studies, (27) 172.

samples from, (39) 674.

ing endogenous metabolism of, (30)

ing pulse rate, (29) 66.
  ml —
  ng pulse rate, (29) 66.
37) 270.
  ments, (30) 672.
  automatic feeders, (29) 671.
 r, (39) 271.
(28) 570, 574.
lents, (26) 770.
164, 208; (28) 770, 874; (33) 71, 74, 0; (40) 177.
  (33) 762; (35) 569.
agement, (33) 172; (39) 274.
Canada, (33) 697.
  nent, cooperative, in Germany,
(38) 698.
```

Pigs-Continued.	Pigs-Continued.
fermentation products of stomach and intes-	manual. (26) 165.
tines, (30) 670.	marketing in the South, (37) 391. maturation of ovum in, (38) 65. measurements, (28) 571, 667, 767.
fertility in relation to size, (35) 273. fish meal for, (29) 270; (31) 563; (33) 169; (35)	measurements. (28) 571, 667, 767.
770.	melting point of fat as affected by feeding, (39) 374; (40) 772.
following calves, (39) 169, 171. following cattle, (31) 468.	374; (40) 772.
following cottonseed meal-fed steers, (34) 866.	374; (40) 772. melting point of fats, (39) 175. metaholism cage for, (27) 173; (33) 380. metaholism experiments, (26) 359; (30) 99, 570, 889; (31) 288; (32) 170; (33) 375, 465. milo maize for, (39) 174.
forage crop rotations for, (33) 266.	metabolism experiments, (26) 359; (30) 99, 570.
forage crop rotations for, (33) 266. forage crops for, (27) 571; (34) 172; (35) 869.	868; (31) 268; (32) 170; (33) 375, 465.
garbage feeding (38) 274: (40) 279-778	mino maize for, (39) 174. mineral mixture for, (34) 173.
fundus glands of stomach, (27) 571. garbage feeding, (38) 274; (40) 279, 778. garbage tankage or "stick" for, (34) 173.	mineral requirements, (40) 371.
grain ration for, (40) 574. grape mare for, (32) 567.	minimum energy requirement, (28) 469.
grape mare for, (32) 507. grazing, (39) 173.	mixed bacterial diseases of, (38) 588.
	mortality m, causes, (26) 288. new born, weights, (32) 862. nitrate of soda for, (31) 265.
grazing— crops for, (31) 169; (39) 173, 777. cxpcriments, (32) 221; (35) 567, 672; (37) 66; (38) 68, 160; (39) 173, 272, 372, 375, 479, 577, 777, 778, 878; (40) 72, 75, 371, 471, 472, 771. in the South, (38) 479. cap alfalfa (23) 479.	nitrate of soda for, (31) 265.
(38) 68 160: (39) 173 272 372 375 479 577	nuclein metabolism, (26) 363. nutrition studies, (27) 172.
777, 778, 878; (40) 72, 75, 371, 471, 472, 771.	nutritive requirements, (37) 264.
in the South, (39) 479.	occurrence of abscesses in, (26) 483.
on alfalfa, (33) 429; (36) 133. on corn, (39) 173, 778, 779, 878. on fodder crops, (38) 470. on irrigated lands, (37) 678.	oestrus and ovulation in, (37) 867. of Catanduanes Islands, (27) 771.
on fodder crops, (38) 470.	Guam, (30) 69.
on irrigated lands, (37) 678.	Sardinia and Corsica, (26) 168.
growing, creatin metabolism in, (28) 269. growing, mutrition as affected by quantity of	Tunis, description, (27) 571. oil cakes for, (38) 572.
protein consumed, (32) 71, 72, 73.	on Para grass pasture, (40) 366.
growth as affected by proteins and ash constitu-	origin and distribution. (31) 564.
ents, (28) 98. growth as affected by rations, (33) 375.	paralysis in, (26) 185; (36) 85. parasites of, (35) 878; (36) 85.
growth of, (30) 370, 467.	parathyroid glands of, (29) 377.
growth on rations from single plant sources, (33)	partial thyroidectomy in, (37) 278.
367.	pasture and grain crops for, (30) 771; (31) 470. pasture crops for, (30) 697; (35) 478.
growth on restricted rations, (33) 69. hairless, (37) 278; (39) 187, 790; (40) 183.	pastures and forages for, (29) 471.
harvesting crops with, (33) 871.	pasturing v. dry lot feeding, (30) 771.
hematology of, (32) 582.	paunch contents of freshly slaughtered animals for, (33) 672.
hippuric acid formation in, (32) 262. hogging-off corn, (40) 471, 771.	peanut meal for, (39) 577, 778; (40) 278, 279.
illustrated lecture on, (31) 694.	peanut meal for, (39) 577, 778; (40) 278, 279. peanut pasture for, (39) 373; (40) 667. peanuts for, (39) 174, 674.
immunization against—	peanuts for, (39) 174, 674.
anthrax, (31) 82. cholera, (27) 683, 786; (31) 585. erysipelas, (26) 587.	phosphate rock or ground bone for, (40) 772. pigment specks in, (34) 766.
erysipelas, (26) 587.	poisoning by mangels, (27) 780.
hog cholera, (28) 82, 285, 289, 383. swine plague, (26) 184, 289; (28) 285.	poisoning by tent caterpillar, (40) 586. prenatal growth of, (26) 167.
Voldagsen plague, (32) 378.	production, program for, (38) 672. profits and losses in, (34) 869.
immunization certificates for, (38) 179.	profits and losses in, (34) 869. protein metabolism, (27) 173.
improvement, (37) 768.	purebred v. crossbred, (31) 568.
improvement, value of good sires, (37) 866.	raising, see also Pig industry.
improved German, fecundity, (38) 65. improvement, (37) 768. improvement, value of good sires, (37) 866. in Germany, (33) 296, 668. Kongo, (31) 865. Marko, (32) 771	raising, (29) 573; (33) 98; (39) 576. raising—
1440A1CO, (DD) 111.	community organization in, (36) 192.
Philippines, (20) 666. United States, (31) 73, 167.	in Alaska, (39) 168. Canada, (33) 93.
inbreeding experiments, (39) 176.	Chino and Sibaria 1981 959
inbreeding experiments, (39) 176. individual, self-balanced rations, (40) 770, 771.	Colorado, (39) 274.
infection with avian tuberculosis, (26) 583. infection with flukes, (38) 82.	Colorado, (38) 274. Florida, (38) 875. Germany, (27) 71. Holland, (35) 273. Maine, (37) 080. Montana, (31) 174. Nobraska, (39) 73. Naw Jersey (20) 887 (38) 578
inheritance—	Holland, (35) 273.
in, (38) 675.	Maine, (37) 080.
of color in, (30) 69. fertility in, (34) 400.	MONUMBA, (31) 174. Nobrosko (30) 73
mammae in, (28) 570, 574; (29) 470; (38)	New Jersey, (26) 587; (38) 576.
65.	North Dakota, (34) 267; (40) 75.
rudimentary mammae in, (33) 470.	New Jersey, (24) 087; (38) 267. North Dakota, (34) 267; (40) 75. Southeastern States, (39) 779. Texas, (29) 773. the South (29) 570; (30) 470 770
internal parasites of, (31) 286; (33) 278; (34) 680. intestinal flora as affected by rations, (38) 875.	the South, (32) 570; (39) 479, 779.
intracutaneous tuberculin reaction with, (26) 180.	the South, (32) 570; (39) 479, 770. the West, (40) 177. on North Platte reclamation project, (34)
irrigated crops for, (36) 767.	267.
judging, (33) 71; (31) 94; (37) 94; (38) 398.	school lessons on, (39) 298.
kidney worm infestation of, (30) 384; (32) 479.	treatise, (34) 268.
killing and dressing, (38) 476. killing, scalding, and dressing, (28) 466.	ratio of sexes in. (38) 65.
indor requirements, (36) 790.	rape pasture for, (34) 174. ratio of sexes in, (38) 65. rations for, (30) 169.
Large Black, origin and characteristics, (26) 165. Large White English, manual, (36) 371	raw v. cooked milk for, (28) 775. refuse brewers' yeast for, (33) 508.
Large White English, manual, (36) 371. Large White Yorkshire, (33) 672.	remains of, from Friesian mounds, (26) 769.
lessons on. (27) 394.	reproductive organs, (27) 369. resistance to hog cholers virus, (34) 173.
liver lipolds, chemistry of, (31) 577. localization of pigment in, (27) 369.	resistance to hog cholers virus, (34) 173. respiration calorimeter for, (28) 463.
maintenance requirements, (26) 665: (29) 772.	rice by-products for, (39) 174, 478, 874.
malnutrition in, (34) 567. management, (27) 278; (28) 73; (30) 395; (35) 78. management on a small holding, (30) 90.	rice meal for, (36) 180.
management on a small holding, (30) 90.	rotation of blood plasma and serum in, (29) 881. rotation of crops for, (27) 572.

Pigs-Continued.	Pin-hole borers—
Pigs—Continued. roundworms affecting, (28) 285. rutting period in, (26) 768. salt poisoning in, (39) 680. Sapphire, notes, (31) 870. sarcosporidia in, (28) 883. selection and feeding, (29) 69. self-feeders for, (32) 99, 262; (35) 773; (37) 69, 90; (38) 475; (39) 174, 372, 478, 776, 777; (40) 73, 75, 770.	injurious to sal, (36) 360.
rutting period in, (26) 768.	notes, (32) 552.
Sapphire, notes, (31) 870.	studies, (31) 852. Pinacyanol and pinaverdol, synthesis, (40) 711.
sarcosporidia in, (28) 885.	Pinarids of Senegal, (27) 456.
selection and feeding, (29) 69.	Pinaverdol, synthesis, (40) 711.
Self-leeders for, (32) 99, 262; (35) 773; (37) 69, 90;	Pine—see also Pines and Pinus.
770.	aphids, woolly, notes, (26) 856. bark aphid, notes, (28) 353; (30) 657.
5611-1664116 V. Hand-16641116, (50) 412, 506.	bark beetle, studies, (36) 554.
Siska, studies, (26) 368.	bark borer, notes, (30) 657.
skim milk and potatoes for, (31) 75.	parren vegetation in New Jersey, (36) 539.
skim milk for, (40) 76. slaughter tests, (27) 470.	beetle, large brown, studies, (30) 856. beetle, notes, (26) 561.
slaughter tests at Smithfield Show, (31) 565.	beetle, southern, notes, (26) 456; (27) 59.
slaughter weights, (30) 174.	Diignt, notes, (30) 849,
slaughtering on the farm, (35) 317. slaughtering operations in the West, (26) 571.	blister rust—see also White pine blister rust. alternate hosts, (36) 547.
soft, hardening, (39) 174, 374.	control in Canada, (38) 646.
soiling v. pasturing, (34) 265.	control in Massachusetts, (36) 843; (37) 646.
soiling v. pasturing, (34) 265. sore mouth disease in, (31) 880. sorghum grains for, (39) 71, 174.	control in Minnesota, (36) 652.
soy bean pasture for, (39) 373, 375, 474.	control in New York, (37) 846. control in United States and Canada, (38)
spleen, bacterial content, (39) 389.	254.
structure and growth of pancreas, (32) 378.	control in Vermont, (34) 837; (36) 539.
suckling, immunity to hog cholera, (37) 881.	control of Ribes generation of, (31) 451. diagnosis, (38) 355.
susceptibility to blackleg, (31) 585.	dissemination by gypsy moth larvae, (38)
sugar for, (33) 467. sugar for, (33) 467. susceptibility to blackleg, (31) 585. susceptibility to tuberculosis, (26) 178. test of breeds, (31) 470; (33) 791. treatise, (26) 688; (27) 470; (29) 872; (31) 769; (32) 262; (37) 769.	960
test of breeds, (31) 470.	early discovery in United States, (38) 254. in Canada, (37) 558; (38) 758. Maine, (37) 244. Massachusetts, (36) 454; (38) 651. Minnesota, (38) 155. New York, (36) 53.
treatise. (26) 668: (27) 470: (29) 872: (31) 769:	Maine (37) 244
(32) 262; (37) 769.	Massachusetts, (36) 454; (38) 651.
tabeleatar, haunorogical changes in organs or,	Minnesota, (38) 155.
(31) 777. tuberculin reaction in, (33) 877.	New York, (36) 53.
tuberculin tests, (29) 499.	New York, (36) 53. 454; (37) 155; (38) 652. inoculation experiments, (38) 151. introduction into the West, (40) 54. law in New Hampshire, (37) 547. notes, (30) 653, 769; (31) 247, 348, 647; (33) 351; (35) 551; (36) 145, 160, 648; (37) 253, 458, 658, 757; (38) 53, 355, 455, notes and treatment, (29) 249.
uniform classification for fairs, (33) 697.	introduction into the West, (40) 54.
unit characters in, (28) 574.	law in New Hampshire, (37) 547.
use of food by, (34) 400. utilization of phytin phosphorus, (39) 675.	notes, (30) 653, 746; (31) 247, 348, 647; (33)
velvet bean meal for. (40) 279.	458, 658, 757; (38) 53, 355, 455,
velvet bean meal for, (40) 279. velvet beans for, (40) 76.	
VIADILITY OF CVStreerer in. (29) 482.	outbreaks in United States, (35) 251.
whey for, (26) 779, wild and domestic, of Laibach moor, (30) 871.	overwintering, (37) 658, 845, 846; (38) 249. quarantine in United States, (36) 245.
wild and domestic, of Laibach moor, (30) 871. worms infesting, (27) 181; (37) 779.	studies, (34) 750; (38) 254,
Yorkshire, gestation period, (34) 373.	studies, (34) 750; (38) 254. threatening Pacific States, (34) 354. treatment, (31) 50.
Pigweed—	treatment, (31) 50.
analyses, (32) 169. eradication, (34) 228. rough, analyses, (34) 39. seed, analyses, (39) 502.	western, (39) 858. wintering on currants, (36) 353, 652.
rough, analyses, (34) 39.	borer, bayonet or post-horn, notes, (36) 856.
seed, analyses, (39) 502. water requirement, (32) 127.	chips, extracted, pulping, (38) 809. cone bectles, notes, (33) 458. cones, collection, (33) 645.
western, geographical distribution, (26) 335.	cones, collection, (33) 645.
Pilacre petersii, notes, (36) 851.	cones, insects affecting, (31) 849. cross-arms, tests, (27) 443. disease, studies, (33) 448. diseases, notes, (26) 844, 852; (30) 647; (31) 841. dry rot, studies, (31) 547.
Piles—	cross-arms, tests, (27) 443.
creosoted, notes, (27) 348. overhead, prolonging life of, (30) 47.	disease, studies, (33) 448.
preservation, (31) 241; (33) 544.	dry rot, studies, (31) 547.
Pilobolus—	forest sons, intermediation studies, (10) 416.
crystallinus, spotting of roses by, (31) 641.	forests, effect on accumulation and melting of
response to light, (40) 519. Pilocarpin, effect on milk secretion, (28) 175.	snow, (33) 318. forests of Brazil, (40) 745.
Pilocrocis tripunctata—	forests, swamping, in northern Sweden, (27) 121.
notes, (40) 259.	growth in relation to altitude, (40) 129.
studies, (38) 465. Pilophorus walshii, notes, (40) 165.	heart rot, notes, (28) 241.
Pimenta acris, culture experiments, (38) 542,	humus, effect on plant growth, (32) 618. lands, clearing, (28) 289.
Pimenta acris, culture experiments, (38) 542. Pimento disease, notes, (39) 849.	ieal cast in Sweden. (32) 643.
Pimento, insects affecting, (38) 459. Pimenton—	leaf cast, studies, (26) 651.
ether extract of, (26) 99.	leaf cast, studies, (28) 651. leaf mold, fertilizing value, (29) 622. leaf scale, notes, (28) 353; (34) 752.
origin and composition, (20) 264.	leaves, internal temperature in winter, (32) 639.
Pimpla—see Itoplectis conquisitor.	midge, gouty, notes, (29) 656.
instigator, oviposition and parthenogenesis in,	moth, destructive, from Europe, (32) 251.
(30) 362. instigator, parasitic on gipsy moth, (31) 652.	moth in Bohemia, (33) 748.
maculator, notes, (26) 151.	moth, Zimmerman, studies, (34) 159. needle cast, notes, (37) 458. needle diseases, notes, (30) 544.
maculator, notes, (26) 151. maculator, parasitic on alfalfa weevil, (31) 61.	needle diseases, notes, (30) 544.
pedalis, notes, (28) 755.	needle rust, occurrence in Vermont, (38) 253.
pomorum, notes, (29) 562. pomorum, studies, (40) 65.	and straw, analyses. (30) 127.
porthetriae n.sp., description, (26) 352.	and straw, analyses, (30) 127. as feeding stuff, (28) 768.
porthetriae n.sp., description, (26) 352. roborator, notes, (32) 151.	composition and digestibility, (35) 4/4.
rodoralor, seudies, (40) 857.	decomposition in soil, (40) 214. digestibility, (28) 464.
sp., studies, (26) 458. spp. in Europe. (34) 657.	significance and history, (40) 819.
spp. in Europe, (34) 657. spp., notes, (27) 658, 559; (29) 256. Pimplides in British Museum, revision, (31) 656.	nursery stock, growth and mortality, (38) 847.
Fimplides in British Museum, revision, (31) 656.	nuts, microscopic identification, (28) 565.

```
Pineapple—Continued fungus on coconut, (40) 751, industry in Porto Rico, (32) 745, julce, ferments of, (35) 713, julce, ferments of, (35) 713, julce, preparation, (33) 316.

Kanai will, investigations, (37) 155.
Phytophthora disense, notes, (39) 549, rots, notes, (31) 841, scale, note, (39) 543, seedlings, growing, (37) 142, seedlings, growing, (37) 142, vinegar, manufactine, (30) 813, weevil, notes, (38) 163; (10) 259, will, studies, (37) 550, yellows, notes, (37) 155, yellows, notes, (37) 155, yellows, notes, (37) 155, yellows, treatment, (36) 850.

Pineapples—analyses and use, (30) 363, as affected by manganese, (27) 842; (36) 538 as affected by phale, (33) 537, breeding experiments, (30) 838; (32) 742, canned, keeping in open tins, (39) 317, cold storage of, (32) 439, composition and fertilizer requirements, (40) 446, composition at different stages, (27) 842.
                   ne—Continued.
oil, chemistry of, (33) 19,
oil, insecticidal value, (34) 359,
reproduction as affected by baar clover, (40) 842,
resin, effect on soils, (36) 513,
root disease, studies, (27) 851,
rust, ben opean, in Wisconsin, (30) 653,
rust, ben opean, in Wisconsin, (30) 653,
rust, treatment, (31) 630,
rusts in Sweden, (33) 816,
rusts, now species, (39) 30,
rusts, notes, (29) 547; (31) 641; (40) 319, 645,
rusts, studies, (31) 154; (39) 859,
sawlly, European, see Diprion simile,
scale in Argentina, (39) 560,
seed—
Pine-Continued.
                          seed-
                                                1—
as affected by source, (28) 544.
beds, disinfection, (33) 250.
beds, fungus flora, (40) 852.
collection, (29) 444.
destruction by squirrels, (31) 154.
factors affecting germination, (26) 543.
germination as affected by chemicals, (28)
843.
                           843.
germination tests, (27) 444; (38) 447.
inp ovement of quality, (29) 843.
selection and extraction, (28) 440.
testing, (27) 243; (29) 44; (35) 543.
seedling disease, notes, (37) 458.
                                                                                                                                                                                                                                                                                                                                                                                                          composition at different stages, (27) 842. cover crops for, (31) 635; (33) 535; (34) 736. culture, (28) 437; (31) 494; (35) 542. culture.
                             seedlings-
                                                    silings—absorption of fortilizers by, (20) 443. as affected by shade and moisture, (39) 751. damping-off, (27) 055; (31) 647; (32) 647; (33) 551; (39) 254. drought resistance in, (38) 44. evaporation studies, (31) 824 fortilizer experiments, (32) 47. from dissimilar habitats, (32) 339. growth. (38) 144.
                                                                                                                                                                                                                                                                                                                                                                                    culture, (28) 437; (31) 494; (38) 542.
culture—
experiments, (28) 142; (33) 737.
in Burma, (29) 736.
Hawaii, (28) 48.
Philippines, (34) 635.
decay in transit, (52) 745.
fertilizer experiments, (30) 525; (38) 748.
funigation experiments, (27) 841.
function of manganese in, (27) 120.
green manure experiments, (37) 144.
growth on calcarcous soils, (31) 627, 816.
improvement, (37) 142.
insects affecting, (27) 453; (28) 49; (38) 459.
lime-magnesia requirements, (29) 520.
packing, shipping, and marketing, (28) 743.
peptolytic enzyms in, (32) 130.
phosphorus content, (27) 461.
plant-food requirements, (27) 217.
Porto Rican, handling, (32) 745.
seedling, growing, (38) 841.
Pinene, therapeutic value, (38) 549; (38) 342.
Pinene, therapeutic value, (38) 585.
Pines—
                                                       growth, (38) 144.
root rot of, (34) 546.
transpiration and composition, (32) 824.
transpiration in, (33) 224.
white, development in nursery beds, (31)
                           white spot injury, (40) 53.
shoot disease, (32) 845.
shoot moth, European—
in New Jersey, (34) 355.
notes, (34) 752; (36) 854.
studies, (32) 654.
shoot moth, notes, (33) 58.
siskin, destruction of grain aphids by, (29) 452.
sleepers, antiseptic treatment, (27) 542.
spinner, studies, (35) 759.
spray, analyses, (33) 735.
stands—
offect on soil physics. (20) 140
                                                                                                                                                                                                                                                                                                                                                                                                                accretion in lower part of stems, (31) 538.
Arizona yellow, growth and density of stand,
(37) 837.
as affected by—
                                 stands—
offect on soil physics, (20) 140.
regenerating, (20) 240.
stom height in, (31) 538.
succession by oak stands, (34) 537.
sten canker, notes, (20) 547.
timber, Indian, contraction and warping, (38)
                                                                                                                                                                                                                                                                                                                                                                                                                                             origin and germinative power of seed, (27)
                                                                                                                                                                                                                                                                                                                                                                                                                   origin and gorimmater power of seed, (27)
148,
smoke, (31) 521, 730.
soot, (31) 827.
Australian, borer injury, (40) 860.
Australian, individual selection experiments, (29)
          751.

tip moth, notes, (37) 255.
tipburn, notes, (38) 52.
twig horer, notes, (38) 856; (40) 652.
unit stresses for, (36) 91.
weevil, notes, (32) 852; (33) 252; (34) 158; (36) 856; (38) 459.
weevil, remedies, (35) 54; (38) 859.
weevil, spotted, notes, (26) 147.
western red rot, studies, (35) 555; (36) 753.
wood, carbohydrates of, (34) 008.
wood, carbohydrates of, (34) 008.
wood, formation of tôre in, (28) 826.
wood, production of turpentine from, (26) 413.
yellow, analyses, (38) 309.
yellow, durability, (37) 727.
yilod graphs, (30) 352.
Pinesi gland, physiological function, (29) 168.
Pineapple—
                                                                                                                                                                                                                                                                                                                                                                                                                   442.
black, color variation in seed, (32) 144
black, color variation in seed, (32) 144
                                                                                                                                                                                                                                                                                                                                                                                                          442.

black, color variation in seed, (32) 144.
black, silvienitural management, (32) 48.
cost of growing, (20) 49.
Cuban and longleaf, oils of, (33) 18.
culture experiments, (33) 542.
culture in Nordland, (33) 542.
diameter growth in, (34) 536.
daying in Southern States, (26) 456.
East Indian, wood structure, (30) 46.
ovaporation from, (34) 537.
growing with sprace and beech, (27) 542.
growth on sand dunes, (27) 217.
height growth as alfected by woather, (34) 640.
identification of species, (38) 144.
insects affecting, (28) 750; (30) 249; (36) 853.
insignis or Monterey, disease, (39) 653.
jack, diseases of, (33) 351.
jack, pulpwood from, (27) 541.
Jeffrey, inlury by pack rat, (38) 53.
lerch canker affecting, (30) 248.
leaf and twig oils of, (33) 490.
loblolly, forest management, (30) 446.
loblolly, of North Carolina, (33) 844.
             Pineapple-
                                        canning industry of the world, (33) 594.
                                         chlorosis-
                                      cause and treatment, (26) 121.
notes, (27) 129.
relation to calcureous soils, (29) 623.
treatment, (30) 544.
disease, new, in Philippines, (38) 853.
fruit fly, danger of introduction, (39) 467.
fungus, notes, (39) 849.
```

Pines—Continued.	Pines-Continued
lodgepol e	Pines—Continued. western yellow—continued.
for telephone poles, (30) 843. in Rocky Mountains, (32) 542.	mill tally, (37) 451,
reproduction (26) 843	needle disease of, (35) 354. planting, (29) 544: (39) 51.
seed behavior, (37) 244.	relation to spring rainfall, (39) 847.
seed behavior, (37) 244. transplanting, (38) 44. utilization and management, (33) 443.	reproduction as affected by grazing, (40) 343.
volume table for, (31) 743. longevity and yield as affected by depth of planting, (29) 842.	seed production in, (26) 543.
longevity and yield as affected by depth of	studies, (26) 240.
longleaf—	test of seed from different sources, (28) 543. tests, (37) 89.
conversion into paper pulp, (30) 615.	volume tables for, (34) 641.
creosoting, (39) 394. density and porosity, (32) 47.	yield and reproduction in Arizona and New Mexico, (38) 847.
distinguishing from other pines, (33) 844.	white, see White pine.
fiber dimension studies, (35) 734, paper pulp from, (31) 144.	white-barked, description, (35) 745. yellow—
reproduction, (32) 237.	habitat extension, (29) 545.
reproduction following fire, (39) 51. volume tables for, (35) 748.	handbook, (31) 444.
yellow, utilization of waste, (34) 839.	in California, (36) 745. oil from, (31) 19.
management in Saxony, (29) 342. maritime, introduction into Florida, (28) 543.	oil from, (31) 19. reforestation, (29) 544.
maritime, tumors of, (40) 159.	relation between stand density and wood volume, (31) 743.
Monterey, notes, (33) 739.	tests of strength, (29) 387.
mountain, culture experiments, (26) 443. mountain, in eastern central Alps, (32) 237.	windfall damage (34) t.40. yield tables, (26) 843; (27) 348.
natural and artificial regeneration, (31) 537. Norrland, diseases of, (28) 750.	young, dying about ant hills, (38) 651.
Norrland, diseases of, (28) 750. North American, distribution, (29) 149.	Pinipestis—
Norway, in Lake States, (32) 339.	erythropasa n.sp., description, (32) 850. zimmermani, notes, (37) 255.
of Rocky Mountain region, (37) 346.	zimmermani, studies, (34) 159. Pink—
of Sweden, computation tables, (26) 140. of United States, (26) 50.	bollworm, see Cotton bollworm, pink.
piñon, management in New Mexico, (38) 644.	bud rot, notes, (28) 750.
pitch, characteristics and distribution, (37) 837. pitch, disease decaying sapwood, (39) 153.	yeast, occurrence in sugar, (26) 505. Pinks—
primary type and cubical content, (26) 338.	and carnations, treatise, (27) 41.
red, growth measurements, (29) 343. reproduction on polar forest border, (29) 442.	garden, history, (32) 440. handbook, (26) 139.
Scotch—	insects and diseases affecting, (35) 154.
absolute form quotient, (39) 247. as affected by source of seed, (28) 440; (29)	Pinnaspis buxi, notes, (28) 854. Piñon as source of navel stores, (28) 146.
841.	Piñon blister rust, studies, (39) 858.
individual selection experiments, (29) 441.	Pinus—see also Pine and Pines. albicaulis, resinous tracheids, (39) 451.
leaf cast, notes, (28) 652. planting in Pennsylvania, (38) 847.	betheli n.sp., description, (30) 538.
seed from various sources, value, (26) 49.	bungeana, descriptive notes, (35) 745.
volume table, (39) 451. weevil injury, (39) 159.	characteristics and classification, (31) 743. chondriosomes, (39) 332.
screw, of Philippines, (33) 433.	contorta, utilization and management, (33) 443 echinata, life history, (33) 443. excelsa as host of white pine blister rust, (31)
scrub, fungus discuses of, (31) 348. selection-strip method of cutting, (29) 240.	excelsa as host of white pine blister rust, (31)
shortleaf	647.
importance and management, (34) 346. in Virginia, (30) 534. life history, (33) 443. Siberian, distribution and importance, (29) 442.	excelsa, blister rust affecting, (31) 349. insignis, potash content, (40) 321.
life history, (33) 443.	lambertiana, studies, (56) 447. longifolia, silvicultural study, (35) 649.
site in relation to height and volume, (35) 43.	longifolia timber, contraction and warping
slash, distribution and value, (36) 144.	longifolia timber, contraction and warping while seasoning, (38) 751.
slash, notes, (36) 345. smoke-injured, microscopic analysis, (26) 532.	montana, in eastern central Alps, (32) 237. photomorphic shoots in, (30) 744.
southern—	pinea, Sphaeropsis necatrix on, (39) 859.
correlation of strength and durability, (39) 51.	ponderosa— as affected by mistletoe, (39) 57.
reproduction, (39) 450.	seed production in, (26) 543.
utilization of waste, (33) 615.	studies, (20) 240. radiata, proliferation of spur shoots in, (31) 326.
spur shoot of, (31) 522. stand of in relation to soil moisture, (33) 816.	rigida, growth studies, (28) 49.
sugar, in California, (36) 745. sugar, studies, (36) 447.	sabiniana, economic possibilities, (26) 51. spp., effect of moisture relations on, (30) 228.
Swedish, notes, (38) 447.	spp., length of tracheids in, (33) 143.
volume and value accretion in, (29) 747.	spp., Razoumofskya infection, (40) 253. strobus, growth studies, (32) 840.
western— as source of naval stores, (28) 146.	sylvestris
oleoresins of, (28) 512.	anomilies of growth in, (35) 755. tube development in microspore, (40) 223.
soft, habits and use, (35) 241. turpentine production from, (31) 744.	witches' brooms affecting, (27) 253.
white, marking rules in Idaho, (38) 46.	taeda belt of Atlantic coastal plain, (37) 435.
white, second-growth, source of seed, (38)	uncinnata, culture experiments, (26) 443. virginiana, fungus diseases of, (31) 348.
 white, seed production, (33) 144. 	Pioneer Irrigation District, drainage system for,
western yellow— as affected by grazing, (38) 447.	(34) 483. Pionnotes capillacea n.sp., notes, (37) 148.
culture in Black Hills, (34) 640.	Piophila casei, see Cheese skipper.
growth in pure and composite stands, (29) 43.	Piophilidae, synopsis, (37) 665. Pipe—
in Oregon, (36) 645.	drains, old, renovation, (31) 685. lines, construction, (30) 188, 289.
mill scale study, (34) 838.	lines, construction, (30) 188, 289.

Pipe—Continued.	Piroplasmosis—Continued.
lines, efficiency, (28) 683.	immunization, (31) 585.
lines, metal, construction, (34) 483.	immunization, (31) 585. in Barbados, (37) 483. Brazil, (31) 85.
Piper betle, composition of leaves, (31) 108.	Brazil, (31) 85.
Piper methysticum, insects affecting, (27) 453.	
Piper betle, composition of leaves, (31) 108. Piper methysticum, insects affecting, (27) 453. Piperidin, nitrification as affected by lime, (38) 119.	cattle in Sweden, (40) 585. domestic animals, treatment, (32) 273. European cattle, (34) 82, 478, 575.
Pipes—	domestic animals, treatment, (32) 273.
cement, for orchard irrigation, (30) 889.	European cattle, (34) 82, 478, 575.
concrete, construction, (29) 487.	horses, camels, and hares, (30) 679.
concrete, for irrigation water, (29) 485.	Russian Turkestan, (37) 374.
corrugated metal, tests, (35) 580; (37) 288.	Russian Turkestan, (37) 374. sheep, (29) 81, 482; (33) 282.
corrugated metal, tests, (35) 580; (37) 288, flow of water in, (29) 181, 290, 891; (30) 786.	solipeds in Transcaucasia, (29) 582.
jointed concrete, tests, (30) 689.	Yucatan, (27) 782.
large, strength of, (31) 186.	infection through mucous membranes of dogs
pressure, for water conveyance, (30) 187.	(29) 483.
reinforced concrete, tests, (30) 889; (31) 784;	
	marginal points in, (26) 173.
(32) 885.	monograph, (30) 79. notes, (36) 880.
theory of loads on in ditches, (29) 685.	notes, (36) 880.
water, loss of head in due to bend, (31) 384.	parvum type, in cattle, (34) 383.
wood-stave-	relapse in, (33) 281. status and control, (37) 480.
construction and use, (33) 886.	status and control, (37) 480.
flow of water in, (36) 281.	transmission to pigs by ingestion, (37) 691.
frictional resistance in, (30) 885.	treatment, (27) 184; (35) 379.
repairing with concrete, (34) 890.	Pissodes—
specifications, (37) 487.	notatus, notes, (26) 147; (28) 750.
use, (31) 685.	notatus, notes, (26) 147; (28) 750. strobi, notes, (26) 856; (28) 353; (33) 252; (34) 158
Pipette—	(36) 856; (38) 459.
absorption, description, (40) 308.	strobi, remedies, (33) 58; (36) 859.
automatic, description, (36) 202.	strobi, studies, (39) 159.
automatic suction attachment, (37) 503.	validirostris, notes, (31) 849.
capillary, description, (40) 286.	Pistaches, culture in southern Texas, (32) 539.
for measurement of small volumes, (40) 806.	
for sampling milk and its products, (36) 805.	Pistachio— hiology and culture (37) 746
for tubing culture media, (40) 12.	biology and culture, (37) 746.
holder, description, (36) 275- (40) 581	culture in Crimea, (37) 145.
holder, description, (36) 275; (40) 581. safety, new form, (38) 203.	leaf spot, notes, (34) 843; (37) 551.
maching dayion (99) 909 909	nuts, microscopic identification, (28) 565.
washing device, (38) 203, 803.	Pistol case-bearer, biology, (40) 757.
Pipiza—	Pisum—
californica n.sp., description, (38) 863.	gametic reduplication in, (30) 433.
pisticoides, notes, (36) 460.	genetic factors, (38) 226.
Piptadenia peregrina, narcotic snuff from, (36) 734. Pipunculidae of Virginia, (35) 259.	inheritance studies, (40) 147, 225.
Pipunculdae of Virginia, (35) 259.	sativum—
Pipunculids, life history, (33) 860.	as affected by light, (29) 526.
Pipunculus-	bacterial disease, (40) 844.
n.spp., descriptions, (34) 857.	betains in, (27) 203.
spp., parasitic on sugar beet leafhoppers, (33)	relation of seed Weight to mortality. (31) 35.
747.	respiration in, (27) 523.
Piricularia—	respiration in, (27) 523. variations in, (30) 739.
n.spp., descriptions, (40) 156.	tropisms of hypocotyl, (39) 629.
oryzae, notes, (36) 846; (37) 838; (40) 845.	Pitanga, description and culture, (35) 144.
studies, (40) 156.	Pitcairnia xanthocalyx, glycogen content, (27) 133.
Piroplasma—	Pitches, specifications and definitions, (35) 888.
annulatum, notes, (34) 384.	Pith-ray flecks in wood, (29) 44.
argentinum, notes, (27) 184.	Pittosporum tobira variegatum, bud variation, (37)
bigeminum—	546.
and P. divergens, cross-immunization tests,	Pituitary—
(37) 687.	body-
immunization, (26) 382.	active substances of, (30) 578.
in cows in Eritrea, (38) 888.	composition and physiological activity, (36)
notes, (27) 182, 784.	
stage of in cattle ticks, (35) 385.	267,
coballi—	extracts, effect on cows, (29) 578.
in equine biliary fever in India, (32) 278.	growth-controlling principle, (35) 8.
notes, (29) 83.	effect on growth of chickens, (32) 263.
relation to equine piroplasmosis, (26) 177.	affect on milk generation (21) 279: (20) 280
canis, culture in vitro, (30) 481, 781.	effect on milk secretion, (31) 272; (32) 268
canis, distribution in infected dogs, (26) 486.	871; (37) 272.
divergens nen description (28) 883	effect on resting overy in fowls, (33) 472.
divergens n.sp., description, (26) 683. gibsoni, notes, (28) 83.	use in bovine and equine obstetrics, (30)
infection in healthy cattle, (30) 282.	180.
	gland, feeding to white rats, (28) 370.
notes, (27) 181.	substance, effect on—
ovis, occurrence in Dalmatia, (29) 482.	egg production and growth, (34) 75, 668.
spp. in cattle in Germany, (28) 82.	growth, (36) 468.
spp., notes, (26) 173, 782.	growth and sexual development, (34) 765.
Piroplasmosis—	growth of white mice, (35) 865.
bovine, see Texas fever.	milk secretion, (30) 272.
canine—	Pituitrin—
In Porto Rico, (31) 781.	effect on milk secretion, (34) 270.
in Porto Rico, (31) 781. notes, (27) 782; (28) 83.	in fetal pituitary and suprarenal glands, (34)
notes and treatment, (26) 882	675.
of Europe and Africa, (30) 481.	pressor effect on, (29) 882.
studies, (27) 884.	Pitymys savi, eradication, (36) 852.
of Europe and Africa, (30) 481. studies, (27) 884. treatment, (20) 889; (34) 276.	Pityogenes—
equine	bidentatus, notes, (31) 61.
in Algeria, (30) 282. in Canal Zone, (29) 83, 483.	hopkinsi, studies, (36) 659.
in Canal Zono, (29) 83, 483.	n.spp., descriptions, (36) 659.
in Panama, (29) 682.	Pityokteines elegans n.sp., description, (35) 856.
notes, (26) 384.	Pityophthorus n.spp., descriptions, (34) 361.
in Panama, (29) 682. notes, (26) 384. parasites of, (26) 177; (31) 382. relation to biliary fever, (20) 887.	Placenta—
relation to biliary fever. (26) 887.	action of enzyms on, (40) 566.

Placenta—Continued.	Plant Continued
chemical composition, (37) 109.	Plant—Continued.
growth-promoting substance in, (40) 566.	breeding—continued. in North America, (27) 239.
maternal experimental production (97) 174	Scandanavia, handbook, (29) 636.
Plaesius javanus, notes, (35) 57.	Sweden, notes, (26) 839.
Plagia americana, notes, (28) 253.	Uruguay, (39) 835.
Plagia trepida, biology, (36) 858.	instruction in, (28) 393.
Plassius Javanus, notes, (35) 57. Plagia americana, notes, (28) 253. Plagia trepida, biology, (36) 858. Plagiodera versicolora, notes, (37) 359; (40) 754. Plagiognathus politus, relation to fire blight, (36)	Uruguay, (39) 835. instruction in, (28) 393. methods, (27) 342; (39) 444.
Plagiognatinus politus, relation to are bagnt, (36)	notes, (28) 435.
	physiological correlations and climatic
Plagiolepis longipes, studies, (35) 467; (38) 364. Plagionotus speciosus, notes, (26) 147.	reactions in, (31) 629.
	plats, management, (29) 636. plats, standing room of plants in, (30) 632.
bubonic, in camels, (30) 784,	principles of, (30) 732.
bubonic, paper on, (26) 245.	review of investigations, (38) 367.
bubonic, transmission by rodents, (27) 754.	review of literature, (28) 536; (29) 830.
dissemination by rats, (34) 548.	rod-row tests, (38) 429.
eradication in cities, (27) 754.	rod-row tests, (38) 429. selection in, (30) 732.
bubonic, in camels, (30) 784. bubonic, paper on, (28) 245. bubonic, transmission by rodents, (27) 754. dissemination by rats, (34) 548. eradication in cities, (27) 754. eradication in Porto Rice, (29) 158. flea of Siberia and Manchuria, notes, (26) 252.	selection problem in, (38) 64. station at University of Halle, (28) 736.
	station at University of Halfe, (28) 736.
human, in East Suffolk, England, (26) 461. human, vaccine for, (37) 378. in Hawaii, notes, (26) 854.	teaching (96) 169
in Hawaii, notes, (26) 854.	textbook, (39) 671; (40) 817
infection in domestic animals, (26) 280.	studies, (39) 746, 747. teaching, (26) 162. textbook, (39) 671; (40) 817. theory of cryptomery, (29) 434. theory of factors, (29) 433. treatise, (20) 325; (28) 736; (31) 131; (32) 220, 425, 430, 822.
infection in rats, (27) 754.	theory of factors, (29) 433.
investigations in India, (26) 653.	treatise, (26) 325; (28) 736; (31) 131; (32) 220,
pneumonic, susceptibility of animals to, (28)	425, 430, 822.
180. relation to—	work of Buttlef Burbank, treatise, (32) 143.
flags (27) 50 754	bug, tarnished, see Tarnished plant bug. bugs, notes, (28) 752.
fleas, (27) 59, 754. rodents, (34) 355; (40) 161.	bugs, notes, (28) 752.
tarbagans, (27) 454.	catalase, physiology of, (26) 803.
weaseis, chipmunks, and pocket gopners,	cell bodies and mitochondria, differentiation, (39) 730.
(26) 59.	cell membranes, chemistry and structure, (34)
transmission, (33) 456, 552.	626.
transmission—	cell reactions in relation to aphids, (32) 553.
htt hadhage (32) 747: (38) 550	cell substances, electric charge of, (34) 525.
fless (26) 61: (33) 740	cells—
among marmots, (37) 180, 878. by bedbugs, (33) 747; (38) 559. fleas, (29) 61; (33) 749. insects, (29) 756.	absorption of uranium by, (27) 826.
tarbagans, (26) 653.	acidity, (37) 430.
Plane tree leaf scorch, notes, (32) 347.	as affected by electrolytes, (27) 732.
Planera aquatica, culture for wild ducks, (33) 251.	changes in during formentation (26) 902
Plank drag for soils, (32) 789.	assimilation of nitrates in, (27) 332, changes in during fermentation, (36) 802, chondriosomes in, (29) 217.
Plant— activities, relation to soil moisture, (27) 214.	
activities, relation to sun spots, (38) 114.	entrance of coloring matters into, (27) 632. formation of starch in, (27) 133. intake of material by, (34) 333. labile albuminous body in, (36) 225.
alkaloids, synthesis of, (31) 409.	formation of starch in, (27) 133.
alkaloids, synthesis of, (31) 409. alkaloids, treatise, (29) 503.	intake of material by, (34) 333.
anatomy, pathological, treatise, (36) 46. anatomy, treatise, (31) 728; (33) 724. and animal life, treatise, (28) 897.	nation and in in (40) 225.
anatomy, treatise, (31) 728; (33) 724.	mitochondria in (40) 425 818
and animal tumore, comparison (20) 512	metachromatin in, (40) 325. mitochondria in, (40) 425, 818. mutation in, (36) 222. nitrogen assimilation in, (28) 428.
and animal tumors, comparison, (29) 548. antigens, hemagglutinating and precipitating	nitrogen assimilation in, (28) 428.
capacity of, (26) 607.	permeability, (29) 627, 628; (37) 128, 326,
ashes as source of potash, (37) 427.	431, 632.
ashes, composition, (39) 607. associations in western Pennsylvania, (38) 425.	permeability as affected by electrical stim-
associations in western Pennsylvania, (38) 425.	ulus, (36) 732.
associations in wild hay meadow, (32) 329.	permeability in relation to temperature
associations, studies, (31) 35.	and acidity, (35) 224. physical-chemical analysis, (29) 408.
bases, studies, (31) 309. bases, treatise, (31) 10.	protein synthesis in, (28) 428.
Biology Station in France, (28) 498.	protoplasm of, (34) 33.
breeding-	reaction to plant lice, (33) 444.
and seed control, (40) 245.	reduction oxidation regions in, (34) 33.
applicability of pure-lime theory, (39) 573.	reserve albuminous bodies in, (35) 332.
at Syaloi, Swedon, (31) 830.	rôle in sap ascent, (27) 829; (34) 727. rôle of chondriome in (40) 223, 323.
hibliomenhy (98) 145	Size and Shade. (39) 220.
at Syalof, Swedon, (31) 830. at Tystofte, (30) 134. bibliography, (28) 145. color transmission in, (39) 734. cooperative, in Wisconsin, (28) 593. experiments, see also special crops. experiments, (27) 343, 528, 734, 741; (31) 829.	size in relation to mutational characters,
cooperative, in Wisconsin, (28) 593.	(40) 323.
experiments, see also special crops.	synthesis, (27) 464.
experiments, (27) 343, 528, 734, 741; (31) 829.	turgescence and water absorption, (39) 731.
	characteristics, relation to seed weight, (29) 522; (31) 824.
at Syalor, Sweden, (30) 435.	chemistry, progress in, (29) 408.
control of Stray pollen in, (38) 430.	chimeras, notes, (32) 726; (33) 429; (40) 826.
at 5 valöt, Swoden, (30) 435. control of stray pollen in, (38) 430. error in, (30) 525; (39) 830, 831, 832. personal equation in, (26) 734.	chlorosis—
spacing in, (35) 437.	in nutrient solutions, (36) 633.
breeding— for disease resistance, (30) 331; (40) 344.	investigations, (28) 425.
for disease resistance, (30) 331; (40) 344.	notes, (34) 720.
genetic and environmental factors in, (30)	relation to soil alkalinity, (30) 50. chromosomes, see Chromosomes. colloids, studies, (35) 501.
329.	curomosomes, see Unromosomes.
heterozygosis in, (27) 428; (29)[31.	coloring matters, chemistry, (27) 310.
in Canada, (34) 40. Dahlem (34) 737	communities, ecological classification, (39) 28.
Dahlem, (34) 727. Europe, (27) 239.	competition, studies, (40) 424.
Germany, (30) 525.	constituents humification (35) 627: (38) 28, 27.
Germany, (30) 525. Germany, treatise, (28) 43. Italy (37) 827	cover, relation to soil acidity, (27) 29.
1EQ17 (27) 827	eniture, treatise, (85) 499.

Plant—Continued. cultures, nutrient solutions for, (31) 425; (34)	Plant—Continued.
333. cuttings, transportation, (28) 837. development, rôle of reserve material in seeds, (26) 729; (30) 132.	in Dahlem, (34) 727. Delaware, (36) 540; (39) 149. Denmark, (26) 446; (27) 543; (30) 47;
disease— myceliums, staining in host tissue, (39) 217. problems in relation to plant introduction,	(33) 846. Dutch East Indies, (30) 697; (31) 540; (34) 711; (35) 243; (37) 246; (38) 548. Egypt, (30) 746.
(40) 343. survey, (27) 45; (34) 49. disease survey—	England, (32) 544; (36) 541. England and Wales, (35) 649; (40) 648.
in Pennsylvania, (34) 154. South Carolina, (32) 543. Texas, (26) 645.	Fig., (36) 347; (39) 453. Florida, (37) 651. France, (33) 51; (10) 544, 845.
Wisconsin, (28) 844. work, relation of phytopathologists to, (39) 849; (40) 449	Germany, (27) 452, (30) 319; (31) 539; (38) 448. Great Britain, (28) 118. Gromada, (34) 841.
diseases—see also Fungi and different host plants. and animal pests, treatise, (28) 752	Guan, (40) 344 Haw ii, (35) 848 Holland, (36) 847.
enemies in Switzerland, (40) 249. immunity, (40) 344. injuries in Rhine Province, (35) 243. injuries in Selby spicke zone, (35) 244	India, (31) 641; (36) 449; (38) 350, 547. Indiana, (34) 744; (35) 461; (38) 556; (39) 52, 547.
injuries in Selby smoke zone, (35) 244 injuries, tropical, treatise, (32) 340. pests, (39) 444. pests in German colonies, (37) 148.	Indo China, (29) 46. Iowa, (27) 543; (29) 445. Italy, (32) 340; (34) 539; (38) 351; (40) 845.
pests in Mauritius, (32) 46, pests, law in Canada, (26) 51. pests, treatise, (28) 745; (30) 745; (39) 444; (40) 543.	Jamaica, (39) \$19. Java, (30) 717. Keni, (30) 348.
444; (40) 543. as affected by soil solutions, (26) 826. as an economic study, (38) 349. at Salgir Experiment Station, (31) 842.	Kharkov and viemity, (37) 246. Klosterneuburg, (30) 240; (33) 444. Kolazsvár, (30) 240
Dacterial, (26) 844.	Madras, (40) 845. Maryland, (25) 145; (31) 745; (32) 641. Massaclusetts, (36) 145. Matritus, (32) 441; (33) 444; (34) 843;
bacterial, in British Isles, (40) 844, bacterial, notes, (34) 49; (35) 328, bibliography, (26) 445; (27) 543; (28) 155; (30) 147; (34) 348,	Mauritius, (32) 441; (33) 444; (34) 843; (37) 550. Mecklenburg, (31) 343. Michigan, (30) 240; (38) 545.
biochemistry of resistance, (40) 745. classification and terminology, (34) 642. common and scientific names, (37) 838 control, (31) 541; (37) 141; (39) 453.	Minnosota, (35) 148. Missouri, (32) 750
diseases, control in— Baden, (32) 145. Egypt, (30) 348.	Nebraská, (32) 340. New Jersey, (30) 746; (32) 547; (34) 153; (36) 845; (37) 652; (30) 648, 752. New South Wales, (29) 16; (34) 644. New York, (36) 347.
Germany, (28) 736. Great Britain, (31) 243. Japan, (31) 241.	New York, (36) 347. Nigetin, (33) 145. North America, (27) 245.
Malaya, (31) 50. Ontario, (38) 345, 546. Posen and West Prussia, (31) 541.	Ohio, (28) 148. Ohio m 1912, (31) 49.
United States, (38) 256. various countries, (26) 445; (31) 145; (32) 340. We t Virginia, (28) 842.	OnLarto, (32) 18, Philippines, (32) 749; (37) 148, Porto Rico, (35) 748; (37) 246; (38) 147; (30) 52, 248; (40) 844. Proskau, (32) 842.
ases— cooperative control. (36) 540. development in fransportation. (33) 741. dissemination by insects, (35) 253.	Province of Podolsk, (34) 843.
dissemin than by rain, (38) 47. due to antagonistic stocks and sciens, (31) 740.	Pusa, (31) 49; (39) 146. Quebcc, (32) 543. Queensland, (27) 543; (30) 747; (33) 51; (39) 850.
dwarfing, effect on oxidase activity, (40) 451. factors affecting susceptibility to, (29) 844.	Russia, (20) 693; (35) 453, 454, 844; (36) 646. St. Vincent, (37) 652.
field laboratories for control, (26) 51, heredity of, (31) 541, identification, (33) 97	Samon, (31) 347. Saxony, (32) 748. Scothand, (38) 546. Sicily, (35) 45.
immunity to, (32) 426. in Alaska, (33) 646. Argentina, (35) 243. Activition (24) 849	Southern Nigeria. (29) 547: (33) 741.
Asirikhan, (34) 842. Bulbados, (28) 752; (31) 547, 746; (34) 841; (36) 540; (38) 350. Bengal Presidency, (32) 449.	Surinam, (32) 740. Sweden, (33) 846. Switzerland, (37) 47, 246; (38) 350.
Bohemin, (35) 650. Bonn-Poppelsdorf and Geisenheim, (36) 47.	Switzorland, (37) 47, 246; (38) 350. Tasmania, (36) 846; (39) 850. Taurida, (31) 547, 548. Texas, (30) 557. the Tronics, (34) 48.
Brazil, (32) 238. British East Africa, (37) 458. British Guiana, (34) 442; (36) 846; (37)	the Tropics, treatise, (26) 51. Tripldad and Tobago, (34) 50. tropical America, (36) 746.
838; (40) 844. Bulgaria, (26) 446. California, (28) 445; (34) 240. Canada, (33) 741; (38) 545, 546, 646.	Textis, (30) 534; 48. the Tropics, (34) 48. the Tropics, treatise, (26) 51. Trinidad and Tobago, (34) 50. tropical America, (36) 746. Turin, (35) 550. Turkestan, (36) 647. Uganda, (34) 540; (35) 45; (36) 746; (39)
Ceylon, (39) 850. Colorado, (34) 539.	Union of South Africa, (31) 539: (34) 241.
Connecticut, (31) 641; (36) 47. Orimea, (33) 652. Cuba, (35) 348; (38) 557.	United States, (37) 500. Vinginia, (29) 845; (33) 544. Wageningen, (30) 240; (33) 444; (35) 243; (38) 147.

Plant-Continued.	Plant-Continued.
diseases—continued.	food—continued.
in Washington, (33) 98, 698; (38) 47. West Indies, (30) 546; (35) 44; (37) 452.	nitrogenous, availability, (27) 500. production as affected by soil sterilization,
West Virginia, (36) 653.	(29) 122,
Western Australia, (33) 845. Westernalia, (32) 238.	production in soils, (30) 624; (35) 322, 424.
Westphalia, (32) 238. Wisconsin, (33) 344; (35) 844; (36) 845. Winttemberg, (28) 148; (29) 845. inheritance, (27) 751. international control, (30) 537; (31) 49, 342,	ratio, effect on quality of sugar beets, (28) 43.
Wurttemberg, (28) 148; (29) 845.	relation to chlorosis, (28) 623.
international control, (30) 537; (31) 49, 342.	relation to soil fertility, (26) 621, (28) 220. relation to soil protozoa, (30) 517.
088, (34) 442, 340, (38) 349,	removal by corn cron, (35) 623; (37) 232.
introduction into United States, (36) 244. law in Sudan, (27) 54.	requirements of forest soils, (26) 744
legislation concerning, (27) 200; (31) 239.	galls, treatise, (26) 658, (20) 852. genetics, textbook, (40) 817.
legislation concerning, (27) 200; (31) 239. legislation in Canada, (26) 256.	geography, physiological, of Jamaica, (32) 748.
legislation in Ceylon, (30) 146. lessons on, (31) 394.	globulins, preparation, (35) 9. growth—
microbial, notes, (26) 372.	abnormal forms, (34) 143.
monograph, (27) 44.	accessory factors for, (31) 826; (38) 328
mosaic, (38) 48. notes, (26) 452, 746, 844; (27) 45, 53, 349, 445,	and climate, relationship, (30) 16. and distribution, relation to transpiration,
449, 543, 746; (28) 345, 443, 544, 545; (29) 150, 243, 341, 416, 547, 615; (30) 147, 349, 647; (31) 745; (32) 641; (34) 643; (35) 242;	(30) 625.
647: (31) 745: (32) 641: (34) 643: (35) 242:	and soils, treatise, (39) 512. and swelling, relation to temperature, (39)
(36) 47, 448, 746; (38) 298, 646.	731.
physiological, investigations, (33) 740. diseases, relation to—	growth as affected by—
bacteria, (31) 745.	acids, bases, and salts, (20) 26. air movement, (38) 223.
nutrition and weather, (27) 848.	atmospheric pollution, (33) 126.
soil fungi, (40) 318. transportation, (39) 849.	bastard trenching, (20) 236. boron, (29) 219; (34) 428, 625. carbon bisulphid, (33) 323; (35) 20. carbon dioxid, (31) 521; (32) 728.
transportation, (39) 849. weather, (29) 44; (34) 840; (35) 844; (39) 352, 353; (40) 154.	carbon bisulphid, (33) 323; (35) 20.
352, 353; (40) 154. diseases—	carbon dioxid, (31) 521; (32) 728. different substances, (29) 421.
resistance to, (33) 740.	electric light. (89) 230. electricity, (27) 28, 231; (28) 227, 228, 827; (30) 524, 827, 825; (31) 189, 428. fertilizer salts, (29) 329. irigation, (28) 229. light, (29) 227; (33) 128, 826; (34) 223; (35) 129. reserves (26) 729
review of liferature, (26) 51; (27) 148; (28) 345; (29) 445; (30) 47, 240, 648; (31) 145;	electricity, (27) 28, 231; (28) 227, 228, 827;
(39) 148.	fertilizer salts. (29) 329.
sanitation in control, (27) 154.	irrigation, (28) 229.
studies, (26) 53, 142; (31) 840; (34) 743; (35) 544.	light, (28) 227; (33) 128, 826; (34) 223; (35) 129 magnesia, (26) 723.
studies, cooperation in, (36) 540.	manganese, (39) 627.
studies, methods, (35) 844.	manganese and aluminum, (30) 824. nitrogenous soil constituents, (29) 219.
studies, soil temperature as factor, (39) 148. susceptibility to, (37) 215.	nutrient and nonnutrient bases, (30) 128.
texthook (30) 347: (34) 794: (38) 94	organic substances, (37) 632; (39) 526.
transmission by seeds, (36) 644. treatise, (26) 142, 242; (27) 746; (28) 345; (29) 150, 546, 644; (30) 240; (31) 241, 539, 745; (33) 646; (35) 835; (36) 236, 540, 628,	osmotic pressure in nutrient solutions, (35)
(29) 150, 546, 644; (30) 240; (31) 241, 539,	phytin, (28) 128.
745; (33) 646; (35) 835; (36) 236, 540, 628, 645; (40) 47.	radioactive earth, (33) 123.
treatment, (26) 48, 51, 345, 539; (27) 45, 128,	shade, (27) 741; (29) 130; (30) 343.
treatment, (20) 48, 51, 345, 539; (27) 45, 128, 154, 253; (28) 442; (30) 618; (31) 50, 541, 635, 745; (32) 447; (33) 151; (34) 40, 642; (37) 151, 143, 247, 453, 544	radioactive earth, (33) 123. radium, (31) 821; (34) 223. shade, (27) 741; (29) 130; (30) 343. smelter fumes, (28) 623.
51, 143, 247, 453, 544.	smoke, (29) 422. sodium salts, (35) 816.
treatment, development in, (34) 48.	sodium sulphate, (30) 31. soil aeration, (27) 821. soil bacteria, (31) 527.
treatment with hot water, (34) 50. tropical, treatise, (31) 241.	soil hacterns, (31) 827.
ecology—	soil constituents, (28) 417. soluble humates, (30) 431, 721; (31) 516.
and soil science, (36) 523. in agricultural courses, (38) 195.	soluble humates, (30) 431, 721; (31) 516. soot in the sir, (26) 727.
of Salton Sink, (33) 525.	spacing. (30) 633.
efforescences, exidations, and incrustations	stimulants, (35) 434.
under arid conditions, (33) 825. embryos as affected by endosperm of seeds, (29)	Streptothriv, (27) 620. sulphur, (31) 623.
421.	thorium X. (29) 131.
embryos, nutrition and growth, (38) 127.	toxic salts, (31) 325. volatile conifer products, (32) 618.
enemies in Wurttemberg, (28) 148. enzyms, studies, (32) 523; (31) 428, 731; (35) 334.	growth-
exploration in China, (35) 140. extracts, measurement of diastase activity,	at different air pressures, (36) 730. at different elevations, climatic factors, (39)
(33) 315.	809.
fasciated, development, (37) 434.	cause, (29) 420.
flavone derivatives in, (87) 430.	crescograph for, (32) 222. critical periods, (35) 617; (40) 19.
absorption and utilization by sugar beets,	effect on retention of bases by soils, (32) 121
(26) 737.	effect on soils, (28) 520. importance of water in, (26) 128.
as affected by crop rotation, (27) 821.	in absolute darkness, (26) 431. artificial light, (28) 735.
accessories, bacterial test for, (34) 325. as affected by crop rotation, (27) 821. as affected by fertilizers, (29) 623. availability as affected by carbon dioxid,	artificial light, (28) 735.
(27) 514.	calcarcous soils, (31) 816. charcoal, (33) 540.
(27) 514. combinations for crops, (26) 622. determination in soils, (27) 514; (32) 121.	charcoal, (33) 540. distilled water and toxic solutions, (32)
effect on ratio of tops to roots, (31) 628.	627; (34) 825. glycogen solutions, (31) 625.
essential elements of, (26) 725. loss in drainage, (27) 321; (30) 22; (33) 619;	heated soils, (26) \$15; (31) 216; (35) 722. mercury vapor light, (33) \$26.
loss in drainage, (27) 321; (30) 22; (33) 619; (35) 623.	mercury vapor light, (33) 826. partially sterilized soils, (30) 225.
mineral, factors affecting in soils, (26) 814.	water culture, (33) 223, 628; (39) 28.

Plant-Continued.	Plant—Continued.
growth—continued.	metabolism—continued.
inhibition, (37) 324, 632.	buffer processes in, (38) 821. geotropic stimulation of, (26) 326.
internal factors in, (33) 827. measurement, (36) 226; (37) 223.	pentose sugars in. (40) 30.
mechanism and conditions, (36) 524.	pentose sugars in, (40) 30. rôle of nitrogen in, (27) 26.
metabolism, and imhibition, (38) 729.	studies, uitrogen determination in, (10) 600
on ferruginous soils, (26) 245.	micro-chemistry, treatise, (32) 308.
period in Maryland and Delaware, (31) 614.	monstrosities in Buitenzorg, (37) 47. morphology, bibliography, (20) 626. mucilages, studies, (40) 818, 819. names, dictionary of, (38) 125.
periodicity in, (34) 29.	morphology, miniography, (29) 626.
power exerted in, (29) 827.	names, dictionary of, (38) 125.
altitude, (40) 129.	nutrients, availability, (28) 537.
atmospheric pollution, (34) 299.	nutrients, displacement by water, (27) 525.
atmospheric pollution, (34) 299. climate, (26) 429; (33) 116; (36) 809; (37) 15.	nutrition, (26) 530.
nitrogen content of water, (39) 332.	nutrition—
soil acidity, (39) 513.	accessory factors in, (31) 826. and reproduction in, (28) 224; (39) 827.
soil temperature, (20) 19: (40) 130, 426	by means of organic substances, (39) 526.
soil moisture, (26) 420; (32) 813. soil temperature, (29) 19; (40) 130, 426. temperature, (35) 328; (39) 615.	by means of organic substances, (39) 526, physiology of, (34) 326.
terrestrial radiation, (36) 617.	ielation to rocks and soils, (27) 513; (31) 621
growth—	relation to rocks and soils, (27) 513; (31) 621 review of investigations, (33) 512. rôle of chlorin in, (33) 725.
rôle of water in, (28) 420.	role of chlorin in, (33) 723.
seasonal variations, (38) 627. soils, and climate, relationship, (26) 516.	rôle of nitrates in, (26) 625. rôle of soil solutions in, (28) 321.
stimulation. (28) 631'.	silica in. (32) 121.
stimulation, (28) 631. studies, (28) 29; (33) 28, 221; (36) 327.	silica in, (32) 121. studies, (28) 816; (29) 22; (31) 620, 729. sulphur in, (31) 817. theory of, (33) 121.
studies in field experiments, (31) 704.	sulphur in, (31) 817.
studies, meteorological observations in, (31)	theory of, (33) 121.
614.	treatise, (34) 135; (36) 114. oils of Russia, (36) 802.
treatise, (26) 658; (34) 321. under sterile conditions, (32) 49.	organisms, lower, of moor lands, (28) 727.
hairs, inheritance in, (32) 426.	organs—
hairs, relation to nitrogen assimilation, (33) 30.	and tissues, electrical potential in, (30) 630.
histology, treatise, (34) 727.	chemical modifications during autoformen-
histology, treatise, (34) 727. hybridization, bibliography, (27) 239.	tation, (32) 427.
nypridization experiments, notes, (28) 531.	modification due to ecological conditions,
hybrids— behavior of, (36) 521.	(38) 331. partly dried, respiration, (36) 824.
factor transmission in (29) 433	penetration by light rays, (33) 427.
inheritance from both parents, (36) 331.	wound stimulation and closure in, (26) 826.
inheritance of form and structure, (29) 320.	oxidases, distribution, (34) 32.
Mendelian segregation in, (32) 521.	oxidases, review of literature, (33) 426.
factor transmission in, (29) 433. inheritance from both parents, (36) 331. inheritance of form and structure, (29) 320. Mendelian segregation in, (32) 521. spontaneous, diagnosis, (30) 433. sterility in, (29) 320. introduction swedges, (37) 542.	parasites—
sternity in, (20) 320.	adaptive specialization, (33) 740.
introduction, relation to phytogethological	and hosts, relationship, (29) 323; (34) 49. as affected by tollurium, (31) 826.
introduction gardens, (37) 542. introduction, relation to phytopathological problems, (40) 343.	effect on hosts, (37) 549.
Introductions	effect on hosts, (37) 549. in Province of Turin, (32) 145.
at Kew botanic garden, (29) 441. into Arizona, (27) 528; (29) 440. into North and South America, (34) 306.	in seeds, (39) 225. notes, (28) 545; (29) 341.
into Arizona, (27) 528; (29) 440.	notes, (28) 545; (29) 341.
into North and South America, (34) 300.	osmotic pressure of, (32) 221. phancrogamic, osmotic pressure, (40) 130
into the Philippines, (27) 537. juices, oxidas: activity of, (37) 9.	remedies, (27) 128.
tuices, oxidase content, (27) 9.	specialization, (39) 148.
juices, preservation, (38) 507.	treatise, (31) 539. parasitism, (28) 227.
kingdom raw materials. (36) 628; (39) 430.	parasitism, (26) 227.
lice—see also Aphis and specific kinds.	parasitism, physiology, (34) 847; (37) 47, 245. parasitism, studies, (39) 148, 247.
California, host index, (26) 149; (28) 556. effect on pear roots, (37) 661.	parisitism, addres, (a) 14a, 247.
effect on plant cells, (33) 441.	parasitology, treatise, (30) 536. pathologists, war emergency board, (38) 100.
in Hawah. (34) 59.	nathology
in Hawafi, (34) 59. Ohio, (34) 59.	bacteriology in, (39) 247. college work in, (30) 898.
Texas, (38) 859.	college work in, (30) 898.
Texas, (38) 859. West Virginia, (35) 657. injurious to beets, (28) 354.	outline of history, (30) 352.
injurious to cotton, (27) 454.	prophylaxis in, (36) 645. research and extension work, correlation
injurious to orchard and bush fruits, (29)	(39) 849.
158.	society of in France, (34) 840.
jumping, of Hawaii, (40) 262.	textbook, (38) 147. treatise, (34) 40. pectins, studies, (37) 300.
jumping, of New World, (31) 453.	treatise, (34) 40.
jumping, of Now World, (31) 453. notes, (28) 353, 752; (29) 251, 854; (30) 153; (31) 249, 270; (32) 550; (33) 252; (34) 158; (35) 56; (36) 854; (37) 460; (38) 654.	peculas, studies, (37) 300.
(35) 56: (36) 854: (37) 460: (38) 654	peroxidases, action of, (36) 609; (37) 726. pests, importation regulations, (27) 200.
of Indiana, (28) 554. remedies, (29) 356; (31) 155. sucking appropriate (22) 553	phosphatids, studies, (27) 202.
remedies, (29) 356; (31) 155.	physiology—
sucking phenomena, (32) 553. life and evolution, treatise, (26) 528.	and distribution, relation to soil solution
ine and evolution, treatise, (26) 528.	(26) 422.
life relation to redicactivity (20) 513.	at Johns Hopkins University, (38) 525.
life, treatise, (31) 32: (35) 128	bibliography, (29) 626. course in, (30) 695.
life, relation to moteorology, (26) 513. life, relation to radioactivity, (28) 228. life, treatise, (31) 32; (35) 128. liquids, drying, (28) 610. membranes, nonliving, permeability to water,	electrical conductivity in, (33) 626. elementary, experiments (37) 395. for horticulturists, treatise, (37) 220. in agricultural courses, (31) 701. progress in, (29) 408. relation to pruning, (33) 837. review of investigations, (33) 512. rôle of electricity in, (27) 231. studies, (31) 231.
membranes, nonliving, permeability to water,	elementary, experiments (37) 395.
(30) 224.	for horticulturists, treatise, (37) 220.
membranes, permeability, (38) 126.	in agricultural courses, (31) 701.
metabolism, (26) 265, metabolism—	progress in, (29) 408.
as affected by acid and alkaline solutions,	raview of investigations (22) 512
(32) 626.	rôle of electricity in. (27) 231.
as affected by otherization, (26) 127.	studies, (31) 221.

Plant-Continued.	Plantago-
physiology—continued. treatise, (27) 219; (31) 323; (32) 520; (33) 425; (36) 429; (38) 728.	alpina, analyses, (31) 863.
(36) 429; (38) 728	lanceolata, geographical distribution, (26) 335. lanceolata, variation in, (39) 330.
nigments—see also Pigmentation.	psyllium in South Australia, (37) 542.
bibliography, (32) 18. chemistry of, (33) 802.	variegation in, (38) 731.
production, (33) 329; (34) 223.	Plantain—
review of investigations, (34) 33.	bacterial disease, notes, (37) 838. black rot, notes, (36) 48.
transformation (36) 730	culture experiments, (30) 229.
poisons and stimulants, inorganic, investiga-	disease, notes, (33) 545.
tions, (33) 327. poisons, organic, (39) 224; (40) 520.	diseases in India, (38) 351, 547. diseases, notes, (39) 453.
populations in Denmark, studies, (40) 832.	meal, analyses, (40) 173.
production, course of study, (40) 492.	recipes, (30) 165.
products, analyses, (37) 114. products, chemistry of, treatise, (31) 803; (37)	ripe rot, treatment, (37) 154. water, delayed germination in, (31) 824.
801.	wild, fiber from, (30) 38.
products, volatile, relation to sap flow, (27) 133.	Plantains—
propagation, (28) 193, 393; (35) 141, 642, 742. propagation—	as affected by top dressing, (26) 40. fungus disease affecting, (26) 345.
and breeding, textbook, (37) 795.	insects affecting, (40) 453.
and pruning, (30) 236.	treatise, (26) 47.
and breeding, textbook, (37) 795. and pruning, (30) 236. by cutting, (34) 694. in Tropics, (39) 843. lessons on, (31) 394; (32) 898. treatise, (38) 539.	treatise, (26) 47. varieties for Philippines, (29) 839. varieties in Seychelles, (29) 839.
lessons on, (31) 394; (32) 898.	Planting and narvesting dates, (40) 209.
treatise, (38) 539.	Plants—
proteins, nuccipitation, (26) 482.	abnormalities, (36) 734, 837. abscission in, (36) 225.
protoplasm, acidity, (37) 726. protoplasm, relation to environment, (28) 326.	absorption-
protoplasm, relation to environment, (28) 326.	and tolerance in bogs, (26) 821; (28) 733.
Quarantine Act, notes, (27) 845; (29) 342. quarantine in Porto Rico, (33) 441; (40) 844.	and transpiration in, (26) 822. of boron, (39) 429.
quarantine laws of Montana, (31) 648.	dextrose and levulose by, (27) 635. ions by, (33) 521.
residues, humification, (36) 622.	ions by, (33) 521.
residues, influence on nitrogen fixation and	nitrogen by. (29) 732.
nitrate loss in soils, (40) 121. root diseases in West Indies, (26) 245.	nutritive substances by, (27) 826; (28)
roots—see also Roots.	821; (32) 328; (35) 223.
acid excretion, (27) 514. and soil, medium of exchange between, (36)	1018 DY, (33) 221. Ilquids by aerial parts, (35) 331; (36) 328. nitrogen by, (29) 732. nutritive substances by, (27) 826; (28) 821; (32) 325; (35) 223. ultraviolet rays, (39) 733. water in, (28) 822. acclimatization, (30) 328; (40) 523. acclimatization by means of grafting, (35) 444. acids and bases in, relation, (39) 224.
128.	acclimatization, (30) 328; (40) 523.
assimilative power, (27) 514.	acclimatization by means of grafting, (35) 444.
effect on soil structure, (30) 120.	
effect on soils, (33) 216. excretion of, (26) 129. exosmosis from, (34) 826.	acridity in, (34) 731. action of saline solutions on, (36) 224.
exosmosis from, (34) 826.	adaptation in, (26) 347; (37) 431, 725. adjustment to desert habitat, (40) 129.
normal behavior of, (31) 221.	adsorption of nitrogen by, (29) 732.
oxygen requirements, (38) 628. plant food set free by, (33) 325.	adsorption of nitrogen by, (29) 732. alimentary and medicinal, treatise, (34) 533.
Telation to son atmosphere, (or) too.	alpine, change of habitat, (39) 730.
secretion of toxic substances by, (30) 522. secretions, (30) 228.	alpine, change of habitat, (39) 730. alpine, chemical biology, (36) 329. alpine, osmotic values, (39) 223.
rusts, alternate hosts of, (26) 340.	alteration and utilization of solar energy, (39)
smuts, life history and cytology, (26) 341.	631. alterations induced by ovarial treatments, (32)
species, relationships, (36) 221. substances, poisoning of animals by, (26) 86.	429.
\$11cca\$\$i0Ti	ammonia formation in. (28) 328.
and evaporation, (39) 122. and evaporation in southeastern Washing-	ammonia utilization by, (36) 631, 632. ammonium salts utilization by, (27) 634; (29)
ton and Idaho, (32) 626.	133.
evaporation and soil moisture in, (36) 144.	and bacteria, symbiosis between, (36) 632.
in a ravine, (35) 27.	biocolloids, imbibition, (40) 29. external media, exchange between, (32) 625.
in the thorn yeld. (39) 525.	solls, relationship, (28) 37, 718. animals affecting, (29) 547; (30) 349.
in Colorado, (38) 23. in the thorn veld, (39) 525. monograph, (37) 434. notes, (37) 528.	animals affecting, (29) 547; (30) 349.
notes, (37) 526. relation to soil moisture, (37) 418, 725.	antagonistic salt action, (39) 630. anthocyanin formation in, (27) 634; (28) 36; (29)
rôle of light in. (29) 218.	
rôle of light in, (29) 218. studies, (32) 128; (36) 327.	421; (30) 129. anthocyanin in, (33) 824; (37) 633; (39) 224. aquiferous vessels in, (35) 224; (39) 526. aromatic, culture, (33) 643. arsenic content, (28) 526.
under irrigation, (35) 732.	aromatic culture. (33) 643.
tallows of East Indies, (32) 201. tendrils and branch nodes, formation, (38) 822.	arsenic content, (28) 526.
teratology, treatise, (36) 430.	as affected by— acids, (37) 224.
tissues— absorption of acids by, (36) 433.	alkali salts. (28) 527.
conduction in. (39) 121.	alkali salis, (28) 527. aluminum, (34) 525.
detecting sugars in, (39) 27. determination of acidity in, (40) 223.	antimoniacal salts, (33) 30. artificial closing of stomata, (35) 224.
effect on fixation of atmospheric nitrogen,	ashes, (32) 729.
	asphyxiating gas, (37) 153, 253.
freezing point determination, (38) 523.	atmospheric electricity, (30) 430.
(39) 26. freezing point determination, (38) 523. freezing point lowering, (36) 823; (37) 221. killing by low temperature, (32) 42; (35) 234. medium of exchange between, (36) 123. stimulation by Roentgen rays, (30) 729. survival after freezing, (31) 130. trichomes, assimilation of atmospheric nitrogen by. (32) 327.	bacteriotoxins, (28) 732. barium and strontium, (40) 819.
medium of exchange between, (36) 128.	basic compounds, (27) 229. bilateral illumination, (26) 824.
stimulation by Roentgen rays, (30) 729.	bilateral illumination, (26) 824.
survival after freezing, (31) 130. trichomes, assimilation of atmospheric nitrogen	centrifugal force, (35) 431. chemical fumes, (30) 432. chemicals, (30) 343. chlorids, (36) 423.
	chemicals, (30) 343.
yields, relation to soil analyses, (20) 519.	chlorids, (35) 423. chloroform, (28) 429.
yields, variation in, (28) 827.	present and and and

Plants-Continued.	Plants-Continued.
as affected by—continued.	Chineso, in British Isles, (38) 39.
chromium compounds, (28) 730.	chloroform extract, (27) 500.
climatic complexes and other external fac- tors, (33) 221.	chlorophyll formation as affected by magne-
coal tar dust, (28) 129.	sium, (39) 827. chlorophyll formation in, (31) 519, 520.
coal tar dust, (28) 129. coal far vapors, (20) 530.	chondriosomes, (39) 332.
colored light, (20) 526.	classification. (36) 411.
creatinin, (26) 420.	classification, scientific basis, (31) 804. classification, treatise, (29) 216.
distilled water, (31) 730 electricity, (28) 128, 530; (10) 147,	climatic change of habitat, (40) 616.
421, 428, 429.	climatic index, (35) 732; (36) 821.
environment, (26) 392; (33) 126.	climatic injury to, (36) 431. climatic relations, (29) 719.
etnylene, (31) 626.	elimatic relations, (29) 719.
formaldehyde, (26) 731; (29) 827.	climbing, treatise, (34) 741. collecting, (29) 327.
ficezing, (33) 129. gas, (32) 524, 729; (33) 629; (35) 636; (37) 726.	collection and preservation, (31) 394.
727.	colonial, breeding, (28) 736.
graphite, (29) 19. guanidan, (28) 426.	colonial, breeding, (28) 736. colonial, treatise, (38) 437; (36) 142.
high temperatures, (29) 27.	coloration as affected by crossing varieties, (39) 734.
light, (29) 526.	composition as affected by-
light intensity, (39) 225.	irrigation, (25) 229. salt solutions, (39) 630. sodum salts, (29) 419. sol fertility, (36) 622. copper content, (37) 432.
lime and mignesia ratio, (23) 35.	salt solutions, (39) 630.
lithum salts, (28) 526. nugnesium carbonate, (40) 326.	SOUTHINE SAILS, (20) 419.
manganese, (32) 129, (10) 820.	conner content. (37) 432.
mangenese and copper sulprates, (27) 130.	correlation between—
methyl me blue, (28) 825.	homologous parts, (37) 630.
niphthalin, (3)) 523,	somatic characters and fertility, (32) 628.
narcottes, (27) 826. nucleic acid, (26) 814.	creatinin in, (26) 419. cruciterous, club root of, (26) 447.
one-sided fertilizing, (28) 624.	crucife ous, ('ystopus on, (26) 342.
one-sided fertilizing, (28) 624. oxulic compounds, (29) 49.	cryptogamie diseasus, (30) 152.
plant metabolisin products, (33) 825.	cucurbitaceons, fungus disease affecting, (26)
potassium cyanid, (38) 855.	244. cultivated—
radiant energy, (27) 521; (30) 431. radioactivity, (28) 529, 731; (30) 30; (31) 129. radium, (27) 134; (36) 526. salicylic aldehyde, (33) 328.	determination of races, (28) 331.
radium, (27) 134; (36) 526.	fruit and seed setting, (27) 329.
salicylic aldehyde, (33) 328.	of East Indies, treatise, (30) 697. relation to soil salts, (28) 426; (31) 627.
sino of mod (20) 705	relation to soil saits, (28) 426; (31) 627.
snioke, (31) 521; (32) 524, 729; (33) 428, 629; (35) 133.	variety groups of, (26) 43. culture experiments, (26) 237.
(35) 133.	culture in sterile media, (27) 333.
Soil type, (28) 537.	culture indoors, (32) 839.
soft type, (28) 537. soft, (31) 827; (34) 154. stimulants, (27) 27. sulphur, (27) 27. sulphur, (27) 27.	culture, trealise, (28) 235. cumulative influence of starvation in, (27) 636;
sulphur, (27) 27.	(28) 331.
	evanogen formation in. (28) 527.
suppression of endosperm, (29) 629.	cyanogenetic, new, (39) 332. dead, autolysis in, (28) 327.
suppression of endosperm, (29) 629. tar coating, (32) 826. tarred roads, (27) 333, 635; (31) 827. tellurium, (31) 828.	dead sutolysis in, (28) 327.
tellurium, (31) 826.	dead, autolysis of proteins in, (27) 426. deep-rooted, for grass land, (28) 734; (33) 431.
100acco sinoke, (20) 250; (21) 254, 850; (29)	denitrification in, (29) 325.
30.	desert—
ultraviolet rays, (27) 827; (33) 28. uranium and load, (28) 731. various colors, (28) 36. wind, (30) 30, 354.	as emergency feed, (40) 276. concentration of cell sap, (36) 823; (39) 29.
various colors, (28) 36.	cryoscopic determinations on tissue fluids,
wind, (30) 30, 354.	(30) 29.
ash analyses, (27) 623.	deciduous rootlets, (27) 320.
assimilation— as affected by sunlight, (29) 26.	density of cell sap, (32) 34; (36) 327. of Mexico, (31) 132.
experiments, (29) 732.	osmotic pressure in, (33) 628.
in, (30) 332. of humus by, (27) 28.	root habits, (26) 227, 728; (20) 626; (32) 429,
of minus by, (27) 26.	626.
of mineral matter by, (26) 521. assimilatory apparatus, (37) 222. barium in, (30) 502; (36) 202. beach, transpiration in, (27) 522. behavior in unventilated chambers, (40) 326. behavior of exercise the transpiration of the control	root systems, (20) 728; (30) 827; (39) 29. studies, (33) 221.
barium in, (30) 502; (36) 202.	vital statistics, (40) 129.
beach, transpiration in, (27) 522.	water balanco, (26) 530; (27) 29.
behavior of organic substances in (20) 526.	differential septa in, (26) 531.
behavior of organic substances in, (39) 526. betain in localization, (27) 203: (31) 108.	dimorphism of chlorophyll grains in, (27) 427. dioceious, change of sex ratios in, (36) 736.
biology of, treatise, (30) 429.	direct absorption of acid solutions, (39) 525.
betain in localization, (27) 203; (31) 108, biology of treatise, (30) 429. blooming dates, (27) 240; (33) 825, brachysm in, (32) 731, bud sports in, (34) 740.	disease resistance in, (24) 639. distribution, (28) 46; (31) 522; (36) 494; (39) 139.
brid sports in (32) 740	distribution— (28) 46; (31) 522; (30) 494; (39) 139.
	and climatic conditions in United States.
calcium oxalate in, (39) 827.	(28) 212.
calcium oxilate in, (36) 827. calcium utilization by, (37) 631. calcium-magnesium ratios, (39) 630.	and diffusion of nutrients in, (27) 525.
carbohydrate economy. (37) 524.	as affected by climatic gradient, (26) 821.
carbon dioxid assimilation, (35) 633; (39) 225.	as affected by sea water, (27) 527. by ocean currents, (38) 125.
carbon nutrition of, (27) 525; (29) 28; (31) 426.	in glacial hithan hasin (40) 328
carbohydrate economy, (37) 524. carbon dioxid assimilation, (35) 633; (39) 225. carbon nutrition of, (27) 525; (29) 28; (31) 426. carotinoids in, (31) 803; (34) 627. castration of, (31) 44.	of aluminum in, (31) 129.
certificated by Royal Horticultural Society, (31)	fut-soluble A in. (36) 61.
340.	of aluminum in, (31) 129. \$\beta\$-enzyms in, (28) 503. fut-soluble A in, (36) 61. ions in, (29) 323; (30) 30, 31. ordases in, (27) 632; (31) 626.
change of habitat with elevation, (39) 730.	oxidases in, (27) fi32; (31) 626.
chemical differentiation of species, (28) 106. chemistry of, treatise, (80) 310.	on desort mountains, (40) 129. relation to evaporation, (29) 826.
	tourness of a self-reparence /max must

Plants-Continued.	Plants-Continued.
distribution—continued.	growing under control conditions, (36) 524.
studies, (26) 628; (40) 130.	growing under sterile conditions. (26) 32.
temperature coefficients in, (30) 117.	hardening process and developments from frost
domesticated, as affected by sap of wild grafts, (39) 525.	injury, (40) 26. hardiness, relation to sap density, (39) 430.
domesticating and improving, (32) 45.	harmful, of Maryland, (26) 333.
drought resisting powers of, (28) 528.	healthy, bactericidal properties, (33) 740.
dwarf, origin, (34) 335.	heat development of, (31) 323. hedge, of New Zealand, (27) 541.
economic— at Agronomic Experiment Station, Santi-	heliotropism in, (33) 129; (36) 330.
ago de las Vegas, Cuba, (34) 436. Amani testing gardens, (30) 644.	hemagglutinin in, (26) 431.
Amani testing gardens, (30) 644.	hematoid iron compounds in, (35) 634.
Botanic Garden in British Guiana, (34) 40.	herbaceous— breeding experiments, (27) 343; (32) 539.
Horticultural Gardens, Lucknow, (37)	culture experiments, (32) 539; (33) 236; (36)
646.	39.
culture experiments, (28) 147.	culture in Alaska, (29) 743. from China, (35) 450.
culture in England, (27) 537. of Dutch East Indies, treatise, (30) 521.	handbook, (27) 346.
Mexico, (40) 246.	insects affecting, (27) 255.
New Caledonia, manual, (30) 445.	insects affecting, (27) 255. list of seeds, (28) 235. roots of, (36) 223.
Philippines, (30) 145. edible, of New Mexico, (28) 860.	transplanting, (27) 491.
edible, of prickly-pear scrubs, (40) 415.	transplanting, (27) 491. white spot of, (36) 449.
edible, of prickly-pear scrubs, (40) 415. effect on soils, (27) 124.	horticultural, sap studies, (32) 139. house—
electrocultural experiments, (30) 225; (33) 827; (35) 223; (38) 525, 526.	and window, treatise, (34) 238, 836
electroculture, review of literature, (33) 690.	care, (32) 839, culture, (34) 238, 639, handbook, (26) 744, injuries to, (36) 150.
electromotive phenomena in, (26) 227; (28) 731;	culture, (34) 238, 639. handbook (26) 744
(32) 522; (36) 732; (38) 822. enomies of, (32) 796.	injuries to. (36) 150.
evaporation, studies, (39) 631.	propagation and care, (28) 838.
evolution of, (34) 31.	treatise, (35) 450; (37) 346.
exercises with, for rural schools, (34) 292.	propagation and care, (28) 838, treatise, (35) 450; (37) 346, hybrid, sterlity in, (31) 225, hydrocyanic acid in, (28) 36; (31) 520, 826; (39)
experimental hyperplasia in, (31) 326. experimental rooms for, (29) 167.	002.
experiments with, (33) 495.	hydrocyanic acid utilization by, (31) 730.
exploitation, treatise, (40) 524.	hydrogen ion concentration and natural immunity in, (36) 541.
extraction apparatus, (26) 108. feeding power, (33) 519, 626; (36) 626	ice fringes on, (32) 221. identification, (31) 340.
feeding with fertilizers through leaves, (30) 128.	identification, (31) 340.
feeding with mineral matter through leaves, (27)	imbibitional swelling, (35) 822; (39) 731.
324. fertility, problems, (40) 427.	and inheritance in, (40) 523.
fertility, problems, (40) 427. fertilization, self-incompatibilities, (39) 432.	in, (30) 849; (33) 740. to insects, (38) 458.
fiber, see Fiber.	
flavone derivatives in, (36) 329. flowering—	imported, control and disinfection, (27) 656. imports, (28) 128, 237, 629; (27) 329, 528, 637; (28) 332; (29) 524; (30) 730; (31) 327; (32) 628; (33) 827; (34) 336, 527; (35) 29; (37) 819; (38) 629; (39) 226, 333, 632; (40) 327. improvement, (28) 331; (31) 180; (34) 635. improvement in Sweden (27) 437.
as affected by heat and radiation, (26) 429.	1mports, (26) 128, 237, 629; (27) 329, 528, 637; (28) 329; (20) 524; (20) 720; (21) 327; (22) 698;
as affected by insecticides, (36) 733. blooming dates for Iowa, (26) 237. culture in California, (26) 47.	(33) 827; (34) 336, 527; (35) 29; (37) 819; (38)
blooming dates for lows, (26) 237.	629; (39) 226, 333, 632; (40) 327.
manual. (26) 35.	improvement, (28) 331; (31) 130; (34) 635.
manual, (20) 35. notes, (29) 341. organic nutriment, (36) 225.	in Botanic Gardens, Georgetown, British
organic nutriment, (36) 225.	Guiana, (35) 643. in Ganeshkhind Botanical Garden, (35) 643.
for the desert, (31) 132. for the senside, (40) 447.	in Government of Viatka, feeding value and
forcing, (33) 521; (38) 39.	toxicity, (30) 577.
forcing, (33) 521; (88) 39. forcing experiments, (27) 842; (32) 437; (38) 443. forcing with radium, (27) 437; (28) 228, 825; (29)	toxicity, (30) 577. incipient drying in, (27) 29. indigenous to Chile, (38) 336.
131.	induced parasitism in, (26) 433.
free hydrocyanic acid in, (27) 635.	industrial, conservation, (34) 306.
freezing and frost killing, (34) 223. freezing experiments, (27) 523.	infecting with parasitic fungi, (28) 545.
fumigation with hydrocyanic acid gas, (31) 57;	inheritance— from different parts of, (36) 27.
(33) 522.	in, (28) 876; (30) 328, 329, 330, 331, 732; (36)
function of manganese in, (27) 129. fungus diseases affecting, (26) 445, 551.	521. of characters acquired in salt water, (35) 228
garden, cryptogamic diseases, (39) 152.	dispose resistance in (38) 845
genotypical factors, mutual influence, (36) 434. geotropic movement and autotropism, (39) 629.	germinal peculiarities, (40) 131.
geotropic stimulation and response in, (30) 429.	noarmess in, (28) 228.
geotropism and phototropism in absence of oxy-	germinal peculiarities, (40) 131. hoariness in, (28) 228. semisterility in, (32) 725. injection experiments, (39) 121. injection experiments, (39) 121.
gen, (39) 826.	injury by other plants, (38) 221.
glucosid formation by, (36) 329. grafting and propagating, (20) 442.	insect-catching, in southern Georgia, (37) 560, insects affecting (30) 752
grass-like, of New Mexico, (27) 431.	insects affecting, treatise, (30) 745.
green aquatic, precipitation of iron by, (26) 326.	insects affecting, (30) 752. insects affecting, treatise, (30) 745. inspection service in France, (26) 256.
green, carbohydrate content, (35) 131. green, nutrition by organic substances, (36) 432.	intumescences on, (39) 353, 355. inulin in, (39) 524. irritability in, (29) 421; (32) 222; (33) 29. irritability in, treatise, (30) 429. lactiferous tubers and cells of, (32) 130.
greenhouse—	irritability in, (29) 421; (32) 222; (33) 29.
as affected by illuminating gas. (27) 332.	irritability in, treatise, (30) 429.
furnigation, (36) 842; (38) 258. insects affecting, (27) 356; (28) 853. root knot of, (30) 349.	leaf dimorphism in, (26) 128.
root knot of. (30) 349.	leaf injury in relation to cold, (37) 224.
growing in sand cultures. (36) 31.	leguminous, see Leguminous plants.

52831—26†——29

Plants-Continued.	Plants-Continued.
light relations, photometer for study of, (39)	ornamental—continued.
524; (40) 521. light requirements, (27) 221.	for school grounds, (28) 694. unfavorable city conditions, (33) 442.
ligneous, of Eritrea, (26) 643.	growth in partially sterilized soils, (26)
lower, protein synthesis in, (27) 226. manganese in, (27) 830; (29) 28.	815. heredity in, (28) 740.
marine, tolerance to fresh water, (37) 431.	insects affecting, (30) 240; (34) 651.
maturation in, (35) 131.	manuring, (30) 145.
measurements of root systems, (28) 228. medicinal, <i>see</i> Drug plants.	native to United States, (31) 535. nematodes affecting, (31) 249.
Mendelian characters in, (28) 370, 531.	new insect enormes, (40) 753.
methods of sugar analysis, (40) 30. mineral nutrition, (28) 124, 127; (31) 221.	of central Europe, handbook, (30) 742. of Missouri, (28) 439.
monocotyledonous, embryology, (37) 127.	of New Mexico, (29) 842.
monoecious, evolution, (34) 225.	Siberian, (39) 241. sports of, (31) 639.
morphological and physiological characters, correlation, (36) 221.	tests, Alaska, (36) 413; (37) 142. treatise, (37) 115, 746.
mosaic diseases, (38) 48.	treatise, (37) 115, 746. varietics, (27) 438; (30) 441; (32) 337; (34)
mutilated, regeneration, (38) 129. mutual stimulation through roots, (30) 522.	231.
mycotrophic, nutrition physiology of, (28) 430.	varieties for Illinois, (28) 437.
myrtaceous, possibilities of, (35) 141. narcosis in, (27) 130.	variety tests, (40) 444. wild species, (39) 846. oxidase activity, (37) 326, 429, 430. oxidases in, (35) 130.
natural selection in, (28) 430. nematodes affecting, (26) 748; (28) 242; (36) 150.	oxidase activity, (37) 326, 429, 430.
nematodes affecting, (20) 748; (28) 242; (30) 150.	oxidiation and reduction in, (38) 223.
new, at Kew, (34) 40. new, notes, (27) 438.	oxidation ferments of, (33) 409. oxidative changes in, (34) 731.
new or noteworthy, from Colombia and Central America, (34) 827.	
new or noteworthy, tests, (37) 143.	and saprophytic, nitrogen content, (27) 526. arsenic content, (27) 830. effect oi hosts, (28) 548. parthenogenesis in, (30) 329, (34) 727.
new or noteworthy, tests, (37) 143. nitric salts in localization, (30) 30. nitrifaction in (24) 627	arsenic content, (27) 830.
nitrification in, (34) 627. nitrogen—	parthenogenesis in, (30) 329; (34) 727.
assimilation by, (26) 32, 617; (28) 35; (31)	Decim substances in, (40) out.
atmospheric, assimilation by, (35) 435.	pentosans in, studies, (27) 427. pentose sugars in, (39) 224.
formation by, (29) 133. nutrition in, (29) 628.	percuniai—
percentage requirement, (40) 425.	branch development in, (32) 128, for southeastern Alaska, (33) 638.
permutite assimilation by, (29) 127, 517.	senile changes in leaves of, (32) 728.
source for, (26) 723. nitrous acid in sap of, (28) 429.	periodicity in, (27) 522; (28) 435; (35) 632; (39) 317.
nonlegume, symbiosis with nodule bacteria,	periodicity of specific characters, (30) 224.
(87) 819.	permeability in, see Permeability.
notebook for study of, (35) 896. nuclear chimeras, (39) 226.	Philippine, propagation by cuttings and layerage, (34) 436.
Dilitiant solutions for (36) 31: (39) 331: (40) 590	phosphate nutrition of, (26) 622.
nutritive exchanges in, (33) 425. odorous principles, (40) 710. of British Guiana, (40) 542. Colombia and Central America, (39) 433.	photosynthesis in, see Photosynthesis. phototropic and geotropic reactions in, (35) 632.
of British Guiana, (40) 542.	phototropic and geotropic reactions in, (35) 632. phototropism, (39) 223, 826.
Connecticut Valley, Mass., handbook, (29)	phylogenetic relationships, (33) 822. physics of, (36) 107.
216.	physiological characters of, (33) 629, physiological functions, relation to weather
Dade County, Florida, (31) 239. District of Columbia, (40) 160,	factors, (39) 809.
lower Calliornia, (34) 827.	physiology of heredity in, (34) 822.
New Zealand, ecology, (27) 733. New Zealand for North American gardens,	plasmolytic phenomena, (39) 528. poisoning by certain elements, (38) 628.
(33) 842.	poisonous see also Cattle, Livestock and For-
Northern Nigeria, Hausa names, (38) 525, sand dunes of Coos Bay, Oregon, (31) 744.	age poisoning, and specific plants. destruction, (26) 333.
oil, culture and utilization, (33) 438. oil producing, methods of variety testing, (26)	feeding experiments with, (33) 384.
oil producing, methods of variety testing, (26) 436.	in Western Australia, (33) 846.
oil production in. (33) 629.	manual and bibliography, (26) 327. notes, (20) 56; (35) 383; (38) 646; (39) 85, 433, 801, 892; (10) 182, 300. of California, (32) 778. Colorado, (34) 576.
on saline soils, (40) 424. origin and rôle of oxalate of lime in, (27) 133.	433, 801, 892; (10) 182, 300.
origin of assimilated carbon in, (27) 227.	Colorado, (34) 576.
ornamental—	10110, (80) 202.
bud variation, (37) 546.	Kentucky, (32) 337. Union of South Africa. (34) 241.
breeding experiments, (27) 741. bud variation, (37) 546. crown rot of, (35) 754. culture, (32) 839; (36) 535.	Union of South Africa, (34) 241. on runges, (32) 474; (35) 781; (39) 184, 386, 587, 787, 788, 886.
culture experiments, (27) 438; (28) 827; (30)	to livestock in Great Britain, (37) 688.
441; (31) 340; (32) 337, 540; (34) 231; (36)	pollen sterility in. (35) 731.
culture experiments, (22) 438; (28) 827; (30) 441; (31) 340; (32) 337, 540; (34) 231; (36) 137, 241; (37) 241; (38) 444; (39) 139, 444, 843; (40) 741.	pollination, see Pollination, polyembryony, (39) 527.
culture in Arizona, (32) 232. culture in bogs, (38) 447.	polyembryony, (39) 527, potassium in localization and function, (28)
culture in Dogs, (38) 447. culture in Mexico. (34) 741.	823.
culture in Mexico, (34) 741. descriptive notes, (34) 536. diseases, (20) 242; (30) 240; (32) 344; (36) 541; (38) 252; (40) 645.	potted, Sciara maggets on, (36) 460. precipitin reaction of, (31) 733.
01seases, (29) 242; (30) 240; (32) 344; (36) 541; (38) 252; (40) 645.	preparation and mounting, (34) 94.
ian v. spring pianting, (20) 250.	production capacity, inheritance of, (33) 822, protection against freezing, (27) 333, 524; (28)
IOF FIORICE, (34) 585.	330, 630; (31) 34.
home planting, (34) 741; (39) 450. latitude of St. Louis, (34) 439.	protection against termites, (27) 454. protection, instruction in, (30) 395.
Maine, (35) 840. Nebraska, (40) 340.	protective contents of, (26) 629.

Plants-Continued.	Planta Continued
protein formation in, (31) 224.	Plants—Continued. succulent—continued.
rarer elements in, (38) 409.	chemistry of, (40) 710.
ratio of tops to roots in, (31) 628. regeneration, law of, (40) 224.	desiccation and respiration, (40) 29, 223.
nerative processes in, (27) 829.	desiccation and starvation experiments, (34) 430.
relation—	gas interchange, (40) 29.
between phyllotaxis and stem growth in (30) 725.	rate and course of growth, (40) 30.
between structure and physiological char-	water balance, (26) 227. sugar formation in absence of oxygen, (39) 732.
acters, (31) 32.	sugar translocation in. (38) 224.
to humus, (30) 122.	sugar translocation in, (38) 224. sugar utilization, (36) 125; (39) 224.
nutritive elements of soil, (27) 721. reaction of nutrient solution, (40) 324.	susceptibility to smoke, (31) 628.
salt spots, (29) 422.	susceptibility to smoke, (31) 628. swelling in, as affected by bog and swamp waters, (40) 520.
soils, (29) 212; (31) 617, 791.	SVm piosis in. (29) 323.
resistance to— cold, (30) 333; (32) 139; (39) 525.	symbiosis with bacteria, (26) 545.
hot water, (34) 843.	synthetic processes in, (28) 127; (35) 431. temperature of different parts, (28) 126; (30) 30.
injurious influences, (35) 636.	tolerance toward—
insect attack, (29) 653. wilting, (39) 731.	acidity, (39) 122.
respiration, see Respiration.	sodium saits, (29) 625; (40) 221. toxic inorganic salts, (30) 130.
response to—	toxic excreta, (27) 30.
light, (40) 519. selective screening, (39) 825.	toxins in, formation, (31) 627.
stimuli. (32) 222.	transmission of acquired characters in, (28) 581. transpiration, see Transpiration.
rest period in, (28) 639; (33) 223, 520; (35) 221; (36) 224; (38) 640; (40) 511. rest period in, shortening, (27) 220, 221; (28) 427,	transplanting, (32) 494. transplanting lath for, (37) 836.
(36) 224; (38) 640; (40) 511.	transplanting lath for, (37) 836.
435; (35) 436.	treatise, (27) 821; (29) 420. tropical-
resting portions, life processes in, (30) 725.	and bacteria, symbiosis, (28) 35.
reversible removal of salts and bases from, (36)	and subtropical, treatise, (31) 235.
224. rôle of—	bark beetles affecting, (30) 660. culture, (32) 45.
calcium and strontium in. (30) 523.	culture experiments, (28) 142.
catalose in, (27) 526.	culture experiments, (28) 142. guide, (28) 435, 820.
hydrocyanic acid in, (28) 128. magnesia in, (27) 332.	insects affecting, (32) 340.
respiration pigments in. (27) 426, 632.	rusts affecting, (28) 645.
respiration pigments in, (27) 426, 632. water in, (27) 531.	treatise, (33) 221.
root cuttings, chimeras, and sports, (37) 434. root systems of, (31) 514, 733, 830; (33) 526. rye stalk disease affecting, (26) 546.	insects affecting, (32) 340. periodicity in, (28) 39. rusts affecting, (28) 646. treatise, (33) 221. tumors in, (36) 46. twining of, (35) 431. types of segregation in, (39) 123
rve stalk disease affecting. (26) 546.	types of segregation in. (39) 123.
sait water, heredity in, (36) 27.	types of segregation in, (39) 123. urease in, (27) 633.
	useiui, textbook, (33) 96.
sap extraction from by pressure, (39) 224: seashore, as affected by water supply, (37) 27. seed, of Vermont, (33) 330. seedling, tin cans v. pots for, (29) 236. self-protection against Ouscuta, (35) 460.	utilization of— fertilizers and soil nutrients by, (32) 747.
seed, of Vermont, (33) 330.	insoluble phosphates by, (26) 321; (28) 526.
seedling, tin cans v. pots for, (29) 236.	nitrates by, (35) 28.
self-sterile, behavior in intercrosses, (37) 820.	solar energy by. (31) 221.
self-sterile, self-fertility in, (38) 226.	sulphur by, (34) 331.
self-sterile, behavior in intercrosses, (37) 820. self-sterile, self-fertility in, (38) 226. self-sterility in, (38) 426, 823. senile changes in, (35) 222.	insoluble phosphates by, (26) 321; (28) 526. nitrates by, (35) 28. phosphates by, (31) 823. solar energy by, (31) 221. sulphur by, (34) 331. variegated, anatomy of, (33) 724. varieties, grouping, (28) 639. velocity of transmission of excitation in, (34) 29. water-
	velocity of transmission of excitation in. (34) 29
sex cycle, (38) 525.	water-
sox development in relation to national, (34)	absorbing power, (39) 731.
824. sex evolution in, treatise, (32) 725.	absorption and evaporation, (40) 27.
sex reproduction in, (34) 526.	culture experiments, (36) 731. culture, new method, (33) 628.
shipping to America, (32) 833.	gas exchange in, (35) 431. nitrogen fixation by, (38) 419. relations, (30) 223; (32) 429. relations, blocolloid exhibiting, (40) 28.
shortening vegetative period of, (30) 725. smoke injured, microscopic analysis, (26) 532.	nitrogen nxation by, (38) 419, relations (30) 223 (32) 429
smoke injury to, (34) 744; (37) 130.	relations, biocolloid exhibiting, (40) 28.
sodium requirements, (28) 730.	relations, representation, (28) 37.
solution culture experiments, technique, (40) 817.	requirements, (29) 825; (31) 327, 729; (32)
spore-bearing, hybridization in, (31) 823.	transfer in, (36) 29.
starch formation and plastids in, (28) 524. starch formation in, (34) 627.	transpiration in, (27) 223; (32) 426.
Starch formation in, (34) 527.	watering experiments, (37) 325. wild economic, of South Kamerun, (30) 239.
starch-yielding, (40) 339. statolith apparatus in, (36) 729.	wild, in cookery, (35) 859.
statolith apparatus in, (36) 729. stem constrictions of, (31) 343.	wild, in cookery, (35) 859. wild, use as food, (33) 461. wild, use as food by Indians, (35) 470.
sterile, producing viable seed from, (28) 837. sterility and inconceptibility, (39) 632.	wild, use as food by Indians, (35) 470. wilting, (34) 728; (36) 320; (40) 427.
sterilization, (29) 408.	wilting
stimulation—	and incipient drying, (38) 522. coefficients, (26) 628; (27) 223; (28) 823.
by electricity, (28) 326, 529. by poisonous substances, (27) 131.	coefficients, (26) 628; (27) 223; (28) 825. drying, and returgescence, (34) 825.
in, (36) 525.	points. (35) 21.
treatise, (27) 331.	studies, (27) 515; (29) 523; (31) 522, 725.
with nonessential elements, (39) 730.	winter botany, (39) 628.
stomatal movement in, (26) 627. structure terminology, (29) 665.	winter characters, (39) 628. woodland, emergence of aerial organs, (37) 525.
submerged land, photosynthesis in, (32) 329.	woody-
succulent—	anatomy, (37) 821.
as affected by light, (26) 430. automatic movements in, (35) 27.	annual growth of, (35) 841. bibliography, (26) 240; (34) 435; (39) 245
behavior under desiccation, (36) 327.	cambial activity, (37) 127.

Plants—Continued.	Platygasterinae, life history and key, (38) 565.
woody—continued.	Platymesopus erausquini n.sp., description, (31)
food reserve in, (40) 425. forcing, (28) 837; (30) 642; (36) 431. of German East Africa, (29) 643.	355.
forcing, (28) 837; (30) 642; (36) 431.	Platymetopius spp., notes, (27) 859.
of German East Africa, (29) 643.	Platynota rostrana, notes, (27) 150; (28) 451.
Kentucky, (29) 41.	Platyomus lividigaster—
Kentucky, (29) 41. Oahu lowlands, (34) 315. Pikes peak region, (26) 140.	life history, (29) 253.
Switzerland, (35) 842	notes, (27) 656.
Switzerland, (35) 812. periodicity in, (29) 142. phloem and burk diseases of, (34) 442.	Platypedia arcolata on olive, (38) 157.
phloem and bark diseases of. (34) 442.	Platypeza of Virginia, (34) 857.
pocket guide, (37) 746.	Platybouldne, key, (39) 65.
recovery from hail wounds, (29) 131.	Platypsylla castoris, parasitism, (31) 60.
reserve fat in, (35) 225.	Platypsylla castoris, massitism, (31) 60. Platypus sp., notes, (32) 552. Playgrounds, development and care, (30) 615.
rest period in, (32) 437; (33) 223.	Playgrounds, development and care, (30) 615.
root growth of cuttings, (39) 826. wound parasitism and predisposition in, (35)	Plectodiscella—
347.	piri n.g. and n.sp., description, (33) 649. piri, notes, (33) 350.
wounded, heat evolution by, (27) 830.	veneta, life history and treatment, (38) 853.
wounded, infection, (30) 243.	veneta n.sp., description, (38) 252.
zymaso formation in, (39) 733.	veneta, treatment, (39) 457.
Plasma—	Plectrodera scalator, see Cottonwood borer.
membrane as affected by anesthetics, (26) 823. membrane in plants, (38) 523.	Pleetrothrips n.sp., from Jamaica, (36) 550.
Plasmas—	Pleiosperimum n.g. and n.spp., descriptions, (36) 433.
collocation within the cell, (39) 574.	Plenodomus -
living, coalescence of, (30) 224.	destruens-
Plasmodia, photomicrographs of, (29) 478.	distribution and prevalence, (33) 743.
Plasmodiophora brassicae, see Cabbage clubroot.	n.sp., description, (30) 351.
Plasmodiophoraceae, studics, (27) 46; (31) 145. Plasmodium spp., cultivation in vitro, (28) 179.	studies, (39) 851; (40) 317.
Plasmolysis—	fuseomaculans— growth and pyenidium formation, (34) 647.
false, in cel grass, (20) 134.	n.comb., notes, (38) 453.
false, in young cells, (30) 130.	studies, (35) 653; (36) 746.
false, in young cells, (30) 130. in plant cells, (29) 627.	sp. on apples, (34) 744.
Studies, (27) 829.	Pleosphaerulina on alfulfa, (33) 848; (36) 450.
Plasmopara— cubensis, notes, (29) 243; (33) 146.	Pleospora—
nivea, notes, (30) 210, 746.	batumensis n.sp., description, (27) 546. disrupta, notes, (31) 539.
viticola—	eriobotryae n.sp., description, (31) 746.
development and treatment, (26) 550.	herbarum, notes, (29) 245.
germination of winter spores, (29) 350; (37)	lespedezae n.sp., description, (31) 242.
252.	lespedozae n.sp., description, (34) 242. n.sp., notes, (28) 52. sp., affecting Lolium, (20) 545.
infection of grape leaves by. (26) 550.	sp., injurious to figs., (26) 449.
incubation period, (29) 350. infection of grape leaves by, (26) 550. notes, (27, 750; (36) 347; (37) 550; (38) 651; (39) 56, 356, 357; (40) 53. relation to temperature, (27) 49. spore germination and infection with, (28) 749.	trichostoma, treatment, (32) 145, 341.
(39) 56, 356, 357; (40) 53.	Plesiocoris rugicollis—
relation to temperature, (27) 49.	notes, (32) 849.
740.	notes, (32) 849. remedies, (38) 58. studies, (40) 60.
studies. (26) 450, 851; (28) 54, 55, 244, 448;	Studies, (40) 60.
studies, (26) 450, 851; (28) 54, 55, 244, 448; (29) 155, 249; (30) 452; (31) 346; (33) 55, 248, 545; (34) 246, 352, 544; (35) 646.	Plesiothrips, crection, (34) 356. Plesispa reichei, notes, (40) 260.
248, 545; (34) 246, 352, 544; (35) 646.	Pleural fluids, detection of tubercle bacilli in, (28)
treatment, (27) 151; (28) 850; (20) 50; (31) 843; (34) 748, 842.	377.
Plasmophaga antennalis, notes, (26) 148.	Pleurisy, exudative, in horses, treatment, (30) 385.
Plaster cast of diseased fruits, (31) 748.	Pleurisy, treatment, (26) 484; (27) 576.
Plastering, exterior, specifications, (31) 387.	Pleuritis, autoscrotherapy in, (31) 179. Pleuropneumonia—see also Induenza, equine.
Plastids—	contagious—
constitution of, (31) 427.	in bovines, (26) 286; (30) 685.
evolution and physiological rôle, (32) 524. formation in plants, (28) 524.	hovines, diagnosis, (31) 584.
mitochoudrial origin, (40) 818.	bovines, review of literature, (31) 177.
plant, rôle in cell protoplasm, (36) 730.	cuttle, ultramicroscopic hodies in, (29)
Plat experiments—	587. etiology, (27) 184.
calculating yields, (36) 827.	oxudative, in goats, (39) 891; (40) 888.
elimination of error in, (34) 735; (38) 229; (39) 829.	immunization, (31) 883.
error in, (28) 536, 537. field technique, (40) 226, 623.	in goats, (31) 286.
harvesting device, (38) 228.	in horses, treatment, (26) 684.
field technique, (40) 226, 623. harvesting device, (38) 228. standardization, (39) 828; (40) 823.	notes, (26) 173. virus, effect on calves, (27) 785.
technique. (38) 429.	Pleurotropis -
Plathelminths, review of studies, (31) 154. Plathypena scabra on alfalfa, (39) 865. Platinic chlorid, potassium, rapid reduction, (40)	atamiensis, notes, (26) 63.
Platinic chlorid, potassium, rapid reduction, (40)	epigonus in United States, (35) 760.
711.	n.sp., description, (36) 557.
Platinum—	rugosithorax n.sp., description, (30) 59.
chlorids, effect on starch ferments, (27) 109.	telenomi n.sp., description, (26) 352. testaceipes n.sp., description, (32) 557.
metallic, effect on Aspergillus niger, (30) 824.	utahensis n.sp., description, (30) 661.
recovery from potash determination, (40) 806. Russia's production of, (40) 12.	Pleurotus—
scrap, conversion into chloroplatinic acid, (34)	nidiformis, description, (35) 755.
804.	ostreatus, fruiting forms, (32) 341.
Plats, experimental—	spp., studies, (28) 852.
shape and size of, (31) 131.	ulmarius, description, (30) 151.
size of, (31) 333, 733. Platychirus—	Plocaederus ruficornis, notes, (29) 457. Plodia intorpunctella, see Indian meal moth.
albimanus, parasites of, (31) 62.	Plorabunda oculota, studies. (29) 355.
perpallidus, life history, (38) 362.	Plorabunda oculata, studies, (29) 355. Plover, Pacific, migration, (27) 355. Plover, upland, notes, (27) 355.
Platydema sp., remedies, (27) 258.	Flover, upland, notes, (27) 355.

SUBJECT INDEX

Plow—	Plum-Continued.
hottom, studies, (38) 791.	black knot-continued.
ditching, construction and cost, (27) 90.	notes, (37) 555; (40) 53.
mold board, theory of, (32) 281.	notes and treatment, (29) 155.
Plowing—	studies, (32) 52.
and disking experiments, (39) 336.	black spot, notes, (40) 638. blotch, notes, (39) 857.
animal w machanical nower for, (29) 185.	borer, studies, (33) 454.
by electricity in Italy, (31) 591. by steam in Bombay Presidency, (29) 592.	brown bark snot on. (39) 251.
by steam in Bombay Presidency, (29) 592.	brown bark spot on, (39) 251. brown rot, notes, (34) 241; (35) 351; (37) 457;
compension in Kent, (32) 100.	(39) 452.
cost of, (32) 688,	brown rot, studies, (31) 749.
deep, in the Great Plains, (39) 512.	buds resistance to frost. (30) 839.
deep, notes, (31) 131.	butter, Servian, composition and character-
deep v. ordinary, (34) 124.	1Stics, (31) 66.
depths, comparison, (38) 229. depths, effect on soil moisture, (40) 430.	Coccomyces disease, Wild hosts, (39) 457.
depths, enect on son moratare, (10) 1001	curculio—
denths, tests, (40) 32, 624,	1116 filstory, (33) 109.
depths for wheat, (39) 840. depths, tests, (40) 32, 624. effect on soil bacteria, (29) 221.	life history, (33) 159. notes, (26) 753, 759; (27) 53, 755; (28) 752; (29) 353; (33) 252, 652. remedies, (26) 860; (28) 57; (30) 355; (33)
effect on soil moisture, (29) 211.	707 dies (26) 880 (28) 57 (30) 355; (33)
enect on soll moiscure, (29) 211. electric, (39) 88. experiments, (27) 638; (30) 190; (31) 785; (32) 36; (35) 785; (36) 288, 389; (37) 227; (40) 773. experiments in Australia, (28) 486, 685.	remedies, (26) 860; (28) 57; (30) 355; (33) 59; (37) 262.
experiments, (27) 638; (30) 190; (31) 785; (32)	studies, (27) 863.
336; (35) 735; (36) 288, 389; (37) 227; (40) 773.	die-back or winterkilling, notes, (30) 537; (37)
experiments in Australia, (28) 486, 685.	246.
mechanical, notes, (26) 893. mechanical power for, (28) 892. spring v. fall, for moisture conservation, (32) 525.	diseases— in France, (33) 54. notes, (26) 55, 844; (27) 349; (33) 349, 741; (36) 751; (38) 50; (40) 749, 844, 845. studies, (28) 240; (30) 451; (33) 544. fire blight, notes, (29) 848. flowers, polymorphism in, (28) 540. foliage studies, (26) 407.
mechanical power for, (20) 692.	notes, (26) 55, 844; (27) 349; (33) 349, 741;
spring V. Isii, for moisture conservation, (an) cast	(36) 751; (38) 50; (40) 749, 841, 845.
treater and disking (40) 733	studies, (28) 240; (30) 451; (33) 544.
technical instruction in, (30) 299. tractor and disking, (40) 733. tractor, cost of, (39) 591.	nre blight, notes, (29) 848.
	nowers, polymorphism in, (28) 040.
windless and cable system. (31) 487.	foliage, studies, (26) 407. fruit gumming, notes, (40) 249, 251.
windlass and cable system, (31) 487. windlass and rope method, (39) 88.	iom Corrier englyses (26) 261
with power, (31) 187.	jam, Servian, analyses, (26) 261. juice, osmotic pressure, (28) 262.
Plowrightia—	kernele hydrocyanic acid content. (28) 477.
morbosa—	lesf gall control. (40) 459.
as affected by cold. (34) 538.	leaf gall mite, remedies, (39) 252.
notes, (26) 853; (30) 542, 651, 750; (38) 853;	leaf miner, European, notes, (26) 558.
morbosa— as affected by cold, (34) 538. notes, (26) 853; (30) 542, 651, 750; (38) 853; (40) 53	juice, osmotic pressure, (28) 262. kernels, hydrocysnic acid content, (28) 477. leaf gall, control, (40) 459. leaf gall mite, remedies, (39) 252. leaf miner, European, notes, (20) 558. leaf miner, studies, (20) 557. leaf spot or shot, hole disease, notes, (32) 49.
Studies, (52) 52.	leaf spot or shot hole disease, notes, (32) 49.
ribesia, notes, (37) 251.	160f STATE STITUTES, (3D) 149; (31) (30, (33) 500;
virgultorum, notes, (32) 646.	
Plows-	nematode root disease, notes, (28) 235 oil, composition, (38) 803. pocket, control, (39) 252. pocket, studies, (40) 452.
and harrows, care and repair, (39) 292. construction and operation, (29) 292.	011, composition, (30) 803.
construction and operation, (29) 292.	pocket, control, (09) 202.
development and utilization, (35) 391.	pocket, studies, (40) 402.
draft of, (28) 85, 199, 891; (82) 86, 687; (34) 120;	rot treetment (27) 143.
construction and operation, (28) 252. development and utilization, (35) 391. draft of, (28) 85, 199, 891; (32) 86, 687; (34) 125; (39) 88.	pocket, treatment, (30) 849; (40) 449. rot, treatment, (27) 143. rust, life history, (27) 48.
ATTALL LESES, (AD) ADV.	rust, notes, (39) 850.
effect of hitch on draft, (27) 689. electric, description, (27) 588.	rust, notes, (39) 550. scale, notes and remedies, (27) 455. seed oil, composition, (37) 410. silver leaf, notes, (26) 449, 749; (29) 845; (35) 650; (36) 541; (40) 844. silver leaf, studies, (34) 648. slug caterpillar, notes, (36) 654. slug, studies, (26) 152. stiemnose, studies, (33) 349.
	seed oil, composition, (37) 410.
and a gara development. (27) 90.	silver leaf, notes, (26) 449, 749; (29) 845; (35)
engine gang, development, (27) 90. for tractor use, (35) 294, 391. httches for, (28) 891. moldboard, draft of, (35) 494.	650; (36) 541; (40) 844.
hitches for. (28) 891.	silver leaf, studies, (34) 648.
moldboard, draft of, (35) 494.	slug caterpillar, notes, (36) 654.
	slug, studies, (26) 152.
ealculating work of, (31) 291.	stigmonose, studies, (33) 349.
description, (28) 84, 685; (30) 590.	stigmonose, studies, (35) 348. stones, histological characteristics, (27) 112. stones, hydrocyanic acid content, (27) 11.
description, (28) 84, 685; (30) 590. descriptions and tests, (27) 90.	tree trunks, introduction of solutions into, (36)
hitches and adjustments, (38) 88.	740.
in Germany, (27) 689.	twigs, composition, (26) 407.
management, (35) 494.	wilt, studies, (34) 747; (36) 51.
notes, (27) 191, 791, 792.	wine, preparation, (27) 412.
descriptions and tests, (27) 90. hitches and adjustments, (38) 88. in Germany, (27) 689. management, (38) 484. notes, (27) 191, 791, 792. tests, (27) 690; (29) 86, 185; (30) 388, 789; (31) 487; (32) 188, 189, 281, 789; (33) 190, 589 (34) 686, 788, 891; (35) 87, 585, 688; (36) 189, 588, 580; (37) 591. use in Uruguay, (29) 87.	740. twigs, composition, (26) 407. wilt, studies, (34) 747; (36) 51. wine, proparation, (27) 412. wither tip, studies, (40) 850. yellow leaf, description and treatment, (30) 848.
487; (32) 188, 189, 281, 789; (33) 180, 000	yellow leaf, description and freatment, (30) 343
(34) 080, 783, 691, (60) 61, 060, 060, (60) 160	yellow leaf, investigations, (33) 347.
000, 000; (37) 091.	Plumage patterns in fowls, (33) 75.
use in Uruguay, (29) 87. power, driving wheel for, (27) 485. power for, treaties, (26) 89. specifications, (37) 886. specifications, (37) 886.	
power for treatise (26) 89.	Plumbago scandens, notes, (29) 441. Plumber's blowlamp, use against weeds, (32) 139.
specifications, (37) 886.	
steam, dynamometer for, (30) 389.	Plumbing—
steam, dynamometer for, (30) 389. tests, (29) 390; (33) 291, 391.	fixtures water testing for, (31) 190.
tractor-orawn, notes, (a)) 100.	country practice in, treatise, (33) 590. fixtures, water testing for, (31) 100. for country homes, (27) 389; (30) 690; (32) 87
Wooden v. iron for rice culture, (28) 591.	(34) 286.
Plowsole in citrus groves, (40) 417.	for form kitchens, (36) 390.
Plum-	household, notes, (30) 893. recent development in, (31) 190.
aphis—	recent development in, (31) 190.
and toil on a symmet Bost (37) 461.	system for residences and small institutions
lend curling, remedies, (38) 555. mealy, in Egypt, (38) 158. reddish-brown, notes, (37) 562. reddish-brown, notes, (37) 562.	(31) 190.
mealy, in Egypt, (38) 158.	systems, local vents in, (31) 893. treatise, (35) 690.
reddish-brown, notes, (37) 502.	Treatise, (35) 090.
southern, alternate hosts, (39) 464. bacterial canker, notes, (30) 245, 537.	Plume grass, analyses, (26) 400.
Dacterial Chiker, Hotes, (30) 240, 031.	Plums—
black knot-	acidity, (32) 110; (37) 714. adaptation and variety tests, (29) 41.

Plums—Continued.	Plums-Continued.
American, description, (32) 837. analyses, (37) 42.	varieties—continued. for Indiana, (39) 447.
breeding and testing in Minnesota, (40) 148. breeding experiments, (32) 338, 438, 834: (35)	New Jersey, (33) 439. Northwest, (39) 844 Olno, (37) 241.
breeding experiments, (32) 338, 438, 834; (35) 743; (36) 741; (37) 833; (39) 316, 814; (40) 742.	Ohio, (37) 241.
Chinese, host plant of fruit fly, (26) 758.	Oregon, (39) 241 western Washington, (33) 14.
composition as affected by irrigation, (29) 236. cost of production, (29) 439.	in Oklahoma, (27) 241.
crown coll offooting (%) 447	new, (39) 316. resistant to brown rot, (34) 414.
crown gall resistance in, (35) 645; (36) 352. culture, (30) 840; (32) 45; (39) 447.	resistant to disease, (29) 246.
culture—	variety tests, (39) 346. wild goose, changes in during ripening, (34) 802.
experiments, (27) 343; (28) 436. in Alaska, (29) 743. Europe, (37) 42.	wild, recipes, (37) 361. winter injury, (40) 835.
Europe, (37) 42.	winter washes for, (35) 38.
Mesa County, Colorado, (37) 241.	winter injury, (i0) 835. winter washes for, (35) 38. winterkilling, (32) 834. Plum-sand-cherry, Cikana, description, (30) 640.
New Mexico, (40) 18. New York, (35) 836.	Plusia— chalcites, notes, (27) 155, 657; (31) 219
Ontario, (32) 744.	eriosoma, studies, (10) 62. gamma, notes, (26) 147.
southern Utah, (30) 442.	Plutella—
Uruguay, (32) 745. Utah. (33) 638.	armoracia, lue history and remedies, (28) 656. maculipennis, see Diamond-back moth.
Cytospora disease of, (34) 648.	Plymouth Rocks, see Fowls. Pneumococcus—
dropping periods, (40) 740.	action of blood from different species on, (40)
dust v. liquid spraying, (37) 832. dusting experiments, (38) 546.	286. as affected by serums and leucocytes, (26) 175.
dying in France, (26) 850.	nydrogen-ion concentration for growth of, (39)
Europe, (37) 42. Maryland, (37) 48. Mas County, Colorado, (37) 241. New Mexico, (40) 18. New York, (38) 336. Ontano, (32) 744. southern Texas, (32) 337, 539. southern Utah, (30) 442. Uruguay, (32) 745. Utah, (33) 638. Cytospora disease of, (34) 648. destruction in Rhine Provinces, (26) 144. dropping periods, (40) 740. dust v. liquid spraying, (37) 832. dusting experiments, (38) 546. dying in France, (26) 850. effect on composition of urine, (31) 761. European, pollination, (28) 237.	888. immunity, studies, (40) 676.
European, pollination, (28) 237. excrescences on, (39) 353. fail v. spring planting, (20) 238. fertile and self-storile varieties, (40) 638.	infection, experimental, chemotherapy of, (39) 185.
fertile and self-sterile varieties, (40) 638,	infection in horses, (40) 784.
fruit stocks for, (38) 345. greengage, localization of acids and sugars in,	studies, (40) 480. Pneumonia—see also l'leuropneumonia.
(30) 110. Stowing on gross land (26) 630	Action of digitalis in. (37) 375.
improvement in Minnesota, (34) 637. injuries by freezing, (26) 749; (32) 43. inoculation experiments with brown rot lungus,	chronic catarrhal, in sheep, (35) 678. contagious, in donkeys, (37) 692. contagious, in horses, (36) 85.
inoculation experiments with brown rot fungus.	contagious, treatment, (32) 682.
(00) 241.	enzootic, in young pigs, (37) 477. equine—see also Indiienza, equine.
insects affecting, (30) 753; (33) 54; (38) 460, 843. Japanese and hybrid, wilt disease of, (33) 248.	treatment, (31) 87; (38) 788.
	treatment, (31) 87; (38) 788. in cattle, studies, (26) 286. in lower animals, (30) 579.
new, descriptions, (29) 838; (30) 640; (31) 337;	infectious, in cattle, (36) 675. interstitial, in lungs of camels, (30) 680.
of New York, monograph, (27) 40.	lobar, in domestic animals, (36) 676.
Monilia on, (30) 647. new, descriptions, (29) 838; (30) 640; (31) 337; (32) 438; (33) 238. of New York, monograph, (27) 40. oriental peach moth on, (39) 259, 261. pear slug affecting, (27) 156; (40) 547.	septic, in bovines, treatment, (31) 85. septic, in horses, (38) 184.
	studies, (37) 274. treatment, (26) 484; (27) 576; (31) 378.
picking and handling, (34) 437. planting at different ages, (37) 647.	Pneumonic plague, susceptibility of animals to, (28)
pollination, (34) 233, 341; (36) 139; (40) 148, 638, 836.	180. Pneumonitis in pigs, (33) 774
pollination by bees, (36) 536. preservation, (29) 312; (35) 367.	Pneumonyssus foxi n.sp., description, (34) 364. Pneumotuber macaci, notes, (31) 356.
preservation by pressure, (32) 416, pruning, (30) 739; (32) 837.	Pos-
pruning, (30) 739; (32) 837. pruning and training, (37) 344.	alpina, analyses, (31) 863. argentina, toxicity to sheep, (39) 85.
pruning and training, (37) 344. pruning experiments, (37) 240; (39) 347.	ash constituents of, (30) 334. fertilis, pollination experiments, (37) 735.
reducing and nonreducing sugars in, (29) 503. ringing experiments, (32) 636.	nevadonsis, digestibility, (32) 770, pratonsis, germination as affected by light, (30)
ringing experiments, (32) 636. ripening studies, (31) 311. "salmon fly" injury, (39) 257. seedling, variation in, (30) 144. self-sterility in, (26) 239; (40) 148. sod mulch v. culture, (30) 640; (33) 43. spray injury to foliogo (40) 161	531.
seedling, variation in, (30) 144.	pratensis, germination tests, (30) 437; (31) 227. spp., germination tests, (28) 327; (29) 143.
sod mulch v. culture, (30) 640; (33) 43.	spp., seeding on ranges, (30) 35.
shray schedules (30) 30 140	trivialis, composition and digestibility, (36) 469. trivialis, drought resisting qualities, (28) 533.
spraying experiments, (27) 143, 439; (28) 436,	Podabrus pruinosus, notes, (30) 459. Podagrion mantidiphagum n.sp., description, (37)
652; (37) 744; (39) 345. spring v. fall planting, (33) 439.	467.
spring v. fall planting, (33) 439. sterility in, (32) 834; (37) 240. sterility studies, (40) 740.	Podisma frigida in Alaska, (34) 61. Podisus maculiventris—
stocks for, (32) 337; (40) 445.	destructive to pear slug, (26) 863. notes, (29) 456.
stocks for, (32) 337; (40) 445. tree census in Washington, (40) 340. varieties, (29) 235; (32) 538; (33) 638; (37) 143,	Podocarpeae, root nodules of, (30) 523.
241; (38) 41.	Podocarpineae, root nodules of, (27) 828. Pododermatitis, suppurative, treatment, (40) 181.
varieties— American, (32) 744.	Podogaster evetrivorus n.sp., description, (32) 852. Podophyllum emodi, culture, (34) 346.
Australian, (39) 844. for Canada, (30) 840.	Podosesia syringae, notes, (28) 155; (36) 659.
home orchard, (40) 841.	Podospermum laciniatum, appearance in South Australia, (38) 141.

Podosphaera—	Poliomyelitis—Continued.
leucotricha— notes, (28) 447; (33) 846; (40) 251.	in lower animals and transmission, (35) 280. sheep, (29) 681.
notes, (28) 447; (33) 846; (40) 251. parasite of, (32) 544. treatment, (39) 856.	relation to rats, (40) 85, 546.
treatment, (39) 856.	relation to stable flies, (29) 559, 560. studies, (39) 186.
oxycanthae, notes, (32) 641; (40) 53. oxycanthae, treatment, (26) 750.	transmission, (30) 753.
spp., descriptions and treatment, (31) 748.	transmission, (30) 753. transmission by—
spp., notes, (34) 247. spp., studies, (33) 347.	insects, (28) 753; (38) 262. Lyperosia irritans, (31) 551.
Podosporielia—	rats and insects, (36) 354.
n.sp. (?) on wheat, (33) 848.	stable flies, (28) 160, 161, 560. Polistes—
verticillata n.sp., description, (34) 644. Podothrips semiflavus n.g. and n.sp., description,	gallica, notes, (27) 862.
(30) 658.	hebraeus, notes, (38) 164.
Poecilanthrax, notes, (37) 565. Poecilocapsus lineatus, notes, (28) 158; (33) 58.	metricus, life history and habits, (37) 855.
Poecilocoris—	spp., notes, (28) 451. Political economy instruction in agricultural
latus, notes, (28) 241; (29) 446. spp., notes, (30) 853.	schools, (34) 693.
Poecilonota decipiens, notes, (30) 455.	Pollen— and pollen disease, studies, (39) 803.
Poeciloscytus basalis, relation to fire blight, (33) 744.	as affected by sulphurous acid, (27) 635.
Pogonarthria fleckii, analysis and digestibility, (32)	development in grapes, (32) 627.
167. Pogonomyia, anthomyid genus, (40) 357.	extract preparations, (40) 284. formation, (34) 525; (35) 523.
Pogonomyrmex—	germination, (29) 437.
barbata, notes, (29) 453.	grain as a colloidal system, (36) 526. grains, development in citrus fruits, (28) 524.
barbata, remedies, (32) 549; (35) 551. barbatus molefaciens, studies, (27) 263.	grains, germination experiments, (35) 731.
barbatus rugosus, remedies, (33) 57.	mother cells, cytokinesis, (40) 517. red clover, physiology of, (29) 829.
californicus, notes, (26) 483. Pohna grass, analyses, (28) 768.	red clover, physiology of, (29) 829. removal by Syrphidae, (39) 734.
Poison—	sterility in relation to crossing, (35) 731.
extraction from brain. (28) 280.	toxin, studies, (29) 377.
ivy, constituents of, (36) 502. ivy, fat of, (38) 202; (39) 27.	tube development in microspore of Pinus sylvestris, (40) 223.
oak, toxicity, (36) 501. Poisoning, symptoms and therapy, (32) 578.	tube protoplasm, studies, (40) 28, 818.
Poisoning, symptoms and therapy, (32) 578.	viability, (32) 534. vitality, (29) 41, 326.
Poisonous animals of desert, (39) 153. Poisonous plants, see Plants, poisonous.	water-soluble B in, (40) 564.
Poisons-	Pollenia rudis
detection, (32) 578.	hibernation, (34) 254; (38) 262. life history, (36) 359. relation to fire blight, (36) 351.
dectection in water, (34) 410. economic, consumption and cost in California,	relation to fire blight, (36) 351.
(40) 59.	studies, (37) 665.
effect on—	susceptibility to nicotin, (33) 256. Poll-evil—
apples and potatoes, (33) 329. germ cells, (33) 368. germ cells of fowls, (37) 370.	etiology and treatment. (26) 484.
germ cells of fowls, (37) 370.	handbook, (39) 190.
microorganisms, (32) 308. seeds. (29) 529.	immunization, (31) 378; (34) 580. Pollination—see also specific plants.
seeds, (29) 529. vitality of male rabbits, (31) 876.	bibliography, (29) 437. controlled, in Nicotiana, (40) 131.
mineral, detection in organic matter, (26) 200.	effect on fruit of Diospyros kaki, (31) 440.
nonprotein, chemical defense against, (32) 78. organic, detection in food, (31) 207.	improved technique, (40) 627.
organic, detection in food, (31) 207. organic, effect on plants, (34) 526; (39) 224; (40)	physiology of, (34) 628.
520. protective action of diet against, (40) 465.	rôle of insects in, (40) 655. Pollinia fulva, analyses, (30) 565.
treatise, (26) 373.	Pollinopsis betae n.g. and n.sp., description, (36)
Pokewced—	454. Polyarthritis—
critical flowering and fruiting temperatures, (38) 330.	in newhorn calves (40) 887
mosaic disease, studies, (39) 549.	in pigs, notes, (36) 280.
notes, (30) 145. Polanisia luderitziana, analyses and digestibility,	in sheep, (31) 286. Polycaon confertus, notes, (27) 857; (29) 657; (35)
(27) 871; (32) 167.	58; (38) 157.
Polar explorers, food for, (32) 857.	Polychaetoneura elyii n.g. and n.sp., description, (31) 456.
Polarimetry, book on, (38) 803. Polariscope, sodium lamp for, (34) 804.	Polychrosis—
Polarization, Clerget, source of error in, (32) 717.	botrana
Polarized light, chemical effects, (31) 759. Pole holes, digging with dynamite, (36) 89.	biology and remedies, (34) 654. control, (39) 765.
Polenske number, determination, (30) 114; (31) 811.	monograph, (34) 553. notes, (26) 655; (28) 559; (35) 54, 257.
Poles-	notes, (26) 655; (28) 559; (35) 54, 257. parasites of, (35) 253, 659.
industry in Canada, (26) 242; (32) 238; (37) 245; (38) 147.	nolumbagous nabits. (32) 554.
industry in 1015 (28) 244	remedies, (29) 655; (34) 63; (40) 167.
preservation, (26) 242, 644; (27) 846; (30) 146, 239, 845; (33) 544; (37) 651.	viteana, see Grape berry worm. Polyctenidae—
prices in Canada and United States, (20) 242.	adaptation to parasitic life, (27) 656.
production in Canada, (28) 645; (30) 744.	viviparity in, (31) 452.
telephone, tests, (30) 843. use in Canada, (29) 843.	Polycystus— clypeatus n.sp., description, (39) 869.
Poliomyelitis—	ioersteri n.sp., description, (au) out.
acute, notes, (26) 676. and dog distemper, relationship, (30) 781.	Polydrusus— impressifrons, notes, (29) 252; (35) 54; (36) 456.
bodies, action of human and rabbit blood on,	impressitions, studies, (36) 859; (37) 359. spp., habits, (36) 58.
(40) 287.	spp., habits, (36) 58. Polyembryony in Quercus alba, (40) 226.
in dogs, (40) 483. horses in India, (38) 287.	TANDAMATIAN TO LEAVE AND HOUSE (LO) HOUSE

Polyetes abolineata, notes, (30) 553.	Polyporus—Continued.
Polygala butyracea, rot bacteria affecting, (29) 345. Polygnotus—	sulphureus on alder, (40) 844. texanus, notes, (31) 751.
spp., parasitism, (31) 458. vernalis n.sp., description, (38) 63.	vaporarius, notes, (26) 551; (28) 350; (29) 157 (37) 253.
Polygonaceae, development and germination of	vaporarius, studies, (28) 751; (34) 547.
seed, (32) 329. Polygonia interrogationis, notes, (33) 58.	versicolor, notes, (31) 751. Polyrrhaphis grandini, notes, (30) 657.
Polygonum—	Polysaccharids—
convolvulus, notes, (30) 236. (Fagopyrum) tataricum, notes, (30) 838.	crystallized, from starch, (30) 803. of lower fungi, (33) 411.
persicaria, eradication, (31) 532. persicaria, new leaf spot, (39) 152.	Polysphineta texana, notes, (31) 355. Polystictus—
sachalinense, analyses, (31) 863.	hirsutus in black knot canker, (32) 52.
spp., toxic effect on pigs, (38) 589. Polygraphus—	hirsutus, treatment, (29) 552. spp., notes, (26) 57, 144.
major, notes, (26) 351.	spp. on forest trees, (40) 349. versicolor, description, (30) 151.
n.spp., descriptions, (30) 757. Polyides rotundus, analyses, (37) 814.	versicolor, notes, (28) 551. versicolor, wound parasite of catalpa, (27) 752.
Polymecus lasiopterae n.sp., description, (38) 165. Polymnia edulis, culture experiments, (30) 640.	Polystigma ochraceum, notes, (28) 443.
Polymorphism— in fungi, (34) 32.	Polystigma rubrum, notes, (40) 749. Polystomidae of North America, (38) 365.
in stamens of fruit tree flowers, (28) 540.	Polysulphid solutions, analyses, (35) 675.
Polynema— bifasciatipenne, notes, (31) 650.	Polysulphids— fungicidal value, (27) 855.
bifasciatipenne varium n.var., notes, (38) 565 imitatrix n.sp., description, (40) 760. reduvioli n.sp., description, (37) 856.	insecticidal value, (34) 61; (35) 838. Polysulphur, determination, (35) 207.
reduvioli n.sp., description, (37) 856.	Polyteennie school at Sao Paulo, Brazil, (28) 793.
Polyneuritis— avian, treatment, (32) 683.	Polytrias— amaurea, notes, (26) 302.
development in noultry, (27) 66.	praemorsa, notes, (30) 229. praemorsa, tests, (38) 828.
lietary factors in, (35) 166. experimental, in birds, (33) 167. experimental, treatment, (29) 463.	Folytrichum commune, eradication, (29) 741.
experimental, treatment, (29) 463.	Polyurates, effect on development of radishes. (26) 229.
causative agent, (26) 889. eticlogy, (28) 185; (33) 279.	Pomace fly—
	apterous form, (32) 351.
patation to foodstuffs, (29) 865. studies, (29) 180; (30) 887. in birds, studies, (27) 568, 868. fowls, notes, (28) 764.	attacking blueberries, (34) 852. biological studies, (29) 457.
in birds, studies, (27) 568, 868.	inheritance of length of life in, (32) 555. life duration, (38) 563.
fowls, notes, (28) 764. fowls, relation to bread diet, (32) 476.	notes, (31) 552.
gnines pigs and pigeons, treatment, (30) 79.	pupae as affected by humidity, (39) 563. rearing on sterile media, (31) 63.
pigeons, (36) 60. onset, relation to carbohydrate ingested, (32)	Pomace wine, composition and detection, (36) 205. Pomaceae of upper South Carolina, (36) 140.
163. prevention by foodstuffs. (28) 760; (31) 762.	Pomaderris apetala, food plant of purple scale, (26) 756.
prevention by foodstuffs, (28) 760; (31) 762. relation to diet, (28) 557; (38) 568. relation to rice bran, (28) 564. relation to "vitamin," (28) 261. studies, (39) 365, 368, 667; (40) 563, 564. treatment (20), 588, (38), 711; (38) 783	Pomegranate—
relation to "vitamin," (28) 261.	butterfly, notes, (32) 151. disease, notes, (34) 232.
studies, (39) 365, 368, 667; (40) 563, 564. treatment, (29) 568; (35) 711; (38) 782.	Melanconium sp. on, (39) 453.
Polypeptids—	rot, notes, (31) 539. rot, studies, (28) 549.
detection, (28) 503. hydrolytic action, (27) 802.	Pomegranates-
synthesis by means of enzyms, (34) 708. Polyphylla—	acidity, (32) 110; (37) 715. culture, (36) 743.
uecemlineata, notes, (32) 556; (35) 364.	culture in Arizona, (32) 233. culture in southern Texas, (32) 539.
fullo, digestive ferments of, (26) 657. Polyplax spinulosus, distribution on rats, (29) 755.	freeze injury, notes, (39) 843.
Polyporacone—damaging trees, (39) 149.	freeze injury, notes, (39) 843. varieties, (32) 337. Pomelos, see Grapofruit.
of Montana. (38) 553.	Pomnifitz Agricultural-Chemical Station, report,
Polyporus— adustus, notes, (28) 551; (30) 653; (32) 242.	(27) 718. Pomological—
adustus, notes, (28) 551; (30) 653; (32) 242. amorphus on pitch pine, (39) 153. berkeleyi, notes, (29) 852.	Experiment Station in south Russia, (30) 200.
dryadeus, studies, (30) 354. dryophilus, distribution, (32) 150. dryophilus, notes, (29) 851. ellisianus, notes, (35) 655. fulvus, notes, (40) 749. ignigrius, studies, (35) 655.	instruction, (40) 196. instruction in Proskau, (32) 691.
dryophilus, notes, (29) 851.	nomenclature, (39) 833. work at Ponnsylvania Station, (35) 644.
ellisianus, notes, (35) 655. fulvus, notes, (40) 749.	work at University of California, (38) 446.
	Pomology— hibliography (33) 537
lignosus (Fomes semitostus), notes, (33) 741. lignosus, notes, (28) 153; (29) 547; (35) 551; (37)	bibliography, (33) 537. course in, (31) 897.
349. lucidus, notes, (29) 446.	extension work in Massachusetts, (35) 592. in Australia, (39) 843.
lucidus, studies, (39) 654.	papers on, (39) 541. review of literature, (30) 40.
n. spp., descriptions, (30) 52. rugulosus in Malaya, (38) 52.	teacning, (28) 639; (29) 694.
schweinitzli, notes, (31) 845. schweinitzli, studies, (38) 355.	valuable unpublished work on, (37) 41. Ponphopoea sayi, notes, (28) 158, 352; (34) 752.
shoreae n.sp., description, (38) 547, 555.	Pond—
shoreae n.sp., description, (38) 547, 555. shoreae, notes, (38) 332; (39) 146. spp., infection of wood by, (38) 651.	lily aphid as a plum pest, (34) 550. lily leaf spot rot. (36) 752.
spp., notes, (26) 144; (27) 653. spp. on apples in eastern United States, (35) 654,	Illy leaf spot rot, (36) 752. mud, analyses, (38) 626.
spp. on forest trees, (40) 349.	mud, fertilizing value, (29) 625. weed, floating, growing for wild ducks (29) 373

```
Populus—
canadensis, notes, (27) 454.
vancouveriana n.sp., description, (34) 336.
Porbe bjerkandrella, notes, (33) 554.
Porcellin, marking, (26) 715.
Ponds-
                           fertilizer experiments, (26) 811; (29) 731.
storage, in agricultural districts, (27) 212.
 Pongamia glabra—
as a green manure, (38) 220.
cake, fertilizing value, (38) 220.
                                                                                                                                                                                                                                                                                                                                                                                                  Porcellio
                                                                                                                                                                                                                                                                                                                                                                                                  Porcellio—
laevis as affected by Roentgen rays, (28) 57.
laevis, notes, (27) 658.
spp., notes, (31) 758.
Porcellionides pruinosus, notes, (31) 758.
Porcidin, use against swine plague, (26) 587.
 Ponies-
   Ponies—
British breeds, improvement, (38) 576.
Mountain and Moorland, notes, (29) 573.
pole, breeding in England, (29) 874.
Shetland, treatise, (30) 270.
textbook, (31) 470.
Welsh and Exmoor wild, as foundation stock
for army remounts, (29) 874.
Welsh, manual, (31) 170.
Pontatoma ornatum, destruction by vegetable para-
sites (28) 364.
                                                                                                                                                                                                                                                                                                                                                                                                                                atrosporia n.sp., description, (29) 451.
hypobrunnea, notes, (39) 452.
hypolaterita—
                                                                                                                                                                                                                                                                                                                                                                                                                              nypolaterita—
attacking Tephrosia candida, (33) 545.
notes, (40) 53, 349.
studies, (37) 458.
on Hevea, (39) 152.
vaporaria (Polyporus vaporarius), notes, (23)
350.
                sites, (28) 354.
                             monuste, notes, (29) 652.
rapae, see Cabbage butterfly and Cabbage worm,
imported.
                                                                                                                                                                                                                                                                                                                                                                                                                          and pork products, preserving and pickling,
(33) 259.

as affected by feeding stuffs, (39) 174, 674.

as saffected by peanuts, (37) 367.

as substitute for beef in French army, (33) 163.

butchering and curing, (35) 569.

Chinese export, notes, (27) 171.

cold storage, stuffsities, (28) 869.

cost of cold storage, (27) 164.

cost of production, (31) 568; (33) 259.

curred and salted, in United States, (38) 865.

curing, (32) 771; (39) 373.

curing on the farm, (38) 476.

curing without ice, (28) 465.

cuts, of, (33) 259.

fat, digestion and absorption, (34) 257.

frozen, treatment and utilization, (35) 858.

home butchering and curing, (40) 772.

imports into Great Britain, (27) 470.

inspection and handling in meat trade, (33) 259.

inspection in China and Siberia, (26) 258.

prices as affected by cold storage, (28) 871.

prices in Ireland, (31) 96.

contest in North Dakota, (30) 899; (31) 568.

in Fiolda. (28) 770.
                                                                                                                                                                                                                                                                                                                                                                                                        Pork-
     Pooceetes gramineus, destruction of grain aphids by, (29) 452.
   by, (29) 402.

Pop corn—
breeding experiments, (34) 144.
culture, (29) 743.
rice, studies, (34) 431.
secod, sterilization, (38) 629.
varieties, (29) 426.
viability tests, (34) 145.
Pop fuctories, Inspection, (31) 359.
Popence, E. A., blographical sketch, (29) 699.
Popilla japonica—
introduction, (39) 363.
larvae, fumigation, (40) 256.
remedics, (38) 842.
                             nad willow borer, see Cryptorhynchus lapathi. borer, see Saperda calcarata. canker, studies, (39) 357. caterpillar, notes, (28) 155. caterpillar, notes, (28) 155. caterpillar, notes, (31) 641, 845. diseases, descriptions, (27) 451. heart rot, distribution, (32) 150. leaf beetle, notes, (28) 256, 752. leaf miner in New Jersey, (40) 758. leafhopper, studies, (38) 764. mite, new, (40) 359. mocha-stone moth, notes, (26) 856. root weevil, notes, (36) 58. rust, now, (39) 254. rusts, notes, (36) 675. weevil in Wisconsin, (38) 155. weevil, notes, (26) 753. wood, production in France, (29) 43. plars—
                                                                                                                                                                                                                                                                                                                                                                                                                                                               duction—
contest in North Dakota, (30) 899; (31) 568.
in Florida, (28) 770.
in Padific Northwest, (30) 771; (31) 470.
notes, (29) 69, 573.
without milk or potatoes, (28) 574.
                                                                                                                                                                                                                                                                                                                                                                                                                                  natural marks of possess, (26) 512.

products—
adulteration, detection, (28) 510.
international trade, (27) 373.
market classifications, (30) 373.
recipes, for cooking, (28) 65.
salting experiments, (27) 471.
sausage, examination, (28) 166.
sausage, preservation, (29) 312.
shipping experiments, (27) 470.
shrinkage in curing, (28) 465.
slaughtering and curing, (31) 269.
soft, from rice bran, (39) 478.
soft, studies, (39) 673.
testing and grading on basis of firmness, (39)
673.
            ropiars—
carpenter worm affecting, (31) 550.
for windbreaks, (36) 143.
insects affecting, (27) 453.
yellow, in Tonnessee, (30) 535.
Poponarthria tuberculata, analyses and digestibility, (27) 871.
Poppies—
Poppi
            Popples—
breeding experiments, (35) 345.
coleopteran attacking, (39) 663.
fertilizer experiments, (26) 129, 425, 630; (34) 820.
                                                                                                                                                                                                                                                                                                                                                                                                                                           trichinae in, (36) 662.
trichinous, cold storage experiments, (31) 356.
value in the diet, (33) 259.
           fortilizer experiments, (28) 129, 425, 630; (34) 820.

Poppy—
alkaloids, latex, and oxidases in, (36) 127.
blight, notes, (31) 641; (38) 351, 547, 548.
cake, analyses, (29) 266; (27) 872.
cake, nutritive value, (28) 673.
culture, (30) 743.
diseases, notes, (36) 449.
floral anomalies in, (29) 629.
seed cake, analyses, (30) 268.
seed cake, effect on milk and butter, (34) 570,
seed meal, analyses, (30) 268.
seed oil, detection, (29) 613.
seed, wed seeds in, (35) 444.
Welsh, inheritance of doubleness, (39) 123.

Population—see also Agricultural population.
growth and distribution in Michigan, (31) 595.
Malthusian theory, treatise, (34) 594.
of United States, (27) 489.
relation to agricultural production, (30) 895.
rural and urban, in United States, (36) 591.
                                                                                                                                                                                                                                                                                                                                                                                                               Porometer, description and use, (35) 431.
                                                                                                                                                                                                                                                                                                                                                                                                            delorata, notes, (31) 352.
orthogonia, poisoned bait for, (34) 358.
vetusta, notes, (27) 159.
Porphyrothrips cottei n.g. and n.sp., description, (29) 854.
Porpoise oil, effect on milk secretion, (32) 471.
Porricondylariae of New York, (34) 752.
Porthesia chrysorthoea, larval disease of, (36) 754.
Porthetria dispar, see Gipsy moth.
                                                                                                                                                                                                                                                                                                                                                                                                                 Porthetria dispar, see Gipsy moth.
                                                                                                                                                                                                                                                                                                                                                                                                                 Porto Rico-
                                                                                                                                                                                                                                                                                                                                                                                                                                         to Rico—
College, notes, (29) 900; (30) 96; (33) 900; (35) 98; (36) 100.
Federal Station, editorial, (38) 605.
Federal Station, notes, (28) 300, 600; (30) 900; (31) 300, 599, 696, 797; (32) 398; (33) 900; (37) 300; (38) 700, 900.

Federal Station, report, (27) 399; (29) 696; (31) 694; (33) 599; (36) 396; (38) 796; (40) 97.
```

Porto Rico—Continued.	Potash—Continued.
Insular Station, notes, (26) 300, 696; (27) 900; (35) 400, 597; (37) 98; (38) 499; (39) 198.	effect on—continued. cranberries, (30) 143.
Insular Station, report, (29) 95; (30) 395; (37)	flax fiber, (31) 332.
298; (39) 94. University, notes, (26) 97; (27) 494; (28) 94, 698;	growth of leguminous plants, (31) 132. maturity of cotton, (31) 40.
(30) 798.	peaches, (33) 840.
Portulaca, inheritance studies, (40) 131. Posidonia australis, fiber from, (38) 529.	quality of barley, (31) 330. rape, (32) 435.
Postal savings banks in various countries, (29) 895.	red clover, (32) 228.
Posts, see Fence posts. Postum cereal residue, composition and digestibil-	variation of tomatoes and beans, (29) 339. weed growth in meadows, (38) 141.
ity, (32) 666.	evaporation from brines, (35) 219.
Pot culture work, equipment for, (37) 521. Pot experiments—	extraction from— aluminum silicates, (26) 426.
factors affecting yield, (29) 514; (35) 215. moisture control in, (35) 319.	alunite. (36) 17.
wire cage for, (32) 514.	feldspar, (26) 726; (27) 724. leucite, (36) 414.
Potamogeton natans, growing for wild ducks, (29)	minerals, (26) 526.
373. Potash—	muscovite, (37) 505. rocks and marls. (27) 23.
absorption by bacteria, (29) 315.	rocks and marls, (27) 23. silicate rocks, (27) 500, 628; (28) 33; (37) 427.
absorption by bacteria, (29) 315. absorption by eats, (31) 632. absorption by soils, (31) 723.	wyomingite, (35) 503. fertilizer experiments, review, (34) 821.
ansorbtion from zeolites, (29) 625.	fertilizers
American rock, (40) 134. as blast furnace by-product, (36) 625. coment mill by-product, (36) 625; (37) 817. fertilizer for hops, (30) 37.	application, (31) 820.
cement mill by-product, (36) 625; (37) 817.	comparison, (26) 31, 525, 536, 837; (27) 125, 725; (28) 221, 325; (29) 126, 215, 516; (30) 221, 527, 724; (31) 820; (35) 323; (37) 135; (38) 218, 726.
top dressing for pastures. (29) 632.	221, 527, 724; (31) 820; (35) 323; (37) 135; (38) 218, 726.
top dressing for pastures, (29) 632. winter spray for fruits, (30) 641.	CCOHOMIC use, (21) 24.
assimilation by rice, (38) 340. availability in—	fertilizers, effect on— composition of sugar beets, (27) 126.
barnyard manure, (26) 323, 424.	conservation of pears, (29) 640.
feldspar, (37) 522. feldspathic fertilizers, (29) 796.	keeping quality of fruit, (27) 644. pasture grasses, (27) 125.
fertilizers, (27) 496. New Jersey soils, (37) 629.	production of cereals, (32) 827.
New Jersey soils, (37) 629. soils, (36) 625.	soils, (27) 622. sugar beets. (33) 434.
soils as affected by lime or gypsum, (36) 519. bearing rocks in Wyoming, (26) 623.	sugar beets, (33) 434. tobacco, (33) 732.
brines, evaporation, (34) 425.	fertilizers—
brines, evaporation, (34) 425. carriers, comparison, (39) 446.	for moor soils, (39) 438. residual value, (38) 220. review of investigations, (27) 128.
citric soluble, production and fertilizing value, (32) 218.	residual value, (88) 220. review of investigations, (27) 128.
concentration in subsoil. (31) 720.	review of investigations, (27) 128. time of application, (27) 125. unbalanced, effects, (40) 621. fertilizing value, (26) 534, 536, 537; (27) 324, 436, 437, 534; (28) 520; (29) 227; (30) 232, 428, 836; (31) 226, 328, 333, 527, 738, 821; (33) 828; (34) 519; (37) 521, 636; (38) 133, 217, 534; (39) 127, 335. feld and lehoratory test for (27) 23
content of coal ash, (39) 329. content of seaweeds, (26) 726. content of soil, relation to Rhizoctonia, (40) 347.	fertilizing value, (26) 534, 536, 537; (27) 324.
content of soil, relation to Rhizoctonia, (40) 347.	436, 437, 534; (28) 520; (29) 227; (30) 232, 428,
deposits— at Spur, Texas, (31) 726.	(34) 519; (37) 521, 636; (38) 133, 217, 534; (39)
in Alsace, (40) 320. California, (29) 319. Catalonia, Spain, (35) 24. Germany, (29) 319.	127, 335.
Catalonia, Spain, (35) 24.	fixation by soil bacteria, (34) 815.
Germany, (29) 319. Germany, origin and importance, (28)	for cranberries, (34) 150.
424.	Kentucky solls, (35) 122. meadow solls, (26) 424.
Great Basin, (29) 518; (31) 423. Kalusz, eastern Galicia, (29) 822.	moor soils, (40) 230. muck soils, (33) 33.
Michigan, (31) 623.	TORRS (34) 143
Michigan, (31) 623. Nebroska, (28) 522. Nevada, (28) 424, 819; (33) 425.	sugar cane, tests, (38) 135. sweet potatoos, (33) 337. from alunite, (27) 628; (39) 727. artificial zeolite, (37) 322. banana stalks, (36) 820.
New Mexico, (27) 23.	from alunite, (27) 628; (39) 727.
northern Spain, (32) 323. southern California. (28) 819: (33) 518.	artificial zeolite, (37) 322. banana stalks, (36) 820
Nevada, (28) 424, 819; (33) 425. New Mexico, (27) 23. northern Spain, (32) 323. southern California, (28) 819; (33) 518. Spain, (32) 126; (33) 26. Spain and Chile, (36) 26. Texas, (28) 522; (32) 820; (34) 26; (35) 23. United States, (27) 22, 500, 627; (28) 33, 221; (31) 125, 218, 321. Upper Alsace, (27) 421. Utah, (36) 325.	beet and cane molasses, (38) 124. beet sugarhouse waste, (37) 817; (39) 808.
Spain and Onile, (36) 26. Texas. (28) 522: (32) 820: (34) 26: (35) 23	beet sugarhouse waste, (37) 817; (39) 808. biotite and similar silicates, (37) 821.
United States, (27) 22, 500, 627; (28) 33,	blast furnace by-products, (38) 424; (39)
221; (31) 125, 218, 321. Upper Alsace, (27) 421.	118, 121, 625. blast furnaces and cement works (40) 128
Utah, (36) 325.	blast furnaces and cement works, (40) 128. bracken, (39) 220, 626; (40) 321. cactus, (33) 234.
mineralogy and geology of, (35) 429. determination, (28) 796; (32) 295; (37) 504, 712;	cactus, (33) 234. cement materials, (37) 218.
(39) 209, 312; (40) 112, 309, 806.	cement mills. (38) 123, 124; (39) 328, 329.
determination— in ash of cereals, (26) 807.	complex mineral silicates, (30) 218. copper and gold ores, (34) 425.
ashes. (26) 99.	desert brine, (39) 204.
fertilizers, (26) 108; (27) 496; (28) 111; (29) 308; (31) 207; (39) 12. soils, (27) 514; (31) 618; (36) 299, 611.	desert lakes and alunite, (40) 128. electrically-treated feldspar, fertilizing
soils, (27) 514; (31) 618; (36) 299, 611.	value, (35) 726. feldspar, (27) 725; (29) 518; (32) 126, 324;
preparation of perchloric acid for, (40) 13. displacement by water in leaves, (29) 218.	(35) 326; (38) 123; (29) 518; (32) 126, 324;
displacement by water in leaves, (29) 218. distribution in loam soils, (31) 618.	(35) 326; (38) 123; (39) 116, 218, 219; (40)
domestic sources, (38) 625. effect on—	feldspathic rock, (34) 27. fir wood mill waste, (35) 327.
apples, (28) 144; (29) 438,	flue dust, (39) 118, 121, 430, 626.
coherence of soils, (31) 123. composition of beets, (31) 736.	fir wood mill waste, (35) 327. flue dust, (39) 118, 121, 430, 626. freshly cut kelp, (29) 519. greensand, (38) 123; (39) 218, 219; (40) 299,
composition of meadow hay, (31) 622.	428.

Potash—Continued.	Potash—Continued.
from hedge clippings and trimmings, (32) 218.	resources and use in New Zealand, (37) 218, 629,
hemp pulp, (40) 629.	817.
incinerator ash, (37) 722.	resources of Australia, (37) 322.
boln (21) 999, (20) 709 (21, (25) 207, (20)	resources of United States, (37) 522.
hemp pulp, (40) 629. incinerator ash, (37) 722. Italian leucitic lavas, (39) 219. kelp, (31) 823; (32) 723, 821; (35) 327; (39) 204, 220, 521; (40) 128.	rôle in plant nutrition, (26) 530.
marsh plants. (38) 520.	salts—see also Potassium salts.
marsh plants, (38) 520. mica, (27) 520.	absorption by plant leaves, (27) 324. analyses and tests, (37) 322.
Nebraska lakes. (37) 322.	as affected by phosphatic slag, (28) 508.
olive-oil residue, (40) 26.	as protection against frost, (27) 421.
olive-oil residue, (40) 26. Pinus insignis, (40) 321.	drilling v. broadcasting, (31) 123.
rapakivi and pegmatite granites, (27) 127.	salts, effect on—
sawmill waste, (33) 819.	action of phosphoric acid, (27) 623.
Searles Lake, (40) 128.	asparagus roots, (28) 236.
sea-water bittern, (39) 328. seaweed, (27) 724; (28) 522; (29) 128; (34)	burning quality of tobacco, (38) 140, 239;
26.	(39) 34. disease susceptibility in cereals, (29) 844.
	germination of seeds, (29) 328.
sinflower stame (38) 207. (40) 242.	soils, (26) 216.
silicates, (27) 724; (29) 215, 518, 822. sunflower stems, (38) 207; (40) 242. water hyacinth, (39) 523; (40) 347.	solts-
wood and plant ashes, (34) 425; (37) 427.	extraction, (27) 22.
wood ashes, (40) 320.	fertilizing value, (27) 125, 234, 725; (30) 221;
	(34) 519.
German and other sources, (35) 24. growing crops without, (39) 334.	for meadow soils, (34) 22.
growing wheat without, (40) 134.	imports into United States, (31) 726; (32) 723; (33) 625.
imports and use in United States, (31) 321.	in sugar beets, studies, (31) 325.
imports from Germany, (32) 517. in banana stalks and skins, analyses, (36) 123.	of United States, (27) 23.
in banana staiks and skins, analyses, (36) 123.	
common soil-forming minerals, (39) 728.	and use, (27) 327; (33) 218, 219.
granitic soils, (32) 126. loess soils, (35) 809.	saits, production— and use, (27) 327; (33) 218, 219. and use in 1911, (29) 213. and use in 1913, (32) 126, 425. in Germany in 1912, (29) 128. in 1915-16, (37) 523.
soils, liberation, (34) 519.	and use in 1913, (32) 126, 425.
soils, liberation, (34) 519. soils, solubility, (39) 821.	in 1015 16 (27) 502
tropical agriculture, (35) 126.	salts—
industry—	replacing with sodium chlorid, (34) 726.
in America, development, (37) 818. Austria-Hungary, (33) 822.	sources and production, (35) 23.
Austria-Hungary, (33) 822.	substitution for common salt in nephritis,
California, (33) 819. Germany, (26) 526; (27) 691; (30) 428;	(29) 167.
(33) 519	trade in, (31) 29.
(33) 518. 1913, (32) 218. United States, (36) 820. Upper Alsace, (30) 724. treatise. (24) 316.	Wittelsheimer, composition and use, (31) 519.
United States, (36) 820.	scarcity, relation to cotton yields, (40) 335.
Upper Alsace, (30) 724.	search in America, (26) 526.
treatise, (26) 316.	soil, utilizing, (40) 300.
lakes and deposits as a source of potash, (34) 327.	solubility—
lime, fertilizing value, (26) 526; (32) 218. lime, preparation and use, (27) 326.	as affected by bacteria, (29) 315. as affected by gypsum, (39) 521.
ame, preparation and use, (27) 326.	in mixed fertilizers. (31) 207.
long-continued use, (34) 128. loss by leaching, (33) 122.	in muscovite, (40) 812.
loss from manure (32) 818	sources, (30) 27; (34) 327; (36) 624; (39) 219, 327,
loss from manure, (32) 818. loss from soils, (27) 321; (29) 211; (35) 812. loss in drainage water, (28) 422, 820.	in mixed fertilizers, (31) 207. in muscovite, (40) 812. sources, (30) 27; (34) 327; (36) 624; (39) 219, 327, 429, 430, 724, 727, 824; (40) 422.
loss in drainage water, (26) 422, 620.	Sources in America, (34) 821.
loss in industrial wastes, (37) 630.	sources in Great Britain, (32) 218.
loss in industrial wastes, (37) 630. methods of analysis, (28) 709. mica, decomposition by soil bacteria and yeast,	sources in United States, (29) 419; (31) 321; (36) 26, 124.
(21) 191	spring application, (33) 625.
(31) 121.	statistics for 1914, (31) 30.
mica, fertilizing value, (28) 33. mineral sources, (26) 425; (36) 728.	substitutes for, (34) 327.
minerals, fertilizing value, (27) 724: (29) 625.	supplies of Great Britain during the war, (35)
minerals, fertilizing value, (27) 724; (29) 625. minerals in soils, (31) 720.	126. supply, (34) 494.
mines and works of Alsace, (40) 128.	supply, German and other sources, (32) 820.
minimum, for plant growth, (29) 22.	supply in United States. (32) 126.
natural and doinestic sources, (34) 519.	use in agriculture, (34) 27.
of feeding stuffs, digestibility, (40) 769.	in Germany, (28) 726; (36) 726.
of silicates, solubility, (34) 328. of soils, studies, (27) 323, 520; (28) 29.	use in agriculture, (34) 27. in Germany, (28) 726; (36) 726. in 1911, (27) 727; (28) 626.
phosphate fertilizers, Schroder's, tests, (38) 520.	on colton, corn, and potatoes, (40) 516.
phosphoric acid fertilizer, new, (38) 519, 726.	on moor soils, (38) 132. on pastures, (26) 437.
production—	v. phosphate fertilizers, (40) 824.
from sugar beets, (26) 613.	w sodium for sugar beets, (33) 135.
in California, (40) 725.	waste liquor lime, fertilizing value, (34) 26.
Nebraska, (40) 320.	works waste products, fertilizing value, (34)
1917, (39) 821; (40) 725.	328.
United States, (36) 26; (38) 326, 424; (39	works waste water for irrigation, (35) 637. world's supply, (34) 724.
120; (40) 26, 516, 517. relation to grape chlorosis, (26) 344.	world-wide search for, (31) 323.
relation to yellow-berry in wheat, (33) 42.	Potassic—
removal by corn grop. (37) 232.	rocks, utilization, (32) 321.
replacement by soda as a fertilizer for sugar beets, (32) 230,324. replacement in Feldspar, (30) 126.	superphosphate, fertilizing value, (26) 231; (27)
Deets, (32) 230,324.	530.
requirements of nitrogen bacteria, (27) 226.	Potassium— acid phthalate in acidimetry and alkalimetry,
residue from oxygen-acetylene plant, analyses,	(34) 408.
(32) 424.	adsorption by soils, (34) 817.
residues in Hagerstown soil, condition, (40) 25.	aluminum sulphate, fertilizing value, (37) 527.

Potassium—Continued.	Potassium—Continued.
and calcium sulphate, preparation, (32) 424. assimilation by plants, (31) 219.	excretion under normal and pathological condi- tions, (29) 106.
availability in soils, (33) 517; (35) 429.	ferrocyanid—
bichromate—	fertilizing value, (34) 27.
as milk preservative, (27) 677; (32) 576.	residue, fertilizing value, (26) 323.
effect on germination of seeds, (26) 820.	toxicity in soils, (40) 726. hydroxid and sulphur, reaction between, (31)
effect on milk, (31) 507; (33) 503. effect on plants, (27) 131.	409.
bisulphate, use in manufacture of superphos-	importance in animal nutrition, (31) 663.
bisulphate, use in manufacture of superphosphates, (27) 627.	in metabolism of Aspergillus niger, (30) 727. iodid, effect on ammonification, (28) 724
bromate, effect on enzym action, (38) 611.	iodid, effect on ammonification, (28) 724
bromid, effect on composition of milk, (30) 178. carbonate—	iodid, stimulation of radishes by, (39) 730. iodid, therapeutic value, (35) 382.
effect on germination of dodder, (27) 28.	localization and function in plants, (26) 823.
effect on germination of dodder, (27) 28. effect on germination of seeds, (29) 328. fertilizing value, (29) 632; (38) 218.	mobility in vegetable tissue, (32) 128.
chlorate injection into trees, (32) 754.	nitrate—see also Saltpeter.
chlorid—	absorption by plants, (35) 432. deposits in Brazil. (39) 817.
absorption by plants, (35) 435.	deposits in Brazil, (39) 817. deposits in New Mexico, (27) 127.
action on humus, (39) 514.	deposits in Western America, (26) 226.
analyses, (28) 326.	nitrate, effect on—
chlorid, effect on— activity of malt diastase, (29) 528.	alcoholic fermentation by Sterigmatocystis
activity of malt diastase, (29) 528. activity of soil bacteria, (31) 821.	niga, (37) 223. baking quality of flour, (30) 555. burning quality of tobacco, (38) 140, 239.
ammonification and concentration of soil	burning quality of tobacco, (38) 110, 239.
solution, (39) 323. composition of cereals, (37) 827.	110W of rubber latex, (29) 748.
composition of turnips, (29) 418.	germination of dodder. (27) 28.
germinating plants, (33) 128.	germination of seeds, (29) 328.
germination of seeds, (29) 327.	flow of rubber lates, (29) 748. germinating plants, (33) 128. germination of dodder, (27) 28. germination of seeds, (29) 328. legume bacteria, (29) 733. plicage page in later page of the
nitrogen content of soil, (38) 213. quality of sugar beets, (28) 44.	muogen-assimmang bactera, (50) (24.
wheat, (38) 439; (40) 244.	toxic salts, (30) 31. wheat seedlings, (31) 426.
oblorid-	nitrate—
fertilizing value, (26) 329, 526, 630, 736; (27) 32, 137, 234, 325, 385; (28) 532; (29) 625, 530; (30) 25, 427, 437, 636; (31) 731, 829; (32) 136; (35) 535; (36) 121; (38) 218, 422, 816, 825; (39) 434, 737, 740; (40) 516. for asparagus, (28) 339.	exports from India, (26) 524.
32, 137, 234, 320, 338; (28) 332; (29) 020, 930- (30) 25, 497, 437, 636- (31) 731, 930-	fertilizing value, (31) 518; (36) 626; (38) 218. in hops, (32) 502.
(32) 136; (35) 535; (36) 121; (38) 218, 422,	in plants, (27) 26.
816, 825; (39) 434, 737, 740; (40) 516.	preparation, (40) 801.
for asparagus, (28) 339.	preparation, (40) 801. of biotite, availability, (33) 722. of soils, studies, (28) 30.
	oxalate, effect on starch ferments, (27) 109.
citrus fruits, (31) 634. cranberries, (34) 150.	oxalate, toxicity, (28) 661.
imports into United States, (31) 726.	oxalate, toxicity, (28) 061. oxid, determination in soils, (31) 313.
preparation, (40) 801.	paimitate, use in water analysis, (31) 502.
secondary and subsidiary effects, (30) 26. use with seaweed, (33) 331.	permanganate— action with plant peroxidases, (37) 726.
waste liquors, effect on water supplies, (30)	antiseptic and germicidal value, (37) 176.
714.	as antidote for poisonous plants, (37) 688.
content of muscles, (26) 566. content of spinach, (40) 451.	as soil disinfectant, (31) 621.
cyanid—	as soil sterilizer, (26) 322. determination of arsenious acid with, (28)
analyses, (38) 643.	804.
as greenhouse fumigant, (32) 536.	effect on moor soils, (35) 724.
as larvicide, (27) 452. conduction in plants, (38) 855.	effect on plant growth, (35) 434. effect on root growth of cuttings, (39) 826.
effect on permeability, (37) 326.	effect on sweet peas, (27) 621.
effect on permeability of vegetable plasma	fertilizing value, (28) 820; (33) 841.
membrane, (34) 333.	reduction in plants, (30) 31.
effect on trees, (33) 154, 556, 725. injection into trees, (32) 152, 754, 846.	relation to tobacco gummosis, (28) 243.
inoculation, effect on trees, (39) 225, 762.	solution, standardization, (31) 501. solutions, preparation, (38) 412. therapeutic value, (38) 585.
insecticidal value, (35) 755.	therapeutic value. (38) 585,
toxic action on Paramecium and Didinium, (40) 455.	treatment for seed grains, (34) 844. use against grape oldium, (28) 152.
deficiency, effect on oat plant, (40) 324.	persulphate, oxidation of carbohydrates by, (33)
deficiency, effect on oat plant, (40) 324. detection as cobalti-nitrite, (26) 607. detection with tartaric acid, (32) 608, 609. determination, (28) 509; (29) 307, 609; (32) 714; (33) 710; (34) 503; (35) 316; (36) 111, 298, 611; (27) 110; (39) 413, 714.	502.
detection with tartaric acid, (32) 608, 609.	phosphate, effect on wheat seedlings, (31) 426. phosphate, fertilizing value, (27) 342. platinic chlorid, reduction, (27) 409; (40) 711.
(33) 710: (34) 503: (35) 315: (36) 111, 299, 611:	phosphace, leftlizing value, (27) 342.
(37) 110; (39) 413, 714.	relation to carbohydrate formation and decom-
COPE TITTE FOUL	nosition. (27) 635
as platinic chlorid, (26) 108; (27) 409.	removal from soil, (39) 517, 724. requirements of B. subtilis, (39) 619. requirements of barley and oats, (37) 34. salt as an adulterant of table salt, (29) 867.
fertilizers, (29) 409; (35) 12,	requirements of barley and oats. (37) 34.
in blood, (40) 116. fertilizers, (29) 409; (35) 12. foods, (29) 809. minerals, (27) 805.	salt as an adulterant of table salt, (29) 867.
minerals, (27) 805.	saits—see also Potash saits.
potassium silicate, (30) 412. potassium sulphate and kainit, (28) 710.	absorption by plants, (35) 433. salts, effect on—
soils, (27) 109; (28) 204.	ammonia fixing power of soils, (27) 323.
soils, (27) 109; (28) 204. vegetable ash, (38) 311.	Aspergillus niger, (28) 824.
distribution in renal cells, (30) 277. effect on—	bacterial flora of soils, (28) 815.
Aspergillus fumigatus, (29) 30.	catalase, (26) 504. composition of plants, (29) 419.
Aspergillus niger, (28) 527.	composition of plants, (29) 419. frost resistance in plants, (28) 38.
grapes, (31) 339. growth of tubercle bacilli, (29) 381. hydration and growth, (40) 818.	germination and growth of crops, (34) 125
hydration and growth. (40) 818.	hydrogen-ion concentration in soils, (39) 425. nitric-nitrogen accumulation, (40) 722.
yield of rubber, (31) 444.	plants, (32) 538.

Potassium—Continued.	Potato-Continued,
salts, effect on—continued.	black—continued.
purin metabolism, (28) 261.	scab, international control, (30) 537.
solubility of phosphates, (36) 626.	scab, notes, (32) 342.
equilibria in solutions, (39) 203, 204.	scab, studies, (26) 547. scurf, treatment, (40) 450, 734, 847.
extraction from silicate rocks. (29) 215	wart, notes, (27) 245.
fertilizing value, (28) 123; (30) 527. flocculating power in clay, (27) 620. fractional crystallization, (39) 204.	blackleg—
fractional envetallization (20) 620.	notes, (30) 197; (31) 641; (36) 250; (40) 449.
hygroscopicity, (35) 631.	studies, (36) 648; (39) 148, 456.
in salines of United States, (29) 214	treatment, (26) 546.
toxicity in soil, (36) 515.	blight—
separation from sodium, (29) 807. silicate, fertilizing value, (30) 527; (31) 820. silicate in phonolite, fertilizing value, (26) 728.	infection experiments, (34) 52. notes, (26) 143; (31) 641, 746; (36) 449; (39)
silicate, fertilizing value, (30) 527; (31) 820.	850.
suitate in phononie, fertilizing value, (26) 726.	prevalence in Ireland, (28) 151; (30) 539.
soil, studies, (27) 500. sulphate, as winter spray for fruits, (30) 641.	resistance to, (38) 828. treatment, (27) 735; (30) 539; (33) 97; (38)
sulphate, effect on—	treatment, (27) 735; (30) 539; (33) 97; (38)
activity of soil bacteria, (31) 821.	235. treatment with hot water, (34) 50.
carnations, (36) 446.	blossoms, color variation, (39) 535.
germination of seeds, (29) 328. marsh plants, (29) 531.	blossoms, secretion of stigmatic fluid by, (33)
powdery mildew infection, (33) 244.	233.
soil acidity, (37) 23: (38) 620.	blotch and streak disease, identity, (32) 239.
soil acidity, (37) 23; (38) 620. tomatoes, (29) 339.	Botrytis disease, (39) 250.
suipnate—	bread, recipes, (37) 364. brown streak and blossom abortion, (37) 549.
extraction from alunite, (26) 526.	cake, analyses, (36) 65.
extraction from foldspar, (28) 223, 282, fertillizing value, (26) 233, 329, 526, 536, 630, 639, 838; (27) 325, 530, 639; (28) 431; (29) 632, 829; (30) 437, 835; (31) 731; (32) 831; (33) 432; (35) 22; (36) 121, 425; (37) 229, 449, 527, 529, 729; (38) 32, 135, 218; (39) 518, 530, 637; (40) 515, 516, 523, 633, 725, 733, 734. for carnations and roses, (29) 840. citrus (ruits, (31) 634	canker—
639. 838: (27) 325. 530. 639: (28) 431: (29)	description, (32) 443.
632, 829; (30) 437, 835; (31) 731; (32) 831;	description, (32) 443. in Sweden, (33) 846. notes, (31) 243.
(33) 432; (35) 22; (36) 121, 425; (37) 229, 449,	notes, (31) 243.
527, 529, 729; (38) 32, 135, 218; (39) 518, 530,	studies, (26) 547.
637; (40) 515, 518, 532, 633, 725, 733, 734.	chine preparation (20) 414
citrus fruits, (31) 634.	club champions in 1913. (30) 399.
sweet potatoes, (31) 437.	clubs, suggestions for, (31) 793, 794.
tobacco, (31) 738.	collar rot, notes, (32) 442.
imports into United States, (31) 726.	contests for boys and girls, (28) 194.
nitrogen absorption capacity, (28) 325.	corky scab, notes, (34) 241; (35) 650.
preparation, (40) 801.	studies, (26) 547. treatment, (34) 247; (37) 249. chips, preparation, (29) 414. club champions in 1913, (30) 389. clubs, suggestions for, (31) 793, 794. collar rot, notes, (32) 442. contests for boys and girls, (28) 194. corky scab, notes, (34) 241; (35) 650. corky scab, notes, (34) 241; (35) 650. corky scab, notes, (31) 748; (38) 545. curly dwarf, notes, (31) 748; (38) 545. curly dwarf, studies, (36) 530; (37) 841. curly leaf, studies, (34) 450. diet, effects of, (34) 164. diggers, descriptions, (27) 191.
secondary and subsidiary effects, (30) 28.	curly dwarf, studies, (36) 530; (37) 841.
sulphid, effect on soil acidity, (37) 23. sulphocarbonate as an insecticide, (32) 246.	curly leaf, studies, (34) 450.
sulphur mixture, insecticidal value, (34) 60.	diet, effects of, (34) 164.
tellurate as a fly repellent, (26) 755.	diggers, descriptions, (27) 191.
toxicity toward plants, (30) 128.	diggers, tests, (27) 589.
Potato—	diggers, tests, (27) 559. disease, new, description, (33) 346. disease, new in Hawaii, (40) 644.
aphid— alternate hosts (30) 464	diseases—
alternate hosts, (39) 464. control by lady beetles, (34) 555. notes, (28) 554; (37) 761.	and pests, (38) 834.
notes, (28) 554; (37) 761.	conference on, (40) 846.
Dink and green, notes, (59) (61.	control, (39) 53, 355.
pink and green, studies, (34) 550; (37) 849; (38) 462; (40) 456.	control in Canada, (38) 646. description and treatment, (38) 549.
(38) 462; (40) 456.	differentiation, (30) 649.
relation to spinach blight, (39) 551. studies, (38) 654.	dissemination by seed, (36) 847.
Association of America, proceedings, (37) 800;	due to handling and storing methods, (39)
(40) 529.	149.
bacterial—	hill selection as a preventive, (33) 98.
diseases in Ontario, (37) 150. diseases, notes, (37) 652.	in Alaska, (39) 125, 127. Bermuda, (38) 149. Canada, (37) 533. Dutch East Indies, (37) 249.
discusses strudies (26) 947	Canada, (37) 553.
fibrovascular disease, notes, (26) 547.	Dutch East Indies, (37) 249.
diseases, studies, (26) 847. fibrovascular disease, notes, (26) 547. ring rot, studies, (32) 148. rot, notes, (27) 248.	Germany, (37) 150. Indians, (38) 250. Ireland, (37) 350. New Jersey, (40) 747. southern Idaho, (35) 751.
rot, notes, (27) 248.	Indiana, (38) 250.
rot, studies, (26) 846; (30) 48; (35) 349.	Now Jersey (40) 747
rot, notes, (27) 248. rot, studies, (26) 846; (30) 48; (35) 349. wilt, notes, (32) 50. beetle belowier in deserts (40) 860	southern Idaho, (35) 751.
beetle, behavior in deserts, (40) 860. beetle, Colorado—	Switzerland, (37) 47.
control by parasites, (37) 760.	Tasmania, (36) 846.
in Germany, (33) 158; (35) 57. life history, (34) 756. notes, (26) 865; (29) 252, 652; (33) 58; (34) 753; (37) 599; (38) 161, 653.	Western Australia, (33) 845.
life history, (34) 756.	EAS RAS. (20) 243, 544; (27) 100, 000, (20) 00, 140,
notes, (26) 865; (29) 252, 652; (33) 58; (34)	240, 448, 539, 647; (31) 52, 232, 543, 841; (32)
736; (37) 399; (38) 101, 003.	136, 544, 546, 642; (33) 52, 147, 544, 741, 849;
on Pacific coast, (31) 254. oviposition, (34) 655.	(34) 543, 744; (35) 48, 455; (36) 541, 746;
pigment and color pattern in. (26) 350.	(37) 37, 150, 538, 551, 652; (38) 535, 848;
pigment and color pattern in, (26) 350. relation to tomato leaf spot, (40) 644.	(39) 303; (40) 00, 154, 344, 449, 740, 844, 847.
remedies, (27) 161; (28) 59; (33) 358; (35) 661,	or Australia, treatise, (50) 25.
remedies, (27) 161; (28) 59; (33) 358; (35) 661, (39) 337, 853; (40) 330. beetle, remedies, (30) 852; (40) 734.	southern Idaho, (35) 761. Switzerland, (37) 47. Tasmania, (36) 846. Western Australia, (33) 845. notes, (26) 243, 844, (27) 150, 650; (28) 53, 148, 548, 646; (29) 141, 444, 549, 646; (30) 47, 240, 448, 549, 647; (31) 52, 222, 543, 841; (32) 136, 544, 546, 642; (33) 52, 147, 544, 741, 849, (34) 543, 744; (35) 48, 455; (36) 541, 746; (37) 37, 150, 538, 551, 652; (38) 535, 848; (39) 353; (40) 50, 154, 344, 449, 746, 844, 847, of Australia, treatise, (30) 48. physiological, (39) 148. diseases, relation to—
black—	seed trade, (28) 738.
canker or wart, (40) 848.	soil fungi, (39) 249.
canker, treatment, (31) 149.	temperature, (30) 649. weather, (28) 53.
dot disease, notes, (32) 146.	Westner, (20) 00.
heart, description, (33) 741.	marriage of Impropriate tions (07) 0/2: (01) E1-
heart, studies, (30) 149; (34) 242; (35) 349;	review of investigations, (27) 246; (31) 51; (38) 549.
(38) 835.	(00) 0200

Potato—Continued.	Potato—Continued.
discourse—continued	late blight—continued.
studies, (26) 142; (27) 446; (28) 545; (29) 549;	notes, (26) 143, 649; (27) 763; (28) 443; (29)
studies, (26) 142; (27) 446; (28) 545; (29) 549; (30) 148; (32) 239; (34) 443; (35) 48, 544; (39) 149, 249, 455.	445; (30) 747; (32) 413; (34) 50, 843; (35)
treatment, (26) 53, 233, 536, 631, 848; (27)	notes, (20) 143, 649; (27) 763; (28) 443; (29) 445; (30) 747; (32) 443; (34) 50, 843; (35) 150, 246; (36) 49, 145, 250; (37) 895; (38) 235, 649; (40) 154, 748, 845, 847.
treatment, (26) 53, 233, 536, 631, 848; (27) 151, 334; (28) 53, 238, 433; (29) 146, 242, 336; (29) 44, 45, 45, 45, 45, 45, 45, 45, 45, 45,	008pores of, (29) 816.
(32) 444, 545; (35) 652; (36) 47, 49; (39) 52. distillery refuse—	relation to tomato hlight, (28) 747.
for sheep and cattle, (31) 766.	relation to weather, (36) 146. resistant strain, (39) 754.
nutritive value, (32) 168.	secondary infection, (30) 847.
dry rot, description, (36) 250. dry rot, notes, (32) 48.	spread from seed potatoes, (31) 447.
dry rot, studies, (29) 47; (39) 250, 651.	studies, (27) 514; (28) 648; (29) 550; (35) 349; (36) 749; (39) 249, 250, 650,
dry rot, studies, (29) 47; (39) 250, 651. dry spot, description, (35) 547. drying, (37) 491, 800; (38) 207; (40) 116.	studies, (27) 514; (28) 4/8; (29) 550; (35) 349; (36) 740; (39) 249, 250, 650. treatment, (27) 446, 748; (28) 819; (29) 242, 549; (32) 313, 642; (33) 712; (35) 832; (35) 515; 740; (38) 337 640, 112; (37)
drying, (31) 491, 800; (38) 201; (40) 110. drying—	549; (32) 313, 642; (33) 712; (35) 832; (37) 551, 749; (38) 352, 549, 848; (39) 148, 853.
in Hawaii, (39) 208.	varietal resistance to, (31) 643.
industry in Germany, (26) 414; (28) 512; (29) 209; (30) 671; (32) 315; (33) 715.	varieties resistant to, (27) 35; (28) 52.
(29) 209; (30) 671; (32) 315; (33) 715. industry, progress in. (29) 509.	leaf blotch, investigations, (32) 342. leaf burn, relation to leaf-hopper, (40) 353.
industry, progress in, (29) 509. notes, (26) 117.	leaf curl, notes, (26) 416.
early blight—	leaf curl, studies, (40) 347.
notes, (38) 235, 649. remedies, (40) 330. studies, (38) 451; (39) 248; (40) 347.	leaf roll— bibliography, (30) 243.
studies, (38) 451; (39) 248; (40) 347.	diseases, notes, (31) 443.
treatment, (37) 50. varietal resistance to, (31) 643.	effect on product, (40) 251.
eelworm life history (22) 900	history, (28) 648.
exhibits, (35) 899.	notes, (26) 648; (27) 247; (28) 52, 848; (29)
exhibits, (35) 899. farms in New Jersey, (40) 299. farms, profits on, (36) 492, 893. field rot, studies, (35) 455.	inhory, (25) 548. inhoritánce, (27) 150. notes, (26) 645; (27) 217; (28) 52, 848; (29) 150, 550; (30) 649; (31) 62, 149, 345, 543; (32) 342, 343, 642; (38) 545. studies, (26) 547; (27) 351, 447, 650; (28) 150, 818; (29) 40, 216, 347; (30) 48, 243, 539; (35) 247; (30) 147, 530, 847; (37) 249; (40) 347, 543.
field rot, studies, (35) 455.	(32) 342, 343, 642; (38) 545.
neigs, weed control in, (40) 556.	150, 818; (29) 10, 216, 347; (30) 48, 243, 539;
flakes— analyses, (27) 872; (29) 470; (31) 766, 864.	(35) 247; (36) 147, 530, 847; (37) 249; (40)
and flour, manufacture, (39) 718.	347, 543. leafhopper causing leaf burn, (40) 353.
for horses, (26) 668. for pigs, (26) 167.	leak, studies, (35) 751.
preparation, (29) 414; (33) 162.	leak, studies, (35) 751. leak, treatment, (38) 149.
flea-beetle	leaves, albuminous crystalloids in, (33) 824. leaves and stalks, starch degradation in, (36)
in Colombia, (37) 765.	126.
injurious to tobacco, (31) 452. notes, (29) 761; (32) 550; (33) 352; (34) 158.	leaves, invertase of, (35) 334.
relation to tomato leaf spot. (40) 645.	malnutration disease, notes, (37) 752.
remedies. (34) 361.	material, oxidase activity, (37) 9. midge in Maine, (38) 60.
studies, (29) 258; (35) 253.	mildew, treatment, (39) 148.
analyses and use in bread making, (39) 870.	mosaic disease — effect on yield, (37) 752, 842,
baking experiments, (26) 156.	effect on yield, (37) 752, 842. notes, (40) 847.
digestibility, (33) 361. industry in Germany, (26) 809.	studies, (31) 52; (30) 530; (37) 47; (38) 149. transmission by tubers, (33) 850.
preparation, (33) 162.	moth, notes, (26) 59; (27) 456; (28) 355,
use, (32) 560; (34) 365.	moth, notes, (26) 59; (27) 450; (28) 355, moth, remedies, (34) 651.
foliage—	nematode diseases, treatment, (36) 150. nitrogen, nutritive efficiency, (38) 567.
composition and feeding value, (34) 565, 664.	peelings, analyses, (38) 626.
for sheep, (30) 613.	peelings, dried, analyses, (33) 568.
hay, composition and feeding value, (33)	pink rot, resistance to, (39) 250. pink rot, studies, (31) 543.
fungi, infection experiments with, (27) 247.	plant, anatomy, (39) 629. plant, composition at various stages, (40) 240.
Fusarium—	plant, composition at various stages, (40) 240.
blight or wilt, notes, (26) 209.	plant, filosity in, (35) 49. planters, tests, (34) 88, 788. poisoning, studies, (34) 164.
blight under irrigation, (40) 847. disease, notes, (38) 548.	poisoning, studies, (34) 164.
diseases, studies, (33) 849.	powdery dry rot, treatment, (28) 848; (35) 847 powdery scab—
rots and wilts, (40) 449.	description, (31) 140.
tuber and stem rot, (36) 146. wilt, treatment, (38) 848.	description, (31) 140. in Maine, (29) 550. Oregon, (33) 550.
gravy eye or mattery eye, (39) 250. greens as stock feed, (27) 775.	
greens as stock feed, (27) 775. haulms as hay and silage, (32) 258.	West Virginia, (37) 549. native habitat, (34) 645. notes, (29) 448; (31) 243, 842; (32) 49; (33) 146; (36) 145; (40) 746. quarantine in United States, (36) 245, 250. studies (36) 48, 240; (38) 240
internal brown streak, studies, (32) 238.	native nabital, (34) 645.
ladybird beetle, notes, (36) 654.	146; (36) 145; (40) 746.
affecting tomatoes, (29) 246.	quarantine in United States, (36) 245, 250.
breeding resistance to. (28) 632.	studies, (36) 48, 249; (38) 249. treatment, (29) 549; (32) 147; (34) 247.
description and treatment, (29) 549; (38)	press cake, preparation and use, (36) 367.
549. factors affecting germination and infection.	press cake, preparation and use, (36) 367. products, feeding value, (40) 875. products for pigs, (26) 668.
(27) 151.	products for pigs, (26) 668.
fingus germination and infection (24) 24e	protein, hydrolysis, (26) 801. pulp, acidity, (35) 770.
fungus, persistence in the soil, (30) 49. hibernation of fungus, (34) 155. in Bohemia, (33) 851. in Cuba, (33) 446. in India, (38) 753.	Pythium debaryanum in, staining, (39) 248.
in Bohemia, (33) 851.	refuse— digestibility, (31) 767.
in Cuba, (33) 446.	dried, analyses and digestibility, (32) 168.
infection experiments. (29) 1.53	effect on milk, (34) 471.
infection experiments, (29) 153. mode of infection, (26) 53.	nutritive value, (29) 665. steaming and ensiling, (31) 467.

Potato-Continued.	Potato—Continued.
Rhizoctonia disease—	tuber, special growth-promoting substance, (39)
in New Jersey, (36) 147. notes, (30) 845; (36) 145; (37) 753; (40) 746.	629.
staties, (32) 147; (34) 350; (37) 653, 654; (38)	tuber worm— insensitivity to poisons, (31) 756.
250. trentment, (32) 441; (36) 49; (40) 847.	life history and remedies, (27) 57.
root rot, description, (32) 50.	notes, (28) 655; (27) 53; (28) 160, 355, 555; (34) 250, 851.
root 10t, notes, (26) 416, (29) 415.	parthenogenesis and oviposition of. (30) 55.
rot due to Phytophthera infestans, (38) 249. rot, notes, (26) 64s; (30) 243; (31) 145; (32) 343;	remedies, (33) 351; (34) 654; (35) 358. studies, (30) 550.
(34) 50.	tubers—
rot, prevention, (26) 312.	frost necrosis, (37) 842.
rot, studies, (29) 550; (37) 651. rust, notes, (40) 814.	morphology and histology, (29) 628. production above ground, (35) 523.
rust spot, internal, (10) 818.	respiration as affected by loss of water, (39)
as affected by fertilizers, (32) 750.	731.
notes, (30) 539, 748; (31) 243; (32) 48, 239, 443; (37) 551; (35) 149; (40) 48.	tyrosinase, notes, (35) 414. Verticillium diseases, (37) 49; (39) 250, 852.
143; (37) 551; (35) 149; (40) 48. organism as affected by acidity, (40) 641.	Verticillium wilt, studies, (33) 244.
organism, passage through digestive tract	warehouse, cooperative, in Wisconsin, (28) 395. warehouse, plans, (28) 385.
organism, passage through digestive tract of animals, (23) 548.	wart, black, notes, (40) 848.
relation to beet seab, (33) 547. relation to higher bacteria, (27) 650.	wart dise se— control in Great Britain, (31) 149.
relation to temperature, (43) 215. relation to temperature, (43) 215. studies, (27) 218; (32) 546. treatment, (26) 312, 710; (27) 349; (29) 646; (30) 139, 150, 549, 540; (32) 113, 141; (33) 216; (34) 155, 714; (30) 818; (39) 755, 851; (40) 734, 817.	in England, (33) 850.
studies, (27) 218; (32) 546. treatment (26) 112 710: (27) 340: (29) 646:	in Pennsylvania, (40) 157, 543, 848.
(30) 139, 150, 539, 540; (32) 143, 441; (33)	notes, (26) 214, 445; (28) 243, 648; (30) 845; (35) 150, 649; (37) 753; (38) 546.
216; (34) 155, 714; (36) 818; (39) 755, 851;	quarantine in United States, (36) 245.
treatment, effect on seed vitality, (32) 230,	resistant strains, (40) 630, studies, (27) 351; (29) 448, 449; (34) 844; (39)
210.	119.
varietal resistance to, (31) 643. sclerotia, treatment, (40) 746.	treatment, (31) 842; (32) 414; (33) 446. weevils from Andean South America, (30) 459.
silago—	weevils, notes, (38) 864.
analyses, (31) 864.	wilt and tuber rot, studies, (36) 648.
composition and digestibility, (31) 467. notes, (38) 207.	wilt, studies, (38) 149; (40) 51. Potatoes—
preparation, (37) 800.	abnormal root formation in, (29) 217.
silver scurf — description (32) 50	absorption of copper fungicides by, (28) 648. accumulation of sugar in, (29) 219.
description, (32) 50. in Salt Lake Valley, (32) 643.	aerial tuber on, (31) 529.
notes, (32) 547; (36) 145. studies, (29) 347; (35) 453; (36) 514.	nerial tuber on, (31) 529. after-ripening, (20) 626; (30) 825. air-dried, as a feeling stuff, (36) 367.
skins, impermeability, (29) 628.	alconol from, (28) 715.
skins, isolation of fat from, (29) 459.	amyloclastic activity, (34) 428. analyses, (26) 363, 770; (27) 570; (31) 65, 433, 864.
sorters, tests, (27) 589. spindling sprout, notes, (33) 52, 316; (39) 630.	applying fertilizing solutions to aerial portions,
spindling sprout, studies, (36) 530; (38) 249. sprayers, tests, (29)) 292.	(30) 129.
sprayers, tests, (29)) 292. stalk boror notes (26) 253: (35) 657	as affected by— boiling and steaming, (28) 363.
stalk borer, notes, (26) 253; (35) 657. stalk disease, studies, (40) 49.	Bordeaux mixture, (36) 147. copper fungiddes, (28) 247. ether, (26) 127. Fusarium, (35) 246. guanidin, (28) 427.
stalk or scierotium disease, notes, (31) 539.	copper fungicides, (28) 247.
stalks and berries for slicep, (28) 571. starch—	Fusarium, (35) 246.
and dextrin, manufacture, (38) 207.	guanidin, (28) 427.
baking tests, (34) 400. color reaction, (10) 411. effect on quality of dough, (26) 761.	manganese, (35) 634. poisoning, (33) 329. potash, (31) 333.
effect on quality of dough, (26) 761.	potash, (31) 333.
farm manufacture, (37) 800. preparation, (33) 162.	precipitation and temperature, (28) 41.
refuse for cows and pigs, (28) 372.	solanin, (28) 528.
studies, (31) 828.	soil moisture, (36) 336. solania, (28) 528. storage, (29) 230. sulphuric acid in irrigation water, (29) 330.
stem borer in Nova Scotia, (39) 160. stem lesions, studies, (39) 649.	water level, (26) 620. as basal feed for pigs, (30) 269.
stem rot, notes, (20) 446.	as basal feed for pigs, (30) 269.
stems, Rhizoctonia lesions on, (33) 548, storage rot, notes, (31) 345; (32) 547; (38) 298.	food, (36):560. poultry food, (33) 98. substitute for cereals, (38) 166. wheat substitute, (39) 67, 870. ash analyses, (29) 861. assimilation of nitrogen by, (26) 319. black discoloration of flash, (28) 648.
storage rot, studies, (32) 441.	substitute for cereals, (38) 166.
survey in New York, (31) 225. tipburn and early blight, treatment, (37) 753.	ash analyses. (29) 861.
tipburn, notes, (32) 544.	assimilation of nitrogen by, (26) 319.
tops, drying, (27) 775.	
tops, feeding value, (29) 665; (38) 168. tuber diseases, descriptions and treatment, (29)	blindness in. (26) 847.
549.	brooding (26) 628
tuber diseases, notes, (30) 847. tuber moth—	breeding experiments, (30) 233, 338; (33) 233;
in California, (40) 56.	breeding experiments, (30) 233, 338; (33) 233; (34) 634; (36) 336; (37) 827; (39) 534, 740. bud mutations, (27) 230. bushel weights, (37) 889.
investigations, (36) 655. notes, (29) 855.	bushel weights. (37) 889.
on imported potatoes, (39) 58.	calcium oyanamid for, (31) 524. catalytic fertilizers for, (27) 629.
remedies, (29) 555.	catalytic fertilizers for, (27) 629.
tuber rot— and wilt, studies, (35) 246; (30) 846.	changes in during— drying, (33) 661.
notes, (35) 653.	drying, (33) 661. rest period, (36) 136, 633. sprouting, (30) 825.
studies, (34) 246; (38) 149, 235.	Shinger Hab. (an) 050.

```
Potatoes—Continued classification and description, (32) 830. classification of varieties, (27) 31. cold-storage, diastase activity, (33) 315. composition as affected by—irrigation, (28) 332. sodium salts, (28) 420. conservation for stock food, (35) 505. continuous culture, (27) 734. cooking tests, (32) 481. correlations in, (39) 541. cost of distribution, (29) 492. cost of production, (26) 190; (32) 530, 688; (33) 831; (36) 232, 492; (37) 191. cover crops for, (39) 755. critical period of growing scason, (39) 811. cull, feeding value, (38) 168. culture, (20) 740; (27) 196, 298, 337, 738; (28) 738; (29) 194, 336, 395, 535, 830; (30) 39, 832; (31) 231, 232, 435, 528; (32) 136, 738; (33) 40, 98, 398, 63; (34) 36, 528, 630; (36) 498, 631; (38) 437, culture—
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Potatoes—Continued.
diseased, yields, (26) 586.
distribution of Fusaria on, (27) 247.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     dried—
analyses, (26) 770.
antiscorbutic properties, (40) 172.
digestibility, (26) 463.
for pigs, (38) 473.
notes, (35) 505.
use in bread making, (32) 252.
dusky leaf bug affecting, (32) 57.
dusting and spraying experiments, (36) 855.
elworm-infested, (40) 51.
offect of change of seed, (33) 331.
effect on—
composition of following wheat area.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               dried-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      effect of change of seed, (33) 331.
effect on—
composition of following wheat crop, (34)
230.
composition of urine, (31) 761.
following crop, (32) 223; (38) 337; (40) 623.
intestinal flora, (40) 867.
nitrate content of soils, (28) 818.
soil bacteria, (37) 421.
soil moisture, (28) 321; (34) 17.
electroculture experiments, (26) 835; (27) 231;
(30) 828; (31) 428; (39) 230; (40) 428.
endophytic endodermal fungus in, (32) 643.
ensiling, (32) 364, 567.
ensiling with lactic acid, (33) 268.
extraction of starch from, (28) 208.
factors affecting culinary quality, (30) 63.
factors affecting culinary quality, (30) 63.
factors affecting lealth, (34) 746.
false chinch-bug on, (30) 760.
feeding for cheese production, (29) 475.
feeding value, (37) 800.
ferrous sulphate as top dressing for, (30) 735.
fertilizer experiments, (26) 31, 232, 324, 329, 422
423, 424, 425, 428, 522, 536, 631, (36, 727, 817, 836
(27) 32, 125, 137, 321, 324, 421, 422, 530, 626, 628
629, 724; (28) 230, 431, 520, 535, 723, 735; (29)
23, 125, 129, 213, 227, 228, 813, 830, 427, 635, 727,
821; (30) 38, 124, 134, 220, 229, 327, 528, 626,
820, 821, 832; (31) 31, 36, 41, 129, 133, 328, 331,
421, 431, 820, 822, 839, 833; (32) 132, 326, 431,
739; (33) 32, 219, 237, 286, 326, 517, 625, 728,
831; (34) 24, 294, 518, 519, 622, 723, 820; (35) 34,
126, 218, 323, 425, 427, 430, 519, 629, 724; (36)
25, 121, 132, 217, 220, 425, 529; (37) 138, 216, 228,
337, 436, 521, 533, 635, 739; (38) 32, 220, 462,
433, 520, 540, 634, 820; (39) 130, 230, 327, 328,
334, 427, 435, 621, 625, 738 740; (40) 126, 134,
229, 330, 331, 332, 421, 431, 434, 516, 524, 621,
622, 725, 734, 735.
fortilizer experiments under irrigation on sandy
soils, (33) 286.
fertilizers for, (32) 335.
fortilizer experiments under irrigation on sandy
soils, (33) 286.
forting swine, (35) 376.
horses, (28) 363.
let planting, (37) 436.
milk production, (35) 174.
pigs, (31) 667; (38) 372, 535.
recropping sugar-beet land, (40) 431.
forcing by electricity, (26) 136.
forting decayed, starch from, (39) 802.
frozed and decay
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        composition of following wheat crop. (34)
                                                 231, 232, 435, 528; (32) 138, 738; (33) 40, 98, 398, 636; (34) 36, 528, 630; (36) 498, 531; (33) 437, 535, 835; (39) 834.

culture—
    clubs in Idaho, (27) 395.
    clubs, notes, (28) 899.
    contests in Canada, (31) 194.
    experiments, (26) 38, 233, 329, 422, 536, 631, 736; (27) 333, 430, 638, 735, 333; (28) 135, 230, 532; (29) 137, 138, 226, 330, 331, 426, 427; (30) 138, 632, 282, (31) 44, 440, 732, 829; (32) 36, 132, 229, 430, 431, 526, 528, 529, 530; (33) 31, 632, 731, 830, 834; (34) 228, 229; (33) 229, 341, 527; (36) 32, 1322, 228, 231, 336, 440, 636; (37) 30, 32, 37, 135, 228, 231, 336, 440, 636; (37) 30, 32, 37, 135, 228, 338, 436, 825; (38) 132, 336, 432, 633, 634, 735, 825; (39) 227, 230, 334, 452, 437, 632, 740, 334; (40) 429, 434, 625, 630, 732, 735.

for forage, (33) 34.
    implements and machines for, (33) 891.
    in Alaska, (29) 735; (39) 125, 127, 137.
    Argentinn, (37) 823.
    California, (37) 139.
    Canada, (39) 537.
    Colorado, (37) 37; (39) 341.
    Florida, (30) 528; (36) 835.
    Germany, (30) 139.
    Georgia, (34) 435.
    Hawaii, (32) 730.
    India, (32) 131; (39) 230.
    Ireland, (20) 41.
    Isle of Pines, (30) 528.
    Kansas, (30) 735.
    Maine, (33) 736.
    Mebriska, (39) 528.
    Kansas, (30) 735.
    Msine, (30) 735.
    Msine, (30) 735.
    Msine, (30) 735.
    Msine, (30) 735.
    New Mexico, (40) 18.
    northern and western States, (37) 538.
    sund hills of Nebraska, (35) 827.
    Scotland, (30) 735.
    South Dakota, (39) 341.
    southwestern Russia, (37) 338.
    Washington, (37) 139.
    West Virginia, (29) 744.
    Wisconsin, (28) 738; (31) 736; (37) 442.
    on irrigated land, (26) 636.
    on moor soils, (39) 438; (40) 523.
    on muck soils, (33) 33.
                                                                                                              Wisconsin, (28) 738; (31) 736; (37) 442. on irrigated land, (26) 636. on mor soils, (39) 438; (40) 523. on muck soils, (33) 33. poster on, (39) 138. treatise, (38) 235; (40) 36, 439, 828. under dry farming, (28) 533; (30) 435; (33) 632; (36) 528, 529. under glass, (37) 643. under brigation, (28) 839; (34) 528; (37) 830; (39) 442. with fruit trees, (33) 534. incorpora heteral attacking, (29) 455.
                                                     with fruit trees, (33) 534.

Cytospora batata attacking, (39) 456.
damaged, drying, (30) 613.
degeneration, (36) 530; (38) 535.
desiccated, use, (27) 210.
desirable types, (31) 643.
determination of disease resistance in, (27) 545.
distary value, (37) 800; (40) 172.
digestibility, (28) 300, 564.
disease resistance in, (26) 836; (38) 235.
disease-free, production, (35) 751.
diseased, examination, (27) 207.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          in a cave, (31) 521
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              acetylene gas, (27) 827.
```

Potatoes—Continued.	Potatoes-Continued.
growth—continued.	production—continued.
in artificial light, (28) 735. relation to temperature and moisture,	in United States, (26) 293.
(40) 19.	1918 program, (38) 834. propagation by cutting, (36) 636.
shade, (29) 130. of basal and terminal buds, (39) 536, 629.	protection against frost, (27) 421.
on acid soil, (40) 324.	purin content, (40) 205. quality as affected by weather, (26) 415.
hail injury to, (35) 734.	quarantine regulations, (31) 149.
handling and marketing, (36) 136. handling and storing, (39) 149.	radioactive fertilizers for, (31) 129; (35) 628. raising, illustrated lecture, (39) 498.
harvesting and storing, (30) 197; (36) 336.	rate of seeding tests, (27) 335.
narvesting experiments, (26) 836.	raw, antiscorbutic value, (40) 565.
hereditary characters in, (28) 632. home-mulched v. northern seed, (32) 631; (33)	rejuvenescence, (30) 730; (40) 732. relation between size of seed and yield, (26) 434.
330,	relation of nitrogen to protein content. (28) 636.
hypertrophy-structure in, (27) 151. identification of varieties, (33) 297.	relation of tops to roots, (31) 733. relation to climate, (28) 27.
immature, for seed, (37) 337.	relative yielding capacity, (40) 625.
importance of clean seed, (37) 96.	removal of blossoms, (40) 138.
improvement, (26) 437, 636; (28) 43; (32) 830; (38) 827.	respiration and decay, (29) 565; (32) 111. respiration investigations, (34) 523.
improvement by seed selection, (32) 230, 630.	rest period in, (30) \$25; (32) 129; (36) 223; (40) 224, root systems of, (31) 515.
improvement, tuber-unit method, (28) 835. in the dietary, (33) 695.	rotation experiments, (33) 429, 829; (36) 528, 829;
ingrowing sprouts of (26) \$28. (28) 734	(38) 129; (40) 229, 331, 430, 734. score card for, (28) 43.
inheritance of high starch content, (27) 500.	score card for, (28) 43. second crop, (39) 341.
240, 753; (31) 232; (33) 352; (36) 550; (37) 157;	seed-
inheritance of high starch content, (27) 500. insects affecting, (26) 553, 631; (29) 259, 336; (30) 240, 753; (31) 232; (33) 352; (36) 550; (37) 157; (38) 555; (39) 358, 461, 466, 861; (40) 753. internal spotting, (27) 349.	certification, (33) 336; (38) 535; (40) 846.
irrigated, manuring experiments, (40) 421	certification in Germany, (34) 444. cold storage v. cellar storage, (29) 336.
irrigation, (28) 484; (29) 736; (31) 328; (39) 442.	
interial spotting (27) 549. irrigated, manuring experiments, (40) 421. irrigation, (28) 484; (29) 786; (31) 328; (39) 442. irrigation experiments, (27) 531; (28) 130, 133, 135, 230, 588, 827; (29) 32, 138, 182, 226, 425, 426; (32) 37, 186, 225, 531; (33) 286, 827, 884; (34) 229, 721; (35) 636; (36) 35; (37) 30, 37, 84, 740, 822; (38) 320, 633; (39) 132; (40) 331. judging, (36) 97. lady beetles affecting, (30) 255	disinfection, (32) 528.
(32) 37, 186, 225, 531; (33) 286, 827, 884; (34) 229.	for Ontario, tests, (39) 838.
721; (35) 636; (36) 35; (37) 30, 37, 84, 740, 822;	formaldehyde disinfection, (30) 539, 540.
(38) 320, 633; (39) 132; (40) 331.	from sprayed plants. (40) 732.
and bottom antounds, (ou) noor	Government farm in India, (40) 625.
lessons on, (28) 598. liability to disease, (40) 157.	growing in Nova Scotia, (38) 646.
lightning injury, (33) 345; (40) 645.	improvement, (29) 230; (37) 823.
lime for, (28) 223.	cutting and sprouting, (40) 135. disinfection, (32) 528. for fall planting, (38) 535. for Ontario, tests, (39) 538. formaldebyde disinfection, (30) 539, 540. from light soils for heavier soils, (33) 531. from sprayed plants, (40) 732. Government farm in India, (40) 625. growing in Nova Scotis, (38) 646. handling and storing, (28) 638. improvement, (29) 230; (37) 232. inspection and certification, (31) 345. inspection in Wisconsin, (31) 736.
liming experiments, (29) 223; (37) 733. lining and loading cars, (40) 138.	judging. (28) 243.
loss in boiling, (34) 660.	local v. imported, (29) 331; (40) 434. peelings and cuttings for, (40) 138.
manurial value of tops, (39) 836.	peelings and cuttings for, (40) 130.
market types, (38) 535. marketing, (31) 893; (33) 40, 693; (34) 288; (38)	plat method of improvement, (39) 740. preparation, (39) 536, 740; (40) 135, 630. production, (37) 753, 800; (39) 841.
535, 834.	production, (37) 753, 800; (39) 841. production and handling, (29) 141.
marketing cooperatively, (29) 392; (33) 491; (34) 288.	propagation, (39) 534.
methods of analysis, (28) 510.	propagation, (39) 534. selection, (28) 535, 738; (29) 37; (30) 197, 228,
methods of variety testing, (26) 436. microscopic tests, (27) 341.	637; (34) 338, 494; (35) 396, 696; (36) 638, selection and preparation, (32) 739.
mulching experiments, (33) 526,	selection and preparation, (32) 739. selection and treatment, (31) 333.
mutation in, (31) 137. nomatodes affecting, (26) 748.	sprouted v. unsprouted, (28) 535; (30) 333, 832.
new nematode infesting, (38) 147.	sprouting before planting, (32) 35; (33) 331;
notes, (29) 338.	(34) 530. storage, (38) 437.
on Caribou loam, (39) 335. origin, (26) 529; (31) 137, 833.	tests, (39) 131, 334, 337, 535, 740.
origin and early culture, (38) 332, 535.	treatment, (39) 337, 740, 755; (40) 51, 450, 734,
origin of cultivated varieties, (28) 530.	746, 847. seeding experiments, (29) 224, 226, 425; (30) 134;
osmotic pressure in, (30) 228. oxidases in, (26) 547; (31) 748. Pearl, bastard type, (31) 833. phloem necrosis in, (33) 52.	(33) 227; (38) 132, 534; (39) 127, 337, 536; (40)
Pearl, bastard type, (31) 833.	732, 734. seeding experiments with skins, (39) 537.
phosphorus content, (27) 461.	seedling, culture, (31) 643.
physiological abnormalities of, (30) 747.	selection, (38) 197; (39) 541. selection experiments, (33) 233, 526, 698; (37) 32.
planting—	228, 240; (38) 433; (39) 740; (40) 429, 523.
dates, (37) 317, 732; (40) 31, 431. dates and distances, (40) 630.	selection of edible types, (30) 39.
experiments, (26) 833; (31) 132; (37) 538; (38)	sensitivity to poison, (35) 457. small v. large tubers for planting, (33) 834.
634.	Solonum commerconii resembling, (28) 130.
whole v. cut tubers, (38) 534. potash fertilizers for, (26) 526.	spraying, (20) 194; (37) 538; (38) 135; (39) 345, 541; (40) 747, 748.
potash hunger, (37) 800.	spraying-
preparation for exhibition, (28) 738. preservation, (39) 316.	experiments, (27) 237, 738; (28) 346, 433; (29) 845; (30) 49, 449, 847; (31) 137; (32) 158, 229,
preservation by pressure, (32) 410.	431, 444, 547; (33) 40, 336; (35) 527, 831; (36)
preservation with factic acid starter, (31) 467.	431, 444, 547; (33) 40, 336; (35) 527, 831; (36) 49, 847; (37) 228; (38) 235; (39) 337, 755, 853.
production— and consumption, (39) 838.	v. dusting, (32) 551; (33) 338, 636; (34) 158. with Bordeaux mixture, (26) 548.
in 1911, (26) 595.	with lime arsenate, (40) 164.
in United Kingdom, (26) 793.	sprouted, food poisoning by, (40) 557.

Potatoes—Continued.	Potatoes—Continued.
sprouting— as affected by chemicals, (32) 829.	winter storage, (35) 495. wound stimulation and closure in, (26) 826.
in relation to soil moisture, (35) 527.	yield as affected by—
tests, (26) 330. starch content. (35) 108.	color of seed, (33) 433. hilling, (29) 431.
starch content, (35) 108. steamed and dried, for pigs, (30) 470.	removal of tops, (37) 138.
steamed, composition and digestibility, (31) 467. steaming and ensiling, (31) 467.	hilling, (29) 431. removal of tops, (37) 138. size of soed, (28) 232; (36) 231. source of seed, (29) 730; (31) 833.
storage, (29) 090; (38) 59; (39) 110.	WILLE-DIGLES, (20) 40.
storage— and marketing, (36) 195.	yield— in relation to rainfall, (34) 319.
	in relation to weather, (33) 716; (35) 618;
experiments, (29) 425; (38) 835; (39) 639.	(38) 317. on alfalfa stubble, (33) 828.
collars, (19) 191. collars, description, (38) 391. experiments, (29) 425; (38) 835; (39) 639. house, plans, (38) 137. in sand, (31) 736. stored, chemistry of, (32) 111.	yields, (20) 228; (10) 735.
stored, chemistry of, (32) 111.	Potentilla fruiticosa, notes, (29) 741. Poterium canadense, analyses, (27) 371.
	Potomac River -
studies for schools, (27) 196. subsoiling experiments, (37) 732.	pollution of, (35) 286. sediments, analyses, (30) 223.
sugar in, (33) 223, 310.	Potsherds, effect on nitrification, (40) 21.
surplus, utilization, (31) 149.	Poudrette, fertilizing value, (27) 337; (29) 129; (35) 135, 323.
subsolling experiments, (37) 732. sugar in, (33) 223, 310. sulphur as fertilizer for, (30) 139. surplus, utilization, (31) 149. susceptibility to diseases, (28) 535. susceptibility to Irish blight, (26) 636. swamp, description and culture, (36) 637.	Poudro, analyses and fertilizing value, (30) 26.
swamp, description and culture, (36) 637.	Poultry—see also Chickens, Ducks, Fowls, Hens etc.
Symplosis and tuberization in, (30) 130.	accounts, (37) 690.
testing disease-resistant qualities, (28) 53. thinning and spacing experiments, (33) 526.	animal food for, (33) 572. appliances, construction, (27) 773.
thinning experiments, (34) 736.	appliances, construction, (27) 773. appliances, description, (33) 783; (34) 377.
translocation of mineral constituents, (34) 427. transpiration as affected by sprays, (31) 825.	artificial insemination, (31) 474. artificial light for, (40) 280. as a food stuff, (28) 459.
transportation regulations, (30) 346. treatise, (28) 738; (33) 531; (37) 533, 543, 645.	as a food stuff, (28) 459.
treatment with—	as affected by— rations from single plant sources, (33) 368.
corrosive sublimate, (29) 242.	restricted rations, (36) 866.
formaldehyde, (27) 650. liquid air, (38) 128.	as commercial enterprise, (39) 480. associations, county, notes, (28) 795.
liquid air, (38) 128. tuber color in, (36) 147. tuber color in, (36) 147.	ussociations, county, notes, (28) 795. associations, notes, (27) 400.
tuber formation in, (27) 224; (30) 332. tuberous growth at expense of roots, (35) 330.	barred breeds, history, (27) 72. bibliography, (26) 669; (28) 599; (33) 575. breeders in Montana, (36) 473.
use as food, (33) 364. use in bread making, (33) 162, 865; (40) 556, 863,	breeders in Montana, (36) 473. breeding, (31) 509.
864.	breeding—
utilization, (38) 535. utilization in Europe, (32) 830.	and management, (33) 77; (36) 668. contest, (37) 71; (39) 780. experiments, (26) 168; (30) 571; (32) 571; (34),
v. artichokes for forage, (31) 433.	experiments, (26) 168; (30) 571; (32) 571; (34),
valuation, (26) 710. variations in, (26) 433.	177; (37) 768. for egg production, (28) 571; (29) 874.
varietal response to Bordeaux mixture, (31) 643. varieties, (28) 233, 331, 424, 437, 506, 630, 631, 636, 838; (27) 32, 35, 334, 530, 531, 532, 637, 736, 833; (28) 431, 535, 636, 827; (29) 138, 222, 226, 228, 336, 425, 426, 427, 530, 630, 635, 735, 736, 830; (30) 38, 139, 228, 333, 434, 525, 735, 829; (31) 42, 133, 333, 430, 438, 528, 732, 733, 829, (32) 35, 36, 41, 132, 225, 229, 333, 431, 528, 529, 530, 539, 630, 738, 827; (33) 330, 728; (34) 231, 734; (35) 229, 637, 742; (36) 32, 36, 37, 132, 136, 228, 231, 435, 436, 437, 529, 636, 735; (37) 30, 32, 41, 131, 135, 138, 227, 329, 338, 435, 436, 531, 645, 825; (38) 31, 32, 34, 132, 229, 336, 432, 433, 436, 632, 634, 828, 835.	for standard and utility values, (40) 876.
636, 836; (27) 32, 35, 334, 530, 531, 532, 637,	from selected stock, (38) 775. in South Australia, (26) 168.
736, 833; (28) 431, 535, 636, 827; (29) 138, 222, 225, 226, 228, 236, 425, 426, 427, 530, 630, 635	review of literature, (29) 276; (34) 268. breeds—
735, 736, 830; (30) 38, 139, 228, 333, 434, 525, 735,	class study. (39) 397
829; (31) 42, 133, 333, 430, 438, 528, 732, 733, 829, (32) 35, 36, 41, 132, 225, 229, 333, 431, 528, 529.	modern, (29) 471. origin and history, (27) 572.
530, 539, 630, 738, 827; (33) 330, 728; (34) 231,	building at Cornen Chiversity, dedication,
136, 228, 231, 435, 436, 437, 529, 636, 735; (37)	(29) 70. buildings
30, 32, 41, 131, 135, 138, 227, 329, 338, 435, 436,	at Ohio Station, (31) 472,
433, 436, 632, 634, 828, 835.	description, (26) 591. Bustin Black Pretors, notes, (31) 270.
varietics— for Michigan (37) 538	canning, (38) 715.
for Michigan, (37) 538. South Dakota, (39) 341.	canning, (38) 715. caponizing, (29) 168. care and feeding, (28) 173.
Washington, (40) 741. Wisconsin, (28) 42. identification, (40) 631.	care and management, (29) 371; (30) 872; (31) 769; (32) 173; (34) 377, 569, 660, 770; (35) 172, 275; (39) 268, 279.
identification, (40) 631.	275; (39) 268, 279.
in America, (32) 830. varieties resistant to—	care on the farm, (38) 678. cecal and hepatic infections in, (36) 483.
blight, (33) 849. blight and frost, (32) 443.	changes in during storage, (30) 259.
disease, (31) 643.	elubs
late blight, (27) 35; (28) 52; (30) 748. rot, (26) 342.	for girls, (27) 395. in Arkansas, (33) 95.
wart disease, (26) 847; (29) 448. variety tests, (39) 127, 128, 137, 227, 229, 230, 337,	in Oklahama sahaala (20) 407
variety tests, (39) 127, 128, 137, 227, 229, 230, 337, 437, 438, 535, 738; (40) 31, 134, 330, 429, 431,	organization, (28) 599; (30) 395.
434, 523, 524, 631, 734.	in the South, (35) 195. in the South, (35) 195. organization, (28) 599; (30) 395. suggestions for, (31) 793, 794. cold storage, statistics, (28) 869.
variety tests, difficulties in, (29) 41. Verticillium disease of, (32) 239.	constitutional vigor in, (28) 367; (31) 668.
water requirements, (26) 129; (29) 826; (32) 127.	constitutional vigor in, (28) 367; (31) 668. contest for boys and girls, (28) 194. cooling rack, metal, description, (29) 87.
"water" variety, (39) 740. weather factor for, (35) 114.	coop feeding for market, (39) 278.
whole w and for planting (97) 699	crate-
wild, of Arizona, breeding experiments, (40)	fattening experiments, (28) 172. fattening v. pen fattening, (28) 172.
wild, selection and improvement, (29) 535.	fattening v. pen fattening, (28) 172, feeding, (38) 70.

SUBJECT INDEX

Poultry-Continued.	
cost of—	hatching and rearing by artificial means, (29)
cold storage, (27) 164. keeping, (26) 771. rations, 1915-16, (39) 780.	373. house
rations, 1915-16, (39) 780.	colony, description, (27) 892.
cottonseed poisoning, (39) 886. crossing experiments, (26) 168. daylight culling, (39) 794.	description, (38) 677. equipment, (35) 690; (38) 593.
daylight culling, (39) 794.	roller curtain for, (40) 387.
demonstration car work, (33) 273. demonstration train in North Wales, (30) 495. disease, investigations, (33) 389.	houses— and appliances, handbook, (26) 188, 591;
disease, investigations, (33) 389.	(38) 190.
diseases—see also specific aiseases.	and equipment, (37) 887.
and hygiene, notes, (31) 781.	construction, (26) 188, 386; (27) 773, 793; (28) 86, 686; (29) 293; (30) 389, 471, 794, 872;
and parasites in Guam, (35) 878. cholora-like and typhoid-like, (40) 685.	(31) 93, 786; (32) 590; (33) 98, 273, 691, 783;
handbook, (35) 284, 379; (37) 778.	(34) 192, 391, 590, 789; (35) 690, 792; (36) 190, 788; (37) 289, 389, 491, 696; (38) 190.
handbook, (35) 284, 379; (37) 778. important, (39) 686. in British East Africa, (30) 576.	description, (27) 89, 279, 374; (31) 291; (32) 888; (34) 177.
in New Jersey, (39) 791.	888; (34) 177.
manual, (30) 687. nature and treatment, (34) 383.	for prairie farms, (35) 690. notes, (30) 390.
notes, (28) 382; (33) 97, 98, 273, 880; (37) 693,	open v. cotton-front, (32) 469.
876. notes and treatment, (29) 385.	pamphlet, (31) 893. plans, (28) 386.
post-mortem examinations, (37) 82.	plans and specifications, (29) 689.
prevention and treatment, (21) 555.	temperature records, (36) 71.
frentise, (31) 88; (33) 681; (34) 280, 481, 881; (38) 781; (39) 393.	tests, (33) 762. housing, (39) 794; (40) 292, 485.
treatment, (29) 574.	nousing experiments, (29) 471.
dressed—	husbandry— collegiate instruction, (37) 495.
handling, (27) 62. handling and marketing, (29) 472.	courses in, (40) 492, 599.
refrigeration in transit, (30) 71.	instruction in secondary schools, (36) 794; (37) 394.
dressing and marketing, (29) 472. ectoparasites of, (32) 481.	laboratory instruction, (37) 395.
ectoparasites 01, 632, 461. encyclopediu, (32) 173. experiments, (26) 770; (27) 374, 773; (28) 773; (29) 273, 574; (30) 71; (31) 472; (32) 469, 570 (33) 76, 762; (34) 176; (35) 377; (36) 70; (37) 681;	papers on, (27) 675.
experiments, (26) 770; (27) 374, 773; (28) 173; (29) 273 574; (30) 71; (31) 472; (32) 469, 570	work in New Jersey, (37) 71. improvement, (28) 369; (29) 472; (37) 871.
(33) 76, 762; (34) 170; (35) 377; (36) 70; (37) 681;	inbreeding effects, (30) 71.
(38) 677. external parasites of, (30) 786; (33) 353; (34) 470;	inbreeding experiments, (33) 572. industry—
	importance of, (35) 275.
fancy points v. utility, (33) 172.	in Canada, (33) 93. Connecticut, (37) 872.
farm. Government, at Beltsville, Maryland,	Egypt, (27) 472.
(39) 85. fancy points v. utility, (33) 172. fancy table, in France, (30) 175. farm, Government, at Beltsville, Maryland, (28) 309.	European countries, (20) 473.
farming in New Jersey, (40) 570.	Germany, (29) 574; (33) 296, 572. Indiana, (30) 71. Ireland, (26) 271.
cooking boilers for, (32) 591.	
disinfection, (36) 885. management, (37) 872.	Montana, (36) 473. New Jersey, (36) 689.
small, developing, (34) 294.	New York State, (33) 273.
survey in New Jersey, (38) 173.	New York State, (33) 273. Scotland, (27) 279. Spain, (28) 270. United States (98) 993: (29) 774: (30) 471.
commercially, (26) 76; (30) 470.	Officed Diddies, (no) not (no) 112, (or) 1
crates, construction, (29) 472.	present conditions, (40) 78. statistics, (28) 578.
experiments, (38) 373. for market, (28) 172; (34) 178.	inheritance—
feather crested types, studies, (30) 778. feeding, (26) 164, 876; (32) 264, 572; (34) 377; (37) 471, 690; (38) 95; (40) 372.	in (27) 870; (30) 71; (32) 671; (37) 772; (40) 177. of size in, (32) 399, 572.
(37) 471, 699; (38) 95; (40) 372.	of spangling in, (37) 771.
reeding-	imports offseting (21) 248
and housing, (27 492. and management, (29) 70. experiments, (26) 669; (27) 279, 674, 773, (28) 669; (29) 275, 472, 672; (30) 470; (31) 568; (32) 808; (33) 77, 299, 380, 703; (34) 178, 376, 664; (35) 273, 377, 773; (36) 372, 273, 684; 770; (37) 70, 885; (38) 71, 678; (39)	insects for feeding, (38) 71.
experiments, (26) 669; (27) 279, 674, 773;	instruction, home projects in, (34) 395. instruction in Ireland, (28) 793; (34) 196.
(28) 609; (29) 275, 472, 672; (31) 470; (31) 589, 790, 888, 739, 77, 299, 380, 763; (34)	instructors and investigators, international
178, 376, 664; (35) 273, 377, 773; (36) 372	association, (27) 106.
810, 000, 110, (01, 10, 000, (01, 11, 11)	Intestinal parasites, remedies, (38) 83. Italian breeds, description, (26) 876.
376. stations, descriptions, (26) 77.	indging, (33) 172.
textbook, (37) 94.	judging standards in relation to utility, (39) 75. judging, teaching, (39) 397.
war rations, (38) 476.	killing. (28) 270.
analyses, (26) 72, 165, 665; (28) 265, 364; (29) 270, 467, 570, 769; (30) 68, 169, 377; (39) 780; (40) 571, 665.	laboratory manual, (40) 693.
270, 467, 570, 769; (30) 68, 169, 377; (39,	lice and mites, remedies, (38) 184.
and leeding, treatise, (20) 709.	lice, eradication, (40) 754. line breeding, (33) 77.
home-grown, (39) 278.	live and dressed, standards, (38) 294.
palatability and digestibility, (36) 473. Southern, mineral content, (39) 577.	live, cost of distribution, (29) 492.
Texas-raised, (37) 871. fighting, booklet, (30) 175. finishing for market, (37) 872.	live and dressed, standards, (38) 294. live, cost of distribution, (29) 492. live, transportation, (26) 271. management, (27) 279, 773; (28) 173, 599; (29) 574; (30) 395; (31) 568; (40) 177.
nghting, booklet, (30) 175.	574; (30) 395; (31) 568; (40) 177.
fish meal for. (33) 169.	management—
flock, backyard, feeding, (40) 473. food value and uses, (36) 463.	for winter egg production, (32) 869.
grading, (27) 374.	for winter egg production, (32) 869. handbook, (40) 876. on a small holding, (30) 90.
grading, (27) 374. grit, analyses, (38) 666. growth data, (30) 370, 467.	on a small holding, (30) 90. on the farm, (37) 368.
RIOMER CHES' (On) DIO' JOI!	

```
ultry—Continued.
sex nature of, (29) 466.
shipping, (39) 377.
shipping into Germany, (26) 669.
show, first in America, (32) 285.
shows and associations, (33) 372.
societies in England, (32) 792.
sprouted grain for, (34) 294.
sprouted oats for, (34) 294.
sprouted oats for, (39) 74.
standards, relation to utility, (37) 775.
statistics in Ireland, (34) 291.
statisties in United States, (28) 390.
storage, (39) 770.
"summer poisoning," (36) 834.
supply and consumption in Ithaca, N. Y., (33) 572.
survey of—
Poultry-Continued.
                                                                                                                                                                                                                                                                                                                                                                        Poultry-Continued.
                         manure
                                                nure—
analyses, (36) 120; (38) 23.
average yearly production, (40) 77.
for carnations, (27) 844.
handling, (38) 298.
production, (37) 682.
treatment and use, (29) 820; (32) 322; (33)
                       treatment and use, (3)
218.
use, (34) 494
value and utilization, (39) 278.
value, preservation, and use, (30) 175.
market, production, (29) 574.
marketing, (28) 773; (29) 574; (37) 682.
                       marketing—by parcel post, (40) 372.
cooperatively, (26) 92; (38) 494.
in Minnesota, (33) 492.
in New York, (38) 293.
meat, inspection, (32) 585.
mites and lice, notes, (37) 357.
monthly receipts, (26) 94, 190, 595.
mung bean pasture for, (40) 729.
notes, (26) 572; (29) 573; (30) 175, 373, 471, 571, 572; (31) 76, 298, 340, 473; (32) 767; (33) 97, 672, 698; (34) 494.
on farms in United States, (31) 167.
organization, war emergency, (39) 482.
                                                                                                                                                                                                                                                                                                                                                                    572.
survey of—
a country village in New York, (34) 669.
of Jackson County, W. Va., (33) 173.
textbook, (30) 696; (31) 474, 508; (30) 597.
tonics, analyses, (26) 568.
tonics, inspection and analyses, (39) 70.
treatise, (26) 270, 473, 669; (27) 72, 73, 674; (28)
270, 470, 673; (29) 60, 193, 371, 573; (30) 270,
572; (31) 270; (33) 77, 173, 473; (34) 209, 377,
470; (37) 769, 775.
undrawn, sale, (32) 466.
variations in, (30) 374.
war-time rations, (37) 573.
winter menagoment, (34) 770.
world's congress, (40) 499.
Poverty weed, eradication, (40) 430.
Powder Valley, irrigation project, (27) 414.
Powdery mildew—see also special hosts.
characteristics, (30) 537.
relation to host, (33) 244; (35) 844; (37) 749; (38)
645.
relation to light, (30) 747.
                                                                                                                                                                                                                                                                                                                                                                                                 survey of-
                         organization, war emergency, (39) 482.
parasites, notes, (33) 483.
pedigreeing, (39) 378.
pigeon, and pet stock fairs and exhibitions in
United States, (28) 796.
                         officed States, (28) 796.
plant—
at New Jersey Stations, (28) 788.
description, (37) 895.
standard unit, (39) 780.
preparation for exhibition, (37) 71.
prices as affected by cold storage, (28) 871.
                          production
                                                                                                                                                                                                                                                                                                                                                                                                 relation to light, (30) 747.
                         production—
for war emergency, (38) 94.
illustrated lecture, (34) 196.
treatise, (32) 570.
products, marketing, (35) 892; (37) 391.
profitableness under farm conditions, (26) 771.
program for 1918, (39) 176.
protection against predatory enemies, (30) 175.
purebred, marketing, (33) 77.
raising, (26) 369, 473; (27) 279, 299; (29) 171, 574;
(33) 273; (38) 276.
raising—
and preparing for market. (27) 676.
                                                                                                                                                                                                                                                                                                                                                                      Power—
alcohol, crops for production, (40) 524.
application to road transportation, (31) 90.
for farms, (29) 688; (31) 291.
from the sun, (31) 688.
laying out and plowing with, (31) 187.
mechanical for farms, (30) 789.
mechanical, in German agriculture, (30) 387.
plant apparatus, testing, (35) 899.
plant, electric, at Powersite, Mo., (28) 716.
transmission poles, preservation, (28) 644.
Pox In domestic animals, treatment, (26) 578.
Prairie—
and woodland, ecology of tension zone, (38) 55
                                                                                                                                                                                                                                                                                                                                                                        Power-
                                                  sing—
and preparing for market, (27) 676.
business methods, (40) 280.
Flemish system, (35) 275; (40) 280.
Flemish system, (35) 275; (40) 280.
for brollers, (39) 577.
in Alabama, (22) 73.
Alaska, (29) 770.
city yards, (38) 374, 378, 781.
Colorado, (38) 776.
Indin, (28) 786.
Missouri, (26) 276.
Porto Rico, (29) 666; (31) 664.
the South, (32) 570.
the Tropics, (31) 494.
town and country, (28) 796; (38)
                                                                                                                                                                                                                                                                                                                                                                                               and woodland, ecology of tension zone, (38) 521. berries, cell number in, (27) 733. berries, improvement, (30) 343. berry, crossing with Solanum nigrum, (34) 146. berry, improvement, (28) 739; (32) 538. chicken, notes, (27) 355.
                                                                                                                                                                                                                                                                                                                                                                                                                            S—
control, (29) 651; (34) 57; (39) 59, 460.
control in Colorado, (28) 450.
destruction, (28) 653; (32) 648; (35) 52.
extermination, (30) 697.
prevalence in Colorado, (28) 652; (30) 249;
(35) 51.
susceptibility to rables, (38) 80.
systematic account, (35) 551.
                         the South, (32) 570.

the Tropies, (31) 494.
town and country, (28) 796; (38) 173.
Washington, (28) 295.
Wisconsin, (34) 873.
lecture on, (29) 774.
lessons on, (26) 473; (28) 393; (32) 597; (35) 592, 594; (36) 597.
mineral requirements, (39) 577.
on the farm, (39) 176, 377, 381.
outline for study of, (33) 697.
promotion, (26) 271.
textbook, (33) 588; (35) 93.
treatise, (38) 776.
rations, balancing, (37) 271.
rations, computing, (34) 377.
reading counse, (28) 795.
refrigeration, (28) 563; (33) 660.
refrigeration, (28) 563; (33) 680.
refrigeration in United States, (27) 461.
roosting closet, (27) 599.
salt poisoning in, (39) 680.
sanitation, (38) 287.
school in Mexico, (26) 798.
school in Rio de Janiero, (30) 194.
secondary sexual characters, changes in, (33) 272.
selection, (34) 74, 564, 870; (36) 762.
sex-linked inheritance in, (27) 573; (31) 368; (33)
271.
                                                                                                                                                                                                                                                                                                                                                                                                 grass—alkali tolerance, (40) 719.
culture under irrigation, (33) 228.
notes, (33) 834.
phosphorus compounds in, (31) 864.
grove, isolated, paper on, (26) 643.
hay—
                                                                                                                                                                                                                                                                                                                                                                                                                             analyses, (29) 270; (30) 671; (36) 65. digestibility, (31) 863. digestibility and productive value, (37) 865, making and baling, (39) 221. mineral constituents, digestibility, (40) 769. western, analyses, (27) 170.
                                                                                                                                                                                                                                                                                                                                                                                                  plants—
assimilation in, (36) 734.
ecological histology, (35) 820.
evaporation in, (26) 821.
transpiration in, (26) 821; (36) 734.
soils, sampling, (28) 215.
                                                                                                                                                                                                                                                                                                                                                                                                      and mountain grasslands, comparison, (38) 824. preparation for grain crops, (30) 829.
```

Praon-	Preptoceras mayfieldi n.sp., description, (34) 264.
cocoons, fungus growing from, (40) 459.	Preservatives—
construction of cocoon, (37) 856. Prays—	and other chemicals in foods, (33) 66. chemical, detection and use, (26) 609.
citri, notes, (30) 252; (32) 56.	chemical, notes, (27) 64.
oleaellus, notes, (30) 455. Precipitates—	detection in—
apparatus for washing, (36) 504.	butter, (31) 811. caviar, (36) 561. fats, (31) 568. milk, (32) 413; (37) 113.
ignition, (27) 713.	fats, (31) 508.
washing device for, (37) 503. Precipitation—see also Rainfall, Snowfall, etc.	milk, (32) 413; (37) 113. milk and its products, (26) 806.
and attitude in the Sierra, (26) 27.	effect on—
and halos at Wauseon, Ohio, (32) 810. and run-off, Ishikari River, Japan, (29) 813.	barnyard manure, (28) 220.
and run-oil, ishikari kiver, Japan, (29) 813. at New Orleans. La (32) 614.	butter and margarin, (26) 778. cider, (30) 665.
at New Orleans, La., (32) 014. at State College, Pa., (35) 507.	guaiac test for milk, (26) 712.
atmospheric, electricity of, (34) 413. averages for large areas, (26) 27.	oxygen in water, (26) 418.
chart, new, (38) 209	peroxidase reaction of milk, (32) 412 examination, (30) 258.
charts, preparation, (37) 807.	food, advantages and disadvantages, (33) 577.
chlorin and sulphur content, (30) 422. daytime and nighttime, (36) 717.	food, physiological significance, (30) 364. wood, tests, (32) 841.
effect on—	Preserve jars, sealing, (39) 717.
drainage water, (26) 619.	Preserved fruit, "springing" of tins, (40) 208.
insects, (37) 355. sugar bects, (26) 738.	Preserves— examination, (28) 166; (39) 611, 612.
yield of alfalfa, (37) 717.	manufacture, (30) 613. preparation, (35) 419
yield of cereals, (28) 41.	preparation, (35) 419
factor, seasonal, (39) 511. in British Columbia, (34) 320; (38) 288	preparation and judging, (30) 259. recipes, (32) 560.
central Ohio (40) 117.	Preserving—
China, (36) 19. Illinois, (39) 319. 1913, (32) 810.	and canning, recipes, (36) 113.
1913. (32) 810.	industry in United States, (31) 67.
north Germany, (30) 208.	sirups for, (37) 15. treatise, (32) 253; (38) 114; (39) 614, 716.
northern Europe, (31) 316.	Pressure—
Russian Turkestan, (31) 812. southeastern Rocky Mountain slopes, (35)	change charts, (35) 419.
619.	coagulation of albumin by, (32) 417. effect on—
Texas Panhandle, (30) 318. United States, (30) 318, 815.	hastoria (28) 584
western Kansas, (30) 318.	hydrogen electrode potential, (36) 503. microorganisms, (32) 416.
western Kansas, (30) 318. observations, working up, (37) 513. reactions, equilibrium in, (34) 779; (37) 877.	nicroorganisms, (32) 410.
reactions, equilibrium in, (34) 779; (37) 877.	pipes for water conveyance, (30) 187. vertical, distribution in earth, (35) 581.
run-off and evaporation, (40) 810.	Preventive medicine and hygiene, treatise, (00) 002.
run-off and evaporation, (40) 810. stream flow, (20) 121, 812; (35) 116. tree growth, (30) 417, 445.	Price fixing— and cost of farm products, (39) 687.
winter wheat yields, (38) 14.	in England, (40) 487.
seasonal, (40) 616.	Prickly— ash, notes, (30) 145.
Precipitin— and sensitizin, relationship, (34) 778.	near, see Cacti.
antigen, production from bacteria, (38) 483.	Primitive Husk corn, culture experiments, (28)
for differentiating insoluble proteins, (27) 410.	532. Primordia of chloroplasts and leucoplasts, (39) 332.
reaction— diagnostic value, (32) 375.	Primrose—
for testing seeds, (28) 204.	Chinese, formation of pigments in, (27) 633.
notes, (27) 680; (34) 579.	evening, rusts of, (37) 552. Primula—
test, diagnostic value, (26) 283. Precipitins—	acaulis, inheritance of heterostylism in, (34) 226.
bacterial, notes, (26) 676.	culture in Alaska, (29) 743.
notes, (32) 78.	hybridization experiments, (30) 329. kewensis and its allies, genetic behavior, (35)
production, (29) 581; (33) 84. production by the fowl, (39) 388.	818.
relation to complement mande, (50/ 210.	sinensis—
relation to other immunity reactions, (36) 478.	flower pattern in, (34) 731. giant form, (28) 228. inheritance in, (34) 822; (36) 729; (38) 822. linkage in, (36) 620.
specificity, (26) 482. Precipitoids, inhibition of precipitation by, (26)175.	inheritance in, (34) 822; (36) 729; (38) 822.
Precooling plant, description, (35) 391.	linkage in, (36) 629.
Pregnancy— biological investigations, (27) 174, 577.	variegation in, (34) 228. Princeton University Farm, notes, (28) 99.
biological investigations, (27) 174, 577. corpus luteum of, in swine, (40) 683. diagnosis, (27) 577, 881, (28) 777; (29) 377, 408, 476, 477, 778; (30) 276; (31) 179, 180, 278, 279, 378, 877; (32) 80, 372, 474, 578, 579, 875; (33) 176, 207, 477; (34) 80, 81, 565, 577, 780; (35) 73, 179, 879; (36) 381; (37) 478; (38) 181, 581, 584; (39) 284, 583, 680, 886. extra effect on development of animals, (33)	Prioninae, catalogue, (30) 458. Prioninae, larvae of, (33) 360. Prioninae, larvae of, (33) 360.
diagnosis, (27) 577, 881; (28) 777; (29) 377, 408,	Prioninae, larvae oi, (33) 300. Prionimerus calceatus, notes, (37) 560.
476, 477, 778; (30) 270; (31) 179, 180, 270, 279, 278, 278, 277; (32) 80, 372, 474, 578, 579, 875; (33)	Prionoxystus robiniae, notes, (27) 658; (28) 159; (31) 550; (35) 356; (40) 161, 853.
176, 207, 477; (34) 80, 81, 565, 577, 780; (35) 73,	(31) 550; (35) 356; (40) 161, 853.
179, 879; (36) 381; (37) 478; (38) 181, 581, 684;	Prionus— californicus, notes, (32) 651; (35) 656.
early, effect on development of animals, (33)	laticollis, notes, (27) 755.
265.	Priophorus—acericaulis, notes, (26) 856; (28) 351.
effect on growth, (40) 877. in mares, serodiagnosis, (32) 185.	
metabolism during, (a) 608.	Prisoners, feeding in Germany, (35) 368; (36) 363.
nitrogen metabolism during, (35) 478.	Prisoners, feeding in Germany, (35) 368; (36) 363. Pristaulacus strangalize n.sp., description, (38) 164. Pristocera armitera, notes, (36) 360. Pristocera description, (38) 1853.
Premnotrypes solani— n.g. and n.sp., description, (30) 459.	Pristomeridia agilis, parasitism, (33) 353.
notes (38) 864.	Pristomerus—
Prenolepis minutula atomus illiawayi il.vai.,	hawaiiensis, notes, (29) 253. vulnerator, parasitic on gipsy moth, (31) 652.
description, (27) 264. Prepotency in animals, (32) 861.	Pristoscelis texanus, notes. (28) 451.

Privet-	Proso pis—
anthracnose, notes, (31) 641. autumn coloration of, (31) 34.	juliflora, culture experiments, (36) 340. juliflora, notes, (28) 643.
crown gall, notes, (36) 47.	root growth in relation to ovygen, (40) 30.
formation of fatty acids in, (26) 801.	spicigera, in Punjab, (34) 46.
leaves, formation of fats in, (29) 201.	Prosopodes fugax, notes, (35) 659.
mite, notes, (36) 859. swamp, culture for wild ducks, (33) 251.	Proso pothrips cognatus— in vestigations, (33) 354.
Privies—	n.sp., description, (30) 658.
construction, (36) 892.	Prospaltella—
sanitary, construction and care, (29) 88.	aurantii, notes, (26) 247; (28) 754. aurantii, parasitic on orange scale, (26) 554.
sanitary, description, (31) 787; (34) 88; (35) 189, 887; (37) 287; (38) 84, 85, 567,	berlesei—
887; (37) 287; (38) 84, 85, 567. Privy vaults, flies frequenting, (39) 766.	behavior in Italy, (27) 564.
Proceras sacchariphaga, notes, (38) 465.	behavior in Italy, (27) 564. notes, (28) 457; (29) 854; (35) 760. on Diaspis, (39) 465, 663.
Prociphilus— approximatus n.sp., description, (37) 850.	parasitic on mulberry scale, (34) 456.
approximatus n.sp., description, (37) 850. bumeliae, notes, (34) 357. corrugatans on Rosaccae, (32) 848.	remedies, (32) 755.
corrugatans on Rosaccae, (32) 848.	
fitchii and P. pyri, synonymy, (37) 661. fraxini-dipetalae, notes, (34) 356, 453.	iasciata n.sp., description, (39) 400. iaborensis, studies, (28) 754. lounsburyi n.sp., description, (36) 462. lounsburyi, notes, (38) 467. murtfeldtii, notes, (27) 556. olivina, notes, (26) 149.
DVT1 DOLOG (34) 854	lounsburyi, notes, (38) 467.
spp., studies, (39) 657.	murtfeldtii, notes, (27) 556.
spp., studies, (39) 657. tessellata, notes, (27) 257. Proctacanthus milbertii, predaceous on alfalfa	perniciosi—
caterpinar, (32) 58.	life history, (33) 257.
Proctophyllodes trisetosus n.sp., description, (34)	life history, (33) 257. n.sp., description, (29) 459. notos, (30) 661; (31) 356; (35) 54. parasitio on San José scale, (29) 758.
66. Prodecatoma—	notes, (30) 661; (31) 356; (35) 54.
cruzi n.sp., description, (32) 352.	parasitism, (32) 245.
sp., description, (37) 59.	peruviana n.sp., description, (29) 359. spp., notes, (28) 159.
Prodenia—	spp., notes, (28) 159.
eridania, notes, (28) 654. litura—	spp., studies, (36) 759. Protaibinic acid, nitrogen distribution in, (38) 310.
in Philippines, (30) 252.	Protanguieles—
notes (27) 862; (29) 456; (30) 252.	chrysippi n.sp., description, (26) 352. n.sp., notes, (35) 465. Protargionia, new genus, description, (26) 247.
remedles, (28) 355.	n.sp., notes, (35) 465. Proteorionic new genus description (26) 247
ornithogalli, notes, (33) 352.	Protascus colorans n.g. and n.sp., studies, (33) 548.
in Philippines, (30) 252. notes (27) 862; (29) 456; (30) 252. remedies, (23) 355. studies, (40) 62. ornithogalli, notes, (33) 352. spp., notes, (30) 356. Prodiplosis fitchii n.sp., description, (28) 657. Prodorus harberella n.sp., description, (33) 748.	Protease—
Prodoxus barberella n.sp., description, (28) 657.	in alfalfa, (32) 414. in guinea pig and rabbit serums, (35) 382.
Produce exchanges—	in mammary gland, (32) 411.
function, (40) 791.	Proteases—
speculation on, (30) 591. Profenusa collaris, see Cherry sawfly leaf-miner.	nephelometry in study of, (30) 410.
Proflavin—	serum, studies, (34) 674. Protein—
antiseptic value, (39) 586, 680. oleate in wound treatment, (40) 882.	absorption in typhoid fever. (35) 369.
Project method in science teaching, (40) 897.	alcohol-soluble, determination in wheat flour, (27) 111.
Projects, definition, (36) 194. Prolapse of oviduct in poultry, (39) 791. Prolin, site in the animal body, (28) 568. Promeeothecs cumingii, notes, (30) 56; (40) 200.	ammonia, determination in water, (33) 501.
Prolapse of oviduet in poultry, (39) 791.	anaerobic decomposition, (27) 226.
Promecotheca cumingii, notes, (30) 56: (40) 260.	anaphylaxis, treatise, (32) 79. as affected by bromin, (34) 803.
Promethea moth, notes, (30) 555. Promusca, erection, (34) 253. Prony brake, description and use, (29) 488.	as factor in poultry feeding, (31) 568.
Promusca, erection, (34) 253.	assimilation—
Propachyneuron Girault, notes, (40) 760.	by pigs, (32) 170.
Propachyneuronia n.g. and n.sp., notes, (38) 565.	in plants, (27) 525. review of investigations, (29) 567.
Prophanurus—	availability, determination by feeding experi-
minutissimus, notes, (31) 459. n.spp., descriptions, (31) 459.	ments, (30) 97.
Propionamid as a source of ammonia, (29) 723.	barley, transformation during brewing proc- osses, (32) 23.
Propionic acid—	biological value and metabolism, (28) 66.
bacteria in dairy products, (28) 276.	blood, studies, (36) 778; (37) 375.
decomposition by sunlight, (30) 431. determination, (38) 506.	carbon, utilization by the body, (26) 564.
effect on bread fermentation, (27) 268.	as affected by clurose (20) 663
in silage, (28) 608.	in inanition, diminishing, (26) 465. studies, (29) 164.
rôle in digestion, (36) 763. Propionitrile, assimilation by plants, (26) 32.	compounds, physiological value, (26) 764.
Propyl alcohol—	compounds, physiological value, (26) 764. condition of body, relation to diet, (26) 063.
as a disinfectant, (40) 581. in silage, (28) 608.	copper compounds, (37) 8. derivatives, detection, (26) 804.
In suage, (28) 608. Prosecratis delegate notes (22) 449	derivatives, physiological action, (34) /1.
Prosagrotis delorata, notes, (32) 448. Prosimulium spp., notes, (31) 254.	diet as protection against tuberculosis, (31) 84.
Prosmoridea elongatus n.g. and n.sp., description,	diet, effect on creatin-creatinin metabolism, (39) 571.
(34) 363.	differentiation, technique and methods, (26)
Proso— analyses, (33) 361.	676.
as a table food, (33) 361.	digestibility, determination, (37) 673. digestion—
bread, digestibility, (37) 364.	and absorption in animals, (33) 566.
culture— experiments, (27) 137; (29) 424; (30) 136; (33)	by pepsin, (27) 9.
633; (36) 34; (39) 435.	by serums, (35) 179. inhibition by adsorbed tin, (37) 470.
in Texas Panhandle, (29) 429' (35) 440.	emaciation following injection of, (35) 179.
in Utah, (38) 230. varieties, (32) 334; (36) 33.	extraction from wheat flour, (34) 610. extracts for diagnostic cutaneous tests, prepara-
water requirements, (32) 127.	tion. (38) 482

Protein-Continued.	Protein—Continued.
fed pregnant swine, effect on offspring, (32) 366.	storage—
feeding, effect on amino acids in tissues, (31) 661; (40) 562.	in liver, (31) 464.
food products, determination of decomposition	relation to acidosis, (33) 368; (34) 261. substances—
in, (33) 112. food, rôle of fats in utilization (28) 262	as protective agents for enzyms. (26) 504.
food, rôle of fats in utilization, (28) 262. foods, selection, (37) 864. foods use in kidney diseases (22) 460.	complement fixation with, (40) 286. decomposition in milk, (33) 714.
foods, use in kidney diseases, (32) 460. free amino groups in, (33) 201; (34) 501. free milk, nitrogen in, (40) 608. free milk, substitutes for, (40) 463. gains in the body studies (26) 604	methods for study of composition, (39) 676.
free milk, nitrogen in, (40) 608.	synthesis, (37) 108. supplements for corn gluten, (36) 666.
free milk, substitutes for, (40) 463.	suspensoid, precipitation by ions, (31) 607.
gains in the body, studies, (26) 664. Hopkins-Cole reaction for, (34) 713.	synthesis, (31) 10.
horse serum—	by lactic acid bacteria, (35) 373.
as anaphylactic antigens, (36) 877.	by means of enzyms, (34) 708. by yeasts and fungi, (27) 525.
changes in, (20) 374. in milk of immunized sheep, (27) 680.	by yeasts and fungi, (27) 525. in plant cells, (28) 428.
intake, enect on—	relation of carbohydrates to, (40) 562.
creatin excretion, (37) 469; (38) 569.	tissue, cleavage by blood serum of other animal
growth, (33) 262. muscular work, (33) 166.	species, (37) 478. Proteins—
uric acid formation, (33) 462. iodized, preparation, (35) 201.	Adamkiewicz reaction, (40) 507.
loss from grass during curing, (32) 111.	aggiutination, (29) 502.
loss from grass during curing, (32) 111. metabolic relation to glucose, (33) 261, 868; (34)	autolysis in killed plants, (27) 426. biological differentiation, (26) 176. biological individuality of, (26) 876.
366. metabolism, (27) 464; (32) 359.	biological individuality of, (26) 876.
metabolism—	body and foreign, absorption, (32) 66. chemical changes during digestion, (27) 768.
after excessive water ingestion, (32) 663.	chemical changes during digestion, (27) 768. chemical constitution, (27) 803; (31) 607.
after hunger, (32) 66. and energy metabolism, relation, (32) 563.	chemistry—
metabolism as affected by—	as basis of the life process, (40) 201. of, (28) 201, 801. of, treatise, (29) 408. progress in, (30) 201.
air breathed, (32) 663. carbohydrate and fat, (26) 765; (34) 762.	of, treatise, (29) 408.
complement, (30) 478.	
complement, (30) 478. mastication, (33) 366.	by microorganisms, (28) 503.
metabolism— bibliography, (26) 764	by microorganisms, (28) 503. in flour, (35) 265. products, biological action, (28) 279.
bibliography, (26) 764. digest of data, (35) 165.	products, fatigue producing, (29) 568. products, utilization, (26) 869. studies, (26) 764. coagulation by—
in fever and during work, (32) 564.	products, utilization, (26) 869.
in omnivora and herbivora, (32) 566. monograph, (28) 167.	coagulation by—
monograph, (28) 167. of infants, (35) 766.	heat, (26) 306; (29) 501, 502. ultraviolet rays, (29) 130, 131; (30) 110. color reaction for, (26) 201; (32) 20. constitution, (29) 715.
the fetus, (26) 363. white races in Tropics, (33) 366.	ultraviolet rays, (29) 130, 131; (30) 110.
white races in Tropics, (33) 366. yeast and mold fungi, (33) 202.	constitution, (29) 715.
relation to thyroid secretion, (29) 868.	decomposition—
sparing action of carbohydrates on, (36) 364. studies, (26) 158, 359, 764, 869, 870; (28) 664,	and hypersusceptibility, (28) 777. by electricity, (26) 307.
studies, (26) 158, 359, 764, 869, 870; (28) 664, 665; (31) 661; (39) 772.	by electricity, (26) 307. in soils, (36) 25.
utilization of ammonia in, (29) 62, 365. minimum—	density and solution volume, (29) 108; (31) 804 detection. (26) 804; (28) 503; (29) 715.
for farm animals, (26) 664.	detection, (26) 804; (28) 503; (29) 715. detection in saliva, (32) 20. determination, (27) 9; (39) 311.
in dairy rations, (31) 371.	determination, (27) 9; (39) 311. determination—
review of literature, (33) 68. studies, (30) 366; (33) 262, 868.	Adamkiewicz test. (31) 807.
mixtures, inhibitory action on anaphylaxis, (34)	in butter, (27) 209. honey, (26) 208. meat, (35) 315.
578. nitrogen—	meat, (35) 315.
fertilizing value, (39) 726.	mirk, (31) 114, 413.
of honey, determination, (26) 207. table for feeding stuffs, (33) 711.	muscle, (35) 614. serum of domestic animals, (32) 778.
nutrition of lambs, (33) 761. nutrition, studies, (27) 68.	urine, (36) 508.
nutrition, studies, (27) 68. phosphorus-containing, necessity in diet, (32)	urine, (36) 508. of tyrosin in, (40) 113. dynamic action, (40) 866.
561.	ellect on-
poison, effect on dogs, (30) 180.	baking qualities of flour, (30) 556.
quotient, constancy during digestion and star- vation, (40) 660.	blood sugar in phlorizin diabetes, (35) 863 - gaseous motabolism in man, (28) 569.
rations, utilization by cows, (39) 75, 381.	growth of pigs, (28) 98. intestinal flora, (40) 867.
daily, of men, (32) 66.	nutrition and growth. (33) 462.
for milk production, (31) 173. in bread diet, (31) 860.	nutrition and growth, (33) 462. production and composition of milk, (26) 79.
in bread diet, (31) 860. in nutrition, (31) 263.	reaction of iron salts, (28) 411. uric acid metabolism, (40) 175.
of dairy heifers, (33) 274; (35) 871.	wheat gluten, (26) 67. wheat gluten, (26) 67. fiesh, products of hydrolysis, (39) 201. foreign, fate in anaphylactic reaction, (38) 79. foreign, liberation of antibodies on injection of,
of dairy heifers, (33) 274; (35) 871. growing cattle, (26) 768.	flesh, products of hydrolysis, (39) 201.
higher animals and man, (35) 858. infants, (34) 68.	foreign, liberation of antibodies on injection of,
workingmen, (33) 662. resorption in the cell organism, (31) 361.	(40) 180.
resorption in the cell organism, (31) 361. retention in relation to diet, (35) 765.	formation— and cleavage, in human body, (26) 69
solutions-	by tubercle bacilli, (31) 284. in animal body, (35) 371. in plants, (27) 226, 634; (31) 224. in ripening seeds, (28) 729.
electrometric titrations in, (39) 611.	in animal body, (35) 371.
refractive indexes, (28) 501. split products in relation to immunity and dis-	in ripening seeds, (26) 729.
ease, treatise, (30) 379.	localization in plants, (29) 525.
starvation, effect on amino acid content of tissues, (31) 661.	of hydrocyanic acid in, (30) 802 treatise, (34) 708.
, ,,	

```
Proteins—Continued.
purified, bohavior toward proteolytic enzyms,
(30) 108.
Proteins-Continued.
                      formol-titrametric investigations, (31) 713.
from cereals and milk, effect on growth, (33)
                                                                                                                                                                                                                                                                                                                                             (30) 108. (40) 572. rôle in glycogen formation, (31) 763. rôle in growth, (30) 366; (35) 269. salt-soluble, determination in flour, (32) 808. serum, of different animals, (28) 875; (32) 861; (35) 372.
                   460.
from different foods, value, (20) 763.
from different sources—
comparison, (37) 864.
effect on growth, (33) 262.
for milk production, (33) 275; (36) 174, 671.
value, (33) 367; (35) 368, 562; (36) 372.
from various grains, digestibility, (33) 361, 564,
753
                                                                                                                                                                                                                                                                                                                                            seruin, of different infilials, (28) 8/3; (32) 861; (35) 372; serum-preciptin reaction of, (26) 482. specific dynamic action, (37) 266. specificity, (36) 411. studies, (27) 561; (39) 801. sulphur linkages in, (28) 306. toxic action, (27) 466. toxic and nontoxic fractions of, (28) 880. transformations in—

intestinal canal, (31) 468. plant and animal organisms, (28) 631. yeast, (31) 223; (35) 634. treatise, (26) 801. tyrosin content, (29) 465. uniformity in structure, (28) 631. uniformity in structure, (28) 631. utilization as affected by fasting, (29) 268. utilization by different animal species, (40) 464. value in naimal nutrition, (27) 276. value in feeding stuffs, (26) 363. value in nutrition, (26) 764. vegetable—
                    gastrie digestion of, (31) 161.
growth-promoting value, expressing numerically, (40) 765.
heat-coagulable and water-soluble, in milk, (38)
                                  612
                   612.
heat coagulation of, (28) 568.
hydrolysis, (28) 607.
hydrolysis by—
enzyms, study of products, (40) 611.
pancreatic enzyms, (35) 201.
hydrolysis in presence of—
aldehydes, (38) 201.
carbohydrates and aldehydes, (36) 108.
extraneous materials, (39) 611.
                      hydrolysis-
                 hydrolysis—
products, nutritive value, (28) 167.
studies, (27) 501.
tryptic, measurement, (31) 711.
identification in solutions, (26) 201.
importance in egg production, (32) 99.
in animal serums, (30) 68.
mixed rations, digestibility, (32) 69, 70.
nutrition of growing pigs, (32) 71, 72, 73.
the diet, (32) 857.
the diet, treatise, (28) 567.
insoluble, differentiating, (27) 410.
                                                                                                                                                                                                                                                                                                                         value in nutrition, (26) 764.

vegetable—
biological reactions, (30) 680, 778; (31) 377;
(34) 577; (35) 679; (36) 380.

nutritive value, (26) 155; (36) 865.
review of investigations, (28) 460.
studies, (34) 762; (40) 463.

Proteinuria, Bence-Jones, investigations, (33) 569.

Proteochalidae, revision, (32) 853.

Proteolysins and hemolysins, relation, (40) 286.

Proteolysis, studies, (35) 204.

Proteolytic—
                   isolated—
effect on growth of rats, (31) 69.
maintenance experiments with, (28) 863.
value in the diet, (34) 368.
lysin content, (31) 559.
maintenance experiments with, (29) 767.
methods of analysis, (26) 22; (28) 501; (33) 408; (34) 505; (35) 415.
need of under different conditions, (33) 868.
new, in milk, (38) 611.
nutritive value as affected by starch and fats, (40) 562.
                                                                                                                                                                                                                                                                                                                         Proteolysis, status, 1977.

Proteolytic—
action as affected by halogens, (28) 504.
action, methods of examination, (36) 316.
action of pancreas preparations, determination, (32) 710.
                       isolated-
                                                                                                                                                                                                                                                                                                                                                enzyms of plants, inhibitors for, (37) 204. ferments, method of study, (26) 107. ferments of blood, origin, (37) 478. index of human blood leuccytes, (26) 83.
                                                                                                                                                                                                                                                                                                                         Index of numan blood leucocytes, (26) 83.
Proteopteryx—
bolliana, notes, (38) 762; (39) 557.
bolliana, studies, (38) 157.
willingana, notes, (38) 257.
Proteose intoxications and injury of body protein, (37) 107; (39) 572.
                   of animal tissues, adequacy, (39) 665, 873.
blood, studies, (39) 388.
chick pea seeds, analyses, (28) 460.
cooked meat, digestibility, (32) 256.
corn, efficiency, (39) 873.
corn, nutritive value, (28) 759; (29) 62; (32)
                                                                                                                                                                                                                                                                                                                           Proteoses
                                                                                                                                                                                                                                                                                                                          absorption by digestive apparatus, (38) 366.
effect on cobra venom hemolysis, (36) 276.
in soils, (34) 325.
studies, (26) 23.
Proterrhinidae, catalogue, (26) 560.
                   corn, nutritive value, (28) 759; (29) 62; (32) 164.

corn, utilization, (26) 358.

cottonseed, utilization, (28) 682.
flour, chemical constitution, (34) 803.
flour, studies, (27) 807.
gladin, modifications in, (29) 608.
insects, value for poultry, (38) 71.
legumes, utilization, (26) 564.
Liebig's meat extract, (27) 363.
linseed meal, hydrolysis, (26) 201.
malted barley, (38) 322.
meat powder, utilization, (26) 683.
meat, separation, (27) 498.
milk, see Milk proteins.
muscle juico, studies, (30) 766.
muscle, specific heat of, (33) 566.
peanuts, (37) 8, 468, 501.
potato, autolysis, (26) 801.
rations, calculating, (39) 167.
rics, reagent for, (29) 881.
rics, studies, (27) 166.
seeds, nutritive values, (39) 665, 666.
seeds, studies, (40) 69, 563.
swede turnips, composition and methods of analysis, (37) 410.
wheat and almond, studies, (40) 660.
yeast and sucrase, relation, (32) 803.
physical chemistry, treatise, (38) 708.
plant, autolysis, (28) 801.
plant, precipitation, (26) 482.
precipitation, (27) 107, 808, 804; (31) 504.
pure, toxicity and nutritive value, (40) 463, 464.
pure vegetable, effect on rats, (32) 875.
                                                                                                                                                                                                                                                                                                                           Proteus-
                                                                                                                                                                                                                                                                                                                         Proteus—
alvoicola n. sp., description, (37) 360.
vulgaris, cleavage of gluten by, (31) 711.
vulgaris, nitrogen assimilation by, (31) 771.
Protist organisms, infective granule in, (30) 577.
Protocalliphora—
azures infesting birds, (40) 351.
azures, studies, (34) 359.
larvae parasitizing nestling birds, (40) 647.
Protomyes—
                                                                                                                                                                                                                                                                                                                         Protomyces—
andinus, notes, (35) 651.
helminthiae n. sp., description, (32) 842.
n. spp., descriptions, (40) 155.
                                                                                                                                                                                                                                                                                                                          Protoparce
                                                                                                                                                                                                                                                                                                                                                carolina, relation to tomato leaf spot, (40) 645.
sexta, see Tobacco worm, southern, and Tomato
worm.
                                                                                                                                                                                                                                                                                                                                               and gelatin, similarity in behavior, (37) 431.
and gelatin, similarity in behavior, (37) 431.
as affected by bivalent cations, (33) 328.
as affected by Schumann rays, (33) 224.
cause of death in, (28) 631.
electric charge of, (34) 525.
living, chemical dynamics of, (30) 823; (32) 625.
nature of, (36) 526.
of plant cells, (34) 33.
organization and polarity of, (28) 765.
permeability, (33) 127.
permeability to ions, (26) 823.
permeability to salts, (39) 25.
                                                                                                                                                                                                                                                                                                                           Protoplasm-
```

SUBJECT INDEX

Protoplasm—Continued.	Prune-Continued.
permeability to water, (36) 823.	mushroom root rot, notes and treatment, (28)
physical properties, interpretation, (37) 325.	748. orchards—
relation to environment, (28) 326. swelling, studies, (40) 520.	protection against frost, (29) 147.
water absorption by, (38) 502.	renovation. (37) 41.
Protoplasmie—	root disease, notes, (36) 649. rust in southern California, (34) 352.
contractions resembling plasmolysis, (29) 134;	rust in southern California, (34) 352.
(30) 130.	rust, notes, (36) 845.
streaming, stimulation by light rays, (35) 130. Protopulvinaria spp., parasites of, (26) 553.	stones, hydrocyanic acid content, (27) 11. twig borer, notes, (32) 651.
Protozoa—	twig miner, notes, (35) 253.
as affected by heat, (31) 26.	Prunes—
counting, new method, (33) 809.	ash analyses, (29) 861.
	bacterial gummosis, (39) 151. benzoic acid in, (33) 15.
disease transmitting, treatise, (31) 476.	brown bark spot on, (39) 251.
disease transmitting, treatise, (31) 478. effect on ammonification, (28) 719. effect on bacteria in soils, (28) 330.	bud injury. (40) 52.
flagellated and ciliated, tissue-invasive powers,	composition as affected by irrigation, (29) 236.
(40) 186.	culture, (32) 45.
flagellated, rôle in bird diseases, (36) 483.	culture in New York, (35) 836. culture in southern Utah, (30) 41.
flagellates in cecal and liver infections in birds,	culture in southwestern Washington, (31) 441.
from sewage-sick soils, notes, (29) 316.	destruction by black scale, (26) 555.
in rice soils, (33) 23.	dried—
in ruminants' stomachs, (30) 577.	analyses, (30) 861.
in soil—	inoculation experiments with brown rot
activity, (34) 422; (36) 216.	fungus, (33) 247. microbiology, (34) 460.
as affected by lime, (30) 127. as affected by toluene, (36) 814.	preparation and use, (29) 462.
eg reduction index. (40) 214.	drying, (29) 148; (37) 114, 715.
counting, (30) 826; (33) 809; (34) 513; (39) 814.	microningy, (24) 400. preparation and use, (29) 462. drying, (29) 148; (37) 114, 715. drying methods, (27) 146. effect on composition of urine, (31) 761.
determination, (29) 123.	effect on composition of urine, (31) 701.
determination, (29) 123. inactivity, (30) 322. notes, (30) 399; (31) 420.	
notes, (30) 399; (31) 420.	fertilizer experiments, (37) 41. frost injury, (37) 344. handling and shipping (34) 534. insects affecting, (27) 857. pear thrips affecting, (40) 547. pollination, (36) 139; (40) 386. pollination by bees, (36) 536; (38) 747. pruning, (33) 337; (35) 41. sodium nitrate for, (40) 741.
paper on, (30) 399. review of investigations, (37) 213.	handling and shipping (34) 534.
separation, (34) 217.	insects affecting, (27) 857.
studies, (31) 26, 420, 516; (32) 320, 619; (33)	pear thrips affecting, (40) 547.
621; (34) 20; (35) 214.	pollination, (30) 139, (40) 330.
infecting bees, (27) 459.	ngining, (33) 837; (35) 41.
infectious, notes, (29) 676. intestinal, transmission by flies, (38) 563.	sodium nitrate for, (40) 741.
life history, (38) 580.	tree concus in Washington, (40) 340.
media for multiplication of, (33) 809.	Pruning—see also special trees and saruos.
of vertebrates and invertebrates, (32) 177.	directions for, (20) 559.
parasitic in Bufo regularis, (30) 680.	effect on— fruit bud formation, (33) 735; (37) 646.
pathogenio-	eat of fruit. (38) 42.
patnogenio— handbook, (26) 246, 865; (27) 460, 551. notes, (26) 276.	sweet peas and tomatoes, (29) 339.
review of investigations, (28) 178.	investigations, methods, (37) 239.
textbook, (28) 78; (36) 177.	monograph, (33) 887.
textbook, (28) 78; (86) 177. treatise, (27) 575.	(34) 833: (37) 344
relation to-	sweet peas and tomatoes, (29) 339. investigations, methods, (37) 239. monograph, (33) 837. notes, (28) 639; (32) 224, 743, 751, 835; (33) 339; (34) 833; (37) 344. paper on, (38) 540. problems in Hood River Valley, (37) 41 summer. (33) 98; (35) 696.
relation to— plant growth, (32) 423. plant growth, (32) 123; (30) 517; (33) 515; (34) 306; (36) 322, 422, 518, 622. rôle in plants, (33) 425. conception of species (27) 780.	problems in Hood River Valley, (37) 41
328: (36) 322, 422, 518, 622,	summer, (33) 98; (35) 696. treatise, (33) 88; (37) 41, 242, 344; (38) 539.
rôle in plants. (33) 425.	treatise, (33) 838; (37) 41, 242, 343, (35) 463, wounds, dressing for, (32) 835; (38) 143
separation of species, (27) 780.	Prunus—see also Cherries and Plums.
	breeding experiments, (28) 540.
toxic action of copper compounds of amino acids on, (37) 375. treatise, (29) 360.	crown gall resistance in, (36) 352; (37) 655. domestica, silver leaf disease of, (34) 648.
tractice (90) 360	domestica, silver leaf disease of, (34) 648.
PTOEOZOSD—	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
diseases, immunization, (26) 676. diseases, in Tonkin, (26) 677.	hyprids, heredity in (20) 340. laurocerasus, hydrocyanic acid in, (29) 133. mume, chloranthy of, (26) 343. matical American Species, (32) 837.
diseases, in Tonkin, (26) 677.	mume, chloranthy of, (26) 343.
germ blasm, notes, (20) 8/0.	native American species, (32) 837
Infections, infective granule in, (26) 883. infections of intestinal tract,goblet cells in, (37)280	new canker disease of, (37) 351.
Protozoology—	mume, chloranthy of, (28) 343. native American species, (32) 837 new canker disease of, (37) 251. oils, composition, (38) 803. pubescent-fruited species of Southwestern
manufact of libonoture (97) 77	States, (30) 41.
textbook, (27) 356.	spinosa, seashore thicket formation by, (60) 460.
textbook, (27) 356. treatise, (26) 882. Provancher, A bbé, biographical sketch, (40) 259.	enn crown gall alleuille, (20) ****
Provancher, Abbé, biographical secton, (49) 259- Provender, analyses, (26) 72, 665; (28) 265, 364, 465 (30) 67; (32) 259; (34) 169, 371, 467; (35) 374, 562 (38) 369, 665.	spp., crown gan altering, (25) 257 tomentosa, culture experiments, (27) 343.
(32) 87: (32) 259: (34) 169, 371, 467; (35) 374, 562	virginiana, black knot of, (30) 750.
(38) 369, 665.	Prussian blue— determination in tea, (33) 15
Prunasin as anected by enzyms, (25) 506.	Prussian Chamber of Agriculture, organization
aphis, remedies, (32) 649.	efoting, (31) 193.
blight, notes, (34) 648.	Prussic acid, see Hydrocyanic acid.
brown rot-	
investigations, (35) 249.	cambiella n.sp., description, (33) 748. engelella, life history, (33) 655.
notes (28) 544.	Psalidium maxillosum, notes, (31) 655.
treatment, (32) 645; (38) 454. industry in Oregon, (29) 148.	
inica, detection in vanilla extracts. (26) 111.	Psaliota— campestris, composition, (26) 802. campestris, prevalence in South Africa, (29) 461
juice, detection in vanilla extracts, (26) 111. kernels, microscopic identification, (28) 565.	sp., zymase formation in, (39) 733.
Monilia blight, studies, (34) 351.	phot ramsso memory mit for the

```
Pseudomonas—Continued.
olivae, description, (28) 246.
papulans n.sp. on apple, (38) 251.
Psallus ambiguus, notes, (32) 849; (40) 60.
Psalterium in ruminants, anatomy and histology,
        (26) 573.
Psathyrella ampelina—
notes, (26) 750.
studies, (31) 746.
Pseudanthonomus—
                                                                                                                                                                                                                        phaseoli—
notes, (37) 550,
studies, (28) 846; (34) 746,
treatment, (37) 248,
pisi n.sp., description, (35) 847,
polycromigena n.sp., description, (32) 644,
pruni, notes, (30) 246,
radicicola—see also Bacillus radicicola.
factors affecting vitality, (26) 824,
notes, (27) 26, 828,
seminum n.sp. on Pisum, (39) 147,
seminum notes, (40) 844.
                                                                                                                                                                                                                          phaseoli-
cataegi, notes, (26) 759.
validus, notes, (31) 351.
validus, studies, (34) 852.
Pseudaonidia (Aspidiotus) trilobitiformis, notes,
rseudaminia (Aspidiotas) frinditatorins, hotes, (28) 752.

Pseudapanteles eticliae n.sp., description, (26) 352.

Pseudaphelinus n.g., description, (40) 61.

Pseudapheyus n.spp., descriptions, (35) 858.

Pseudapocyrtus n.g. and n.spp., descriptions, (28)
                                                                                                                                                                                                                       seminum n.sp. on P'sum, (39) 147.
seminum, notes, (40) 844.
sp., notes, (30) 149.
sp. on soy beans, (37) 842.
sp., relation to barley blight, (35) 845.
spp., ammonifying power, (31) 317.
spp., nutrient medium for, (27) 729.
spp., on iris and hyacinth, (40) 844.
spp. on vogetables in Ontario, (37) 150.
stewarti, studies, (40) 846.
subcretus n.sp., description, (28) 628.
tritici, n.sp., description, (28) 454.
tumefaciens, notes, (31) 746, 845; (40) 53, 252.
vascularum, notes, (28) 746.
 Pseudhomalopoda prima n.g. and n.sp., description,
 (34) 857.
Pseudiglyphomyia coptodiscae n.sp., description,
        (36) 260.
 (80) 200.
Pseudoagglutination, notes, (30) 205.
Pseudoamphistomum danubiense, infection of pigs
with, (38) 82.
Pseudoamthrax bacilli—
Freudoanthrax bacilli—
and anthrax bacilli, relationship, (30) 682.
biology, (33) 579.
biology and diagnosis, (34) 781.
Pseudo-blackleg, studies, (26) 883.
Pseudobrachsticha semiaurea n.g. and n.sp., de
                                                                                                                                                                                                          Pseudomphale—
ancylae n.sp., notes, (36) 254.
n.spp., descriptions, (34) 69; (30) 555.
Pseudopantieles ctiellae, parasitism, (27) 553.
Pseudoperonospora humuli n.n., notes, (32) 442.
Pseudopeiga—
 scription, (34) 363.
Pseudococcobius—
                                                                                                                                                                                                          Pseudoperonospora humuli n.n., notes, (32) 442.
Pseudopeziza—
medicaginis, notes, (30) 648; (31) 746; (33) 846.
medicaginis, treatment, (30) 538.
ribis, notes, (30) 246.
ribis, studies, (33) 347.
ribis, treatment, (32) 842.
tracheiphila—
notes, (28) 55; (37) 246, 555.
studies, (30) 148, 452.
treatment, (20) 145; (27) 250.
trifolit—
description and treatment, (39) 754.
 ehrhorni, notes, (40) 359.
n.g. and n.spp., descriptions, (35) 857.
n.spp., descriptions, (40) 359.
Pseudococcus—
               audococcus—
aceris, notes, (27) 755; (30) 53.
adonidum, notes, (38) 464.
bakeri, notes, (29) 454; (35) 357.
bakeri, studies, (40) 650.
calceolariae, notes, (29) 53.
citri, see Citrus mealybug.
crotonis, studies, (39) 156.
(Dactylopius) perniciosus, injurious to cotton,
(27) 454.
                                                                                                                                                                                                          (Dactytopius) perniciosus, injurious to cotton, (27) 464.
filamentosus, notes, (30) 549; (32) 349.
grassi n.sp., description, (33) 653.
hyacintil, bacillus resembling, (31) 127.
jessica n.sp., description, (36) 551.
n.spp., descriptions, (36) 577; (40) 262.
nicotianae n.sp., description, (29) 758.
sacchari in Mexico, (40) 57.
sacchari, notes, (26) 60; (29) 52, 854; (38) 556.
sp., notes, (31) 350.
sp. on citrus fruits, (34) 62.
sp. on sugar cane, (34) 753.
spp. in Crimea, (33) 652.
spp. in Ohio, (34) 58.
spp., parasites of, (40) 369.
spp., studies, (34) 162.
yerba-santae n.sp., notes, (29) 455.
Pseudocryphalus n.g. and n.sp., description, (38) 163.
                                                                                                                                                                                                            notes, (31) 579.
occurrence in Brazil, (28) 184.
Pseudorhyssa stornata n.g. and n.sp., description,
                                                                                                                                                                                                            (34) 758.
Pseudotachinomyla webberi n.g. and n.sp., description, (37) 763.
Pseudotsuga taxifolia, thinning experiments, (32)
                                                                                                                                                                                                            rseudotuberculosis—
in guines pigs, (37) 377.
horses, (37) 378.
rodents, pathology, (32) 882.
swine, (37) 82.
notes, (34) 184.
Pseudotuberculous enteritis of bovines, diagnosis, (26) 783.
                                                                                                                                                                                                             Pseudotuberculosis
   Pseudodiaporthe coffcae, notes, (38) 51.
Pseudoglobulin, transformation into globulin, (37)
77.
                                                                                                                                                                                                              Pseuromphale eudami n.sp., description, (39) 869.
                                                                                                                                                                                                             Psouromphale eudami n.sp., description, Psila rosae, notes, (32) 650.
Psila rosae, remedies, (31) 158.
Psilocephala melampodia, notes, (28) 158.
Psilopa petrolei, notes, (27) 862.
Psiloptera fastuosa, notes, (27) 803.
Psithyrus—descriptions (29) 759
    Pseudohylesinus-
                 n.g. and n.sp., description, (38) 163. spp., studies, (39) 65.
    Pseudomonas-
                avenae, notes, (40) 643. calcis, notes, (33) 631. campestris, notes, (29) 547; (34) 644; (37) 550; (40) 844.
                                                                                                                                                                                                             rsithyrus—
n.spp., descriptions, (28) 758.
spp. in bumblebee nests, (33) 658.
spp., notes, (28) 562.
Psocidae, fumigation, (39) 161.
Psophocarpus, liming experiments, (36) 229.
Psoriasis vulgaris, relation to diet, (31) 463.
Psorophora (Janthinosoma) sayi as anthrax carrier, (39) 161.
Psoroptee—
                 (40) 844. cerasus n.sp., notes, (28) 144. cerasus n.sp., notes, (29) 144. cerasus, notes, (29) 154; (30) 749. cerasus, studies, (39) 151. citri, see Citrus canker. erodii n.sp., investigations, (32) 53. fluorescens in soils, (37) 516. fluorescens, notes, (29) 157. fagaroidea, organism resembling in milk, (26) 371.
                                                                                                                                                                                                              Psoroptes
                                                                                                                                                                                                                            roptes—
cervinae n.sp., description, (33) 680.
communis, life history, (35) 678.
communis ovis, life history, (33) 384.
communis ovis, notes, (27) 182; (29) 159.
cuniculi, notes, (35) 80.
                  gladioli n.sp., studies, (29) 845.
hyacinthi, notes, (40) 844.
juglandis, studies, (28) 349; (34) 545.
medicaginis in Utah, (31) 642.
                                                                                                                                                                                                              Psychoda-
                                                                                                                                                                                                                            albimaculata n.sp., description, (29) 159 cinerea, life history, (34) 651.
```

Psychoda—Continued.	Public-Continued.
spp., biology, (32) 552. spp. on sewage filters, (40) 336.	health-continued.
Psychonotua sp., notes, (29) 652.	regulations in towns and cities of United States, (32) 357.
Psychotria— bacteriophila, nitrogen-fixing bacteria in leaves.	health, relation to— entomology, (33) 152.
(27) 225.	entomology, (33) 152. house flies, (26) 61. milk, (28) 276. rats, (27) 754. well and spring waters, (29) 512.
spp., bacterial enlargements on leaves, (26) 451. spp., symbiosis with plants, (26) 545.	milk, (28) 276. rats. (27) 754.
Psylla— buxi, notes, (35) 54.	well and spring waters, (29) 512.
isitis, life history, (31) 755.	institutions, supplies in, (32) 254. lands, settlement in Australia, (26) 291.
isitis, life history and remedies, (29) 854. mali, see Apple sucker.	range lands, management, (36) 791.
pyri, see Pear psylla.	Puccinia— amphigena, new aecial hosts, (36) 245.
remedies, (34) 253. schizoneuroides, destructive to oranges, (28) 655.	amphigena, new aecial hosts, (36) 245. angustata, internal aecidia of, (30) 350.
Psyllia mali, see Apple sucker.	antirrhini, notes, (33) 249; (38) 546. arenariae, biology, (34) 242.
Psyllid, gall-producing, from Syria, (30) 251. Psyllidae—	asparagi, see Asparagus rust. bambusarum and P. mogiphanis n.combs., (40)
American, notes, (26) 148, 755.	133.
catalogue, (31) 59. notes, (28) 60.	carduaceous species, (40) 155. chondrillae, notes, (37) 550.
of Hawaiian Islands, (40) 262.	coronata—
Japan, (26) 455. New World, (31) 453.	infection experiments, (26) 446. uredospore germination, (39) 850.
New World, (31) 453. vicinity of Washington, D. C., (40) 354. palearctic, catalogue, (30) 455.	winter resistance of uredospores, (29) 645.
Psylliodes—	coronifera, studies, (37) 749. dispersa, vitality of uredospores, (28) 346.
aflinis, studies, (35) 253. attacking Cruciferae in central Europe, (30) 161.	dispersa, wintering over in uredo stage, (29)
attenuata, biology and remedies, (30) 255.	346. ellisiana, aecial host of, (31) 540.
punctulata—see Hop flea beetle. Psyllopa punctipennis, life history, (31) 755.	endiviae, notes, (33) 548.
Psyllopsis fraxinicola, notes, (26) 146.	endiviae, studies, (31) 746. fusca, aecidia, (27) 746.
Pteridium aquilinum, chemistry, and anatomy of, (34) 522.	geranii, studies, (29) 345. glumarum—
Pteris aquilina—	in barley seeds, (32) 642. Bavaria, (33) 847.
injurious to horses, (37) 182. life history and eradication, (36) 339.	Bavaria, (33) 847. United States, (33) 744; (36) 246.
toxic effect on horses, (38) 589.	Utah, (36) 48.
Pterocarpus— marsupium, notes, (29) 443.	introduction into America, (38) 147.
santalinus, descriptive account, (38) 146.	investigations, (26) 647. notes, (30) 649; (34) 843. overwintering, (39) 354.
Pterocommini— review, (36) 253.	overwintering, (39) 354. studies, (34) 349.
review, (36) 253. synopsis, (35) 256.	graminia
Pterodontia flavipes, life history, (36) 757. Pteromalidae of Australia, (39) 154.	biologic forms. (36) 246.
Pteromalinae, synopsis, (30) 661.	in Denmark, (36) 247.
Pteromalus— caridei—	avenae on timothy, (35) 847. biologic forms, (36) 246. in Denmark, (36) 247. in Norway, (35) 545. in wheat seeds, (32) 642.
for control of orange papilio, (40) 62. n.sp., description, (31) 355.	infection through wheat seed, (37) 751. new biologic forms, (39) 454; (40) 642.
dynaster, parasitic on alialia weevil, (31) 51.	new strain, (37) 749.
ogregius, notes, (27) 456; (29) 252. eurymi n.sp., description, (31) 355.	new strain, (37) 749. notes; (28) 53; (34) 242, 845; (35) 45; (39) 752. overwintering in Australia, (38) 48.
eurviii. Darasilie on alialia Glierumai, (62) 50.	relation to barberries, (30) 149.
hemileucuo n.sp., description, (38) 165. puparum, oviposition and feeding in, (26) 458.	relation to immune host plants, (33) 245, 345.
SD., notes, (27) 558.	spore morphology, ecological factors, (40)
stironolus n.sp., description, (28) 162. Pteronus ribesii, see Currant worm, imported.	641. staining, (26) 52.
Pteroptrichoides perkinsi n.sp., notes, (29) 253. Pteroptrix australis n.sp., description, (37) 460.	studies, (26) 142; (38) 47; (40) 249, 641, 642, 745.
Pterygogramma acuminata n.g. and n.sp., descrip-	641. staining, (26) 52. studies, (26) 142; (38) 47; (40) 249, 641, 642, 745. treatment, (28) 242. graminis triticl—
tion, (37) 855.	compacti, notes, (40) 345. inficiens new form, description, (39) 454.
Pterygophora californica, analyses, (27) 421. Ptiliidae, catalogue, (26) 560.	resistance to, (40) 344. wintering, (26) 143.
Ptillidae, catalogue, (26) 560. Ptinobius texanus n.sp., description, (36) 556. Ptochoryclis tsugensis n.sp., description, (27) 755.	wintering, (26) 143. interstitialis, notes, (40) 158.
Promaine poisoning—	kuehnii, description, (31) 145.
due to canned goods, (38) 208. relation to fowl typhoid bacillus, (32) 478.	kuehnii, notes, (38) 550. location of spore masses, (36) 825.
Ptomaines, formation in wounds, (38) 783.	malvacearum—
Ptosima novemmaculata, notes, (27) 863. Ptyalin—	as affected by external stimuli, (31) 326. biology, (32) 54.
as affected by neutral salts, (40) 504.	development, (30) 453; (31) 646. germination of teleutospores, (34) 744.
in horse saliva, (40) 778. Ptychodes trilineatus, studies, (38) 363.	notes (27) 751
iPublic—	relation to cells of host, (30) 652. spore formation in, (28) 745; (33) 145.
buildings, inspection in South Dakota, (33) 67. health—	Strictes, (26) 630; (31) 540.
and medicine at Pan American Scientific	transmission, (33) 445. treatment, (26) 750; (31) 245.
Congress, (38) 580. court decisions on, (35) 860.	treatment, (26) 750; (31) 245. maydis, notes, (35) 44; (37) 452.
handbook. (31) 387.	maydis, studies, (29) 45. menthae, notes, (37) 457.
laws, (31) 396. laws and regulations in Kansas, (32) 254.	mentuse on labanese behbermme, (22) 222.
laws in United States, (34) 661; (36) 663.	monograph, (26) 243.

Puccinia—Continued.	Pulex-
n.spp., descriptions, (28) 51	irritans, bionomics of, (31) 353.
n.spp. from the Andes, (40) 133.	irritans, notes, (26) 781.
North American species, descriptions, (31) 145. obtegens, gametophytic and sporophytic gen-	irritans, relation to leishmaniasis, (36) 654. serraticeps, relation to Leishmania, (28) 185.
erations in, (26) 844.	Pullets—
on Carex, North American species, (39) 147.	cost of raising, (34) 569. early hatched, for egg production, (34) 95, 377.
oryzae, notes, (37) 50. oryzae, studies, (34) 745.	early v. late hatched, (36) 72.
oxalidis, aecial stage, (40) 155.	feeding experiments, (30) 872; (31) 472; (32) 570;
peckiana and Caeoma interstitiale, relation,	(34) 370, 769.
(40) 155. phleipratensis—	late fall hatched, for egg production, (34) 178. Leghorn, cost of raising, (36) 770.
infection experiments, (34) 244.	management, (34) 69t, 796. ovariotomy of, (31) 572.
notes, (27) 445; (31) 344.	ovariotomy of, (31) 572.
origin, (35) 848. studies, (26) 52.	v. hens for egg production, (38) 677. Pulleys—
poculiformis, studies, (28) 53.	and belts, selection, (31) 500.
prostii, notes, (33) 741.	power transmitting capacity, (29) 488. tests, (28) 590.
pruni, life history, (27) 48. pruni, notes, (33) 54; (36) 845; (39) 850.	transmitting capacity, (28) 187.
pruni-persione n.sp., description, (28) 549.	Pulmonary emphysema, cause and treatment, (26)
pruni-spinosae-	486. Pulp—see also Paper pulp, Pulpwood, and Wood-
description, (35) 654.	pulp.
notes, (27) 850; (34) 352; (36) 750; (37) 550; (40) 749.	analyses, (31) 663.
psidii, notes, (28) 645; (29) 243.	and paper industry, bibliography, (29) 119.
pulsatillae, specialization of, (33) 545. purpurea, notes, (36) 541; (37) 452.	from waste resinous woods, (28) 512. manufacture, soda process, (31) 715.
relation to Uromyces, (26) 645.	mill refuse, analyses, (33) 723.
rhamni, negative heliotropism of urediniospore	mills of United States, (40) 641.
germ tubes, (33) 330. rubigo-vera, specialization, (37) 149.	Pulpwood—see also Woodpulp. consumption in 1917, (40) 543.
sp. on pinks, (35) 154.	from lack pine and hemlock, (27) 541.
spp., affecting Carex, revision, (26) 646.	industry in Canada, (26) 444; (32) 144; (34) 48; (36) 45; (37) 245, 748.
spp. as affected by host, (31) 540.	industry in United States, (30) 845; (38) 447.
spp., cardinal temperature for germination, (27)	of Brazil, (37) 452.
spp., culture studies, (32) 145.	production in Canada, (27) 443; (29) 344.
spp. in British East Africa, (37) 453.	purchasing, (37) 452. rate of replacement on cut-over land, (39) 145
spp., inoculation experiments, (28) 551; (30) 847; (31) 146.	Pulque, manufacture and use, (26) 715.
spp., life histories. (30) 745.	Pulse— crops, fungoid and insect pests, (40) 747.
spp., notes, (26) 346; (28) 443; (29) 445; (30) 240, 448, 746, 845; (33) 145, 146; (35) 47; (37) 550.	grains, effect on milk and butter, (34) 570.
spp. on corn in Barbados, (33) 445.	insects affecting, (28) 248; (30) 53.
SDD, on Geranium and Polygonum, (36) 547.	irregularities, in horses, (29) 671. rate in man after muscular work, (32) 664.
spp. on Onagraceae, (37) 552. spp., overwintering, (33) 647.	Pulses—
spp., overwintering and distribution in South	breeding experiments, (37) 827.
America, (38) 148. spp., parasitism, (38) 448.	relation to beriberi, (27) 461. Pulvinaria—
spp., spore germination, (38) 224.	acericola, notes, (33) 252.
spp., studies, (36) 542.	betulae, notes, (38) 464. floccifera in California, (35) 658.
spp., teleutospore formation, (34) 745. spp., treatment, (27) 746.	gasteralpha, life history, (33) 555.
ann wighility of talautaenarae (31) 540	jacksoni, notes, (28) 654.
spp., wintering in Bohemia, (28) 345.	n.spp., descriptions and parasites, (40) 61. psidii, notes, (27) 255; (31) 249; (35) 852; (40) 651.
Stipae, culture experiments. (36) 245.	vitis, see Maple scale, cottony.
spp., wintering in Bohemia, (28) 345. spongicsa, notes, (38) 848. stipae, culture experiments, (36) 245. susveolens, notes, (36) 48. susveolens on California thistic, (31) 153.	vitis ribesiae, notes, (26) 452, 556.
subvicions on California thistie, (31) 153. subnitions, aecial hosts, (38) 249.	Pumice soils of New Zealand, notes, (27) 513.
Silbhitans on silper heets. (31) 842	Pump— gas-driven, description, (26) 893.
tanaceti, notes, (28) 747. triticina, notes, (31) 641; (34) 845; (37) 749. vincae, biological observations, (39) 57.	slippage, calculations, (28) 186.
Vincae, biological observations, (39) 57.	Pumpernickel, making, (36) 159. Pumping—
Vincae, notes, (28) 350.	automobile engine for, (40) 188.
Pucciniaceae, monograph, (36) 647. Pucciniastrum—	by electricity, (27) 86. drainage, cost of, (34) 585.
myrtilli—	for drainage in Louisiana, (39) 292.
infection experiments, (30) 745.	irrigation, (29) 121, 181; (31) 587, 588; (33,
notes, (27) 648; (31) 646.	87; (37) 384. irrigation, cost, (33) 688; (36) 88.
inoculation experiments, (38) 253.	irrigation, cost, (33) 884.
new aecial hosts, (36) 245.	from wells, (40) 188.
new aecial hosts, (36) 245. on Abies lasiocarpa, (36) 651. on Epilobium adenocaulon, (38) 553.	machinery— for drainage (31) 784
pp., overwintering, (39) 553.	for drainage, (31) 784. for irrigation, (32) 187.
Fudding compound, examination, (30) 664.	notes, (30) 294, 385, 887.
_pp., overwintering, (39) 553. Pudding compound, examination, (30) 664. Puddings, recipes, (39) 760. Pueraria thunbergeana, notes, (27) 528.	testing, (35) 889. marl, tests, (39) 393.
ruerperar-	on irrigation projects, (40) 188.
diseases in cattle and their relation to meat oisoning, (34) 386.	plant for drainage, (29) 785.
mpsia, see Milk fever.	plant for irrigation, description, (27) 385. plants—
fever streptococci, sources, (36) 577.	centrifugal, for irrigation and drainage, (28)
Puffinus, notes, (38) 457.	890.

Pumping—Continued.	Purin—Continued.
plants—continued. for irrigation, (28) 83, 84, 484; (29) 784; (30)	metabolism—
485, 587; (36) 487, 888; (38) 186; (39) 792.	as affected by potassium salts, (28) 261.
of U.S. Reclamation Service, (38) 589.	biochemistry of, (31) 760; (32) 166. studies, (29) 63, 365; (30) 261.
reservoir capacity for, (38) 389.	z drams, formation in soils, (oz) ors.
small, notes, (31) 89.	Purple scale—
steam v. electric, (30) 289; (32) 588. tests and efficiency, (30) 85.	destruction by mites, (26) 553. notes, (27) 455; (32) 56; (34) 60. on citrus fruit, (39) 161.
Pumpkin-	on citrus fruit (30) 161
cake, analyses, (26) 165.	on olives. (38) 157.
canned, examination, (30) 664.	on olives, (38) 157. remedies, (26) 534; (31) 549; (40) 455. studies, (20) 756.
flies, notes, (26) 3!9.	studies, (26) 756.
mosaic, notes, (39) 853. set deake, acidity, (32) 259.	Furpura nemorrhagica, immunization, (28) 780.
soud cake and brun acidity of (35) 770	Purpura, treatment, (31) 378. Purslane sawfiles, notes, (29) 252.
seed cake and bran, acidity of, (35) 770. seeds, large v. small, (31) 634.	Purslane, water requirement, (32) 127.
seeds, oil from, (39) 9.	Pus accumulations, latent, biological detection,
seeds, sprouting, nutritive changes in, (27) 633.	(26) 278.
seeds, treatment, (40) 443.	Putnam's scale, notes, (28) 156.
stem borer, notes, (32) 347. Pumpkins—	Putorius anthogenys, susceptibility to plague,
analyses, (30) 565.	(26) 59. Putrefaction—
breeding experiments, (37) 827.	and fermentation, studies, (20) 308.
breeding experiments, (37) 827. calcium content, (39) 747.	as affected by fluorin, (32) 308.
canned, keeping in open tins, (39) 317.	bacteriology of, (28) 563.
composition and digestibility, (38) 571.	intestinal, (27) 465; (30) 262.
culture, (27) 32. culture experiments, (37) 742.	of meat, game, and fish, (34) 163. Puzzolan mixtures for roads, (30) 290.
digestion coefficients, (39) 171.	Pycnobaris spp., notes, (30) 357.
drying, (37) 509.	Pycnoderes quadrimaculatus, notes, (26) 452; (29)
fertilizer experiments, (37) 742.	453.
germination as affected by depth of planting,	Pycnometer, description, (31) 811.
(36) 438.	Pycnoscelus surinamensis, notes, (39) 761.
growing with corn, (40) 230. insects affecting, (27) 453.	Pycnosoma megacephala, notes, (29) 482. Pyclonephritis, effect on milk, (32) 479.
parthenogenesis in, (29) 837.	Pyemia due to Bridre-Sivori bacillus, (40) 683.
transformation of nitrogen by, (29) 133.	Pyemia in horses, (29) 179.
use by prehistoric Americans, (38) 167.	Pyobacillosis—
varieties, (26) 233.	in pigs, (30) 484.
water requirement, (32) 127. Pumps—	of mammary gland, description, (32) 376. Pyobacillus of sheep and goats, (27) 887.
air lift, investigations, (27) 892.	Pyocyanase, properties of, (29) 378.
American Humphrey, description, (33) 488.	Pyocyancus infection in dogs, (26) 280.
centrifugal—	Pyolymphangitis, equine, causative agent, (26) 460.
air pump for priming, (30) 588.	Pyometritis—
balancing devices for, (30) 288.	in cows, treatment, (26) 286.
capacity, (27) 140.	in horses, investigations, (26) 287. Pyotherapy—
for irrigation, (31) 588. manual, (37) 585.	aseptic, notes, (38) 588.
motors for, (33) 690.	in treatment of harness wounds, (39) 85.
motors for, (33) 690. notes, (29) 893.	in treatment of lymphangitis, (39) 791.
operation, (31) 188. priming, (34) 87.	local reactions in, (39) 185, 680.
prining, (34) 87.	studies, (40) 285, 883. Pyovaccination, studies, (40) 289.
rating chart for, (32) 485. specifications, (28) 484.	Pyracmon conocola n.sp., description, (38) 164.
tests, (20) 89. troatise, (34) 482. deep-well, description, (33) 488. for irrigation, (28) 889; (34) 482; (77) 283, 585, 786.	
treatise, (34) 482.	Pyralid— moth borer, new, (33), 45' new, from California, (4, 4766,
deep-well, description, (33) 488.	new, from California, (1766. Pyralidae of Bermuda, (34) 63.
motor-driven deep-well, maintenance cost, (37)	Pyralide of Bermuda, (34) 68. Pyralids, new, from British Guiana, (37) 564.
585	Pyralis—
motor-driven, design and operation, (29) 489. motors for, (30) 87. operation, (28) 893.	farinalis, see Meal moth.
motors for, (30) 87.	vitana, biology and control, (33) 555.
operation, (28) 893.	Pyrameis cardui, studies//\$2) 851.
email contributed tosts (33) 690	Pyramidone, periodids ons (3) 318. Pyrausta— (3)
reijnrocating, notes, (29) 292. small centrifugal, tests, (33) 690. small v. large, (28) 186.	nubilalis, see Corn bur , European.
two-stage turbine, tests, (29) 893. use in drainage, (26) 589, 789; (34) 283.	penitalis and P. nubu. 48, notes, (40) 756.
use in drainage, (26) 589, 789; (34) 283.	vastatrix, notos, (20) 42. Pyraustinae, North American, notes, (37) 564.
Funya Durk, liber from, (5/) 550.	Pyrellia eriophthalma, hibernation, (34) 254.
Princeio (34) 803	Pyrenochaeta-
	bergevini, notes, (30) 448.
(28) 93, 396; (29) 698; (30) 796; (31) 197, 600; (32)	elodeae n.sp., description, (34) 840.
198; (33) 99; (34) 495; (35) 596, 697, 900; (37) 97,	Pyrenopeziza medicaginis—
(28) 93, 396; (29) 698; (30) 798; (31) 197, 600; (32) 198; (33) 99; (34) 495; (35) 596, 697, 900; (37) 97, 196, 497, 700, 896; (38) 96, 198, 399, 600, 797; (39)	notes, (36) 248. studies, (39) 354.
95, 300, 695; (40) 496, 696, 900. Purin—	Pyrethrum—
bases, determination in urine and blood, (34)	and its culture, (40) 151.
412.	insecticidal value, (31) 350; (39) 762.
bases in food materials, (40) 205.	manganese content, (38) 207.
bases of muscles, behavior during fatigue, (29)	studies, (40) 752. Pyrethrums, varieties, (34) 836.
366. bodies, studies, (29) 63.	Pyrheliometers, comparison, (38) 210.
compounds, decomposition in digestive canal,	Pyridin—
(33) 263.	bases, detection in ethyl alcohol, (29) 312.
content of foods, (26) 355.	derivatives, antineuritic properties, (35) 711.

Pyridin—Continued.	Pythium—Continued.
derivatives in soils. (32) 718.	debaryanum—continued.
detection in vinegar, (26) 209. determination, (26) 709.	inoculation experiments, (28) 750. notes, (26) 548, 747; (27) 45, 544, 728; (28) 246; (29) 549, 647; (31) 55; (37) 118.
determination, (26) 709.	notes, (26) 548, 747; (27) 46, 544, 728; (28)
disappearance in soils, (36) 432, 725.	240; (29) 349; (41; (31) 30; (31) 118.
effect on plant growth, (36) 212. effect on soil organisms, (31) 27; (38) 420.	on conifer seedlings, (40) 545. relation to potato leak, (35) 751.
in soils, studies, (38) 119, 129.	relation to sugar beet damning off (32)246
insecticidal action, (26) 758.	treatment, (27) 655; (30) 846; (31) 448, 647; (36) 547; (38) 149.
relation to aroma of coffee, (31) 165.	(36) 547; (38) 119.
separation from ammonia, (26) 709.	gracile, notes, (27) 747; (28) 241.
sterilization of soils by, (32) 816. vapor larvioidal value, (34) 359.	palmivorum—
Vapor inrvioldal value, (34) 359.	description and treatment, (32) 149.
Pyrilla aberrans, studies, (38) 462. Pyrillovenos compactus n.g. and n.sp., description,	notes, (27) 353, 751; (28) 241; (34) 643; (36) 47; (38) 354.
(32) 851.	sp., affecting cotton, (29) 749.
Pyrites, production and use in 1911, (29) 213.	Pyxinia n.spp., descriptions, (37) 558.
Pyritic cinder, fertilizing value, (29) 129.	Quack grass—
Pyrocatechin—	creeping rootstock of, (31) 37.
effect on cyanogen formation in plants, (28) 527.	description and eradication, (36) 638.
presence in plants, (38) 223.	destroyer, analyses, (30) 697.
utilization by plants, (36) 329. Pyroderces—	dissemination of fungi by, (28) 442. eradication, (27) 31; (28) 235, 834; (30) 738; (31) 438; (32) 530; (34) 339; (35) 35; (37) 227; (40)
rileyi—	438 (39) 530 (24) 330 (35) 35 (37) 397 (40)
description, (37) 564.	734.
notes, (27) 657; (36) 56; (40) 453.	identification, (29) 741.
studies, (35) 256.	Quail—
spp., notes, (27) 862. Pyrogallic acid, effect on action of soil organic	California valley, destruction with poisoned
Pyrogalic acid, effect on action of soil organic	California valley, destruction with poisoned
compounds, (34) 127.	Darry, (34) 850.
Pyrogallol— effect on—	California valley, notes, (31) 846.
cyanogen formation in plants, (28) 527.	coccidiosis in, (26) 187. domestication, (33) 381.
nitrification in soil (38) 110	food habits, (39) 860.
plant growth, (36) 212.	guano, analyses, (28) 523.
soils, (28) 123.	guano, analyses, (28) 523. propagation, (28) 752.
extraction with ether, (37) 414.	valley, eating of alfalfa weevil by, (31) 655.
Parel exitues consering to (28) 520.	Quamasia—
plant growth, (36) 212. soils, (28) 123. extraction with ether, (37) 414. relation to soil "sickness," (28) 520. Pyrol, culture experiments, (31) 829. Pyroligneous acid, production from wood, (28) 50. Pyromeuric acid, cleavage by mold engyms, (30)	spp., notes, (35) 730.
Pyromucuric acid, cleavage by mold enzyms, (30)	walpolei n.sp., description, (35) 730. Quarantine—
503.	laws, animal. (32) 679.
Pyronia, description, (35) 743.	laws, animal, (32) 679. regulations, discussion, (27) 400. regulations in Canada, (31) 80.
Pyronota festiva, notes, (28) 757.	regulations in Canada, (31) 80.
Pyrophorus—	service, federal, sanitary police work in, (27) 77,
luminosus, notes, (32) 555.	Oracorio autocat impacticidal value (00) EF
of America, revision, (40) 655. Pyrophosphate—	Quassia extract, insecticidal value, (38) 55. Quassiin, insecticidal value, (32) 649; (34) 355.
assimilation by plants, (29) 624.	Quaternary halids in dye making. (40) 711
Giana, fertilizing value, (26) 42.	Quaternary halids in dye making, (40) 711. Quobec Society for the Protection of Plants from Insects and Fungus Diseases, (32) 151.
Pyrophosphoric acid—	Insects and Fungus Diseases, (32) 151.
esters of inosit, (27) 712.	Quediachia idientzh, notes, (21) 541.
relation to toxicity of cottonseed meal, (29) 76.	Quebracho—
Pyropolyporus— calkinsii, notes, (26) 751.	red, studies, (36) 745.
everhartii as a wound parasite, (32) 752.	wood, uses and substitutes, (27) 347. Quercetin, determination in wine, (31) 412.
everhartii as a wound parasite, (32) 752. ribis, notes, (32) 441. Pyroracemic acid, del teleposition by dead plants, (37) 201. Pyrora—	Quercus—
Pyroracemic acid, del tell position by dead plants,	agrifolia, Christmas-berry tingis affecting, (26)
(37) 201.	148.
	emoryi, notes, (27) 647.
analyses, (26) 65. fungicidal value, (37) 447; (38) 235.	garryana, notes, (27) 846.
insecticidal value, (34) 147.	morehus, common name for, (36) 243. n.spp. of lower California, (34) 827.
Pyrrnopyge sp., notes, (30) 657.	nigra, heart rot affecting, (26) 751.
Pyrrhula curopaea, feedi sphabits, (28) 450.	of eastern North America, (33) 646.
Pyrrhula curopaea, feeding habits, (28) 450. Pyrrolic acid, effect our corophyll formation, (35)	Quicklime—
400.	and calcium arsenate spray, (39) 311.
Pyrus— 36 h	effect on carbon dioxid content of soil air, (39)
baccata, notes, (28) 23. malus, inflorescence and fruit of, (36) 331.	effect on organic matter in soils, (35) 522,
rivularis as a stock for cultivated apples, (32)	effect on soils, (30) 127.
45.	fertilizing value, (30) 839.
sinensis, studies, (29) 541.	treatment of wheat, (40) 337.
spp., host of apple aphis, (28) 251.	Quince-
spp. inoculation experiments with brown rot fungus, (33) 247.	blight, notes, (31) 644; (34) 648. blotch, notes, (30) 541.
Pythiacystis—	blotch studies (97) 859- (92) 947
citricola, notes, (29) 243.	horer notes (38) 465
citrophthora—	crown gall, notes, (28) 447.
description, (34) 353.	curculio, notes, (36) 856.
growth in cultures, (38) 757.	diseases, notes, (33) 741; (37) 51; (38) 50.
notes, (30) 51, 749.	diseases, treatment, (33) 349; (34) 50.
studies, (33) 55, 550. treatment, (35) 754.	fire blight notes (20) 240 040
sp. on avocado, (37) 555.	blotch, notes, (40) 24. blotch, studies, (27) 652; (33) 247. borer, notes, (38) 455. crown gall, notes, (38) 856. diseases, notes, (38) 856. diseases, treatment, (33) 349; (34) 50. fire blight, description, (33) 447. fire blight, description, (33) 447. fire blight, notes, (29) 348, 348. fruit spot, notes, (29) 547. Jananese, destruction (26) 334.
sp. on deciduous nursery stock, (34) 353, 646.	Japanese, destruction. (26) 334.
Pythium—	Japanese, destriction, (26) 334. Japanese, fruit of, (34) 256.
debaryanum—	Japanese, petalization, (38) 446. juice, fermentation, (29) 116.
description, (31) 51, 448.	juice, fermentation, (29) 116.
detection in potato tissue, (39) 248.	leaf blight, investigations, (33) 347.

leaf disease, treatment, (39) 548.	Rabbits—Continued.
leaf snot description and treatment (20) 650	cottontail, damage from, (34) 751. cross-breeding experiments, (34) 370, 466.
orange rust, notes, (35) 351. oriental peach moth on, (39) 259. parasitic disease of, (33) 51. pear graft hybrid, description, (30) 740. rot, studies, (39) 756.	dissemination of anthrax by, (28) 678.
oriental peach moth on, (39) 259.	elect on vegetation, (37) 758.
parasitic disease of, (33) 51.	English, unit-character constants in, (33),267.
rot, studies, (39) 756.	epidemic disease in, (29) 677. factors affecting pulse rate, (28) 768.
ruso, new, description, (at) sta.	growth of, (30) 467.
rust, notes, (26) 52; (32) 645.	host of spotted fever tick, (26) 64.
seeds, hydrocyanic acid content, (27) 11. stocks for pears, (39) 447; (40) 444.	immunity to Bacillus suipesticus, (26) 184. immunity to hog cholera bacillus, (38) 382.
Quinces—	immunization against—
acidity, (32) 110; (37) 715. culture in New York, (35) 836.	anthrax, (29) 378; (31) 82.
diseased, plaster cust of, (31) 748.	fowl cholera, (31) 485, 872.
drying, (37) 509.	immunization against— anthrax, (29) 378; (31) 82. fowl cholera, (31) 485, 872. hemorrhagic septicemia, (28) 881. rabies, (30) 282; (32) 180. tubergulosis (28) 85; (30) 480
fibro-vascular system, (29) 542.	tuberculosis, (26) 85; (29) 480.
insects affecting, (38) 843.	infection with avian tuberculosis, (26) 583; (30)
pear thrips affecting, (27) 156. pruning and training, (37) 344.	183. inheritance—
reducing and nonreducing sugars in, (29) 503.	in, (34) 864.
spray calendar, (39) 242.	of coat color in, (28) 768; (33) 757. of size in, (32) 573.
spraying, (27) 439; (37) 744.	of size in, (32) 573.
susceptibility to bitter pit, (31) 244.	injection with protein-free antigen and antigen- serum mixture, (27) 382
varieties for New Jersey, (33) 439. varieties in Oklahoma, (27) 241.	serum mixture, (27) 382. male, as affected by poisons, (31) 876.
Quincy valley, wash, irrigation project, (29) 486.	metabolism experiments, (28) 261.
Quinin— determination in headache tablets, (27) 499.	milk, composition, (40) 775.
effect on production of egg yolk and albumin,	morphology and function of epithelium of uterine cornua, (28) 875.
(40) 664.	morphology of blood, (28) 777.
effect on respiration of pea seed, (26) 729.	normal temperature of, (28) 351.
hydrochlorate, effect on starch ferments, (27) 109.	notes, (28) 653. of Laysan Island, (27) 549.
hydrochlorid—	protecting trees against, (27) 344.
as an antisoptic, (34) 383	raising, (27) 374.
toxicity toward plants, (34) 526.	relation to tapeworms in pigs, (29) 492.
use in preparation of vaccine, (35) 380. in animal tissues and liquids, (40) 382.	spermatogenesis, (35) 167. transfused, agglutinating principle in blood,
industry of Dutch East Indies, (30) 697.	(39) 584.
methods of analysis, (37) 113.	transplanting of ovaries in, (28) 173. treatise, (31) 370, 770; (33) 174; (38) 174.
use against fowl cholera, (30) 286. use against gaseous gangrene, (34) 383.	tuberculous, cell content of blood, (28) 283.
use against rabies, (29) 883; (31) 480; (33) 580, 774.	typhoid-like disease in, (29) 288.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin—	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29)
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda, notes and remedies, (29) 558. Rabies—
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dyo making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda, notes and remedies, (29) 558. Rabies—
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 119, 129.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda, notes and remedies, (29) 558. Rabies—
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiet, (38) 119, 129. insecticidal action, (26) 758.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda, notes and remedies, (29) 558. Rabies—
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 119, 129.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda, notes and remedies, (29) 558. Rabies—
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (38) 432, 725. effect on plant growth, (36) 212. in soils, studies, (38) 119, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on—	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophagn saliciperda, notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 670; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studies, (38) 119, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of fertilizers, (26) 224; (27) 520.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prafrie dogs, (38) 80.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 119, 129. insecticidal action, (26) 758. insecticidal action, (26) 758. unsecticidal and larvicidal value, (34) 359. Quinone— effect on— action of lertilizers, (26) 224; (27) 520. plant growth, (34) 128.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prafrie dogs, (38) 80.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 119, 129. insecticidal action, (26) 758. insecticidal action, (26) 758. unsecticidal and larvicidal value, (34) 359. Quinone— effect on— action of lertilizers, (26) 224; (27) 520. plant growth, (34) 128.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophagn saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hreditary transmission, (36) 383.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 119, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenelate theory of indicators, (36) 711; (37)	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophagn saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hreditary transmission, (36) 383.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 119, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenelate theory of indicators, (36) 711; (37)	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prafrie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hcreditary transmission, (36) 383. immunization, (26) 579, 552, 676, 782; (30) 281, 282; (31) 880, (32) 180; (33) 387; (37) 480, 690;
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 119, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of lertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. R&b, substitutes for, (32) 722.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 676; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prafrie dogs, (38) 80. epizootic. in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (20) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (33) 580. infectivity of saliva during presymptomatic
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studies, (38) 119, 129. insecticidal and latvicidal value, (34) 359. Quinone— effect on— effect on— action of lertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 327. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Ráb, substitutes for, (32) 722. Ráb, use in preparing rice seed beds, (35)[138.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophagn saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880, hereditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studies, (38) 119, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Råb, substitutes for, (32) 722. Råb, use in preparing rice seed beds, (35)[138.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophagn saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880, hereditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studies, (38) 119, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (34) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Råb, substitutes for, (32) 722. Råb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock polsoning by, (39) 787.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophagn saliciperda,notes and remedies, (29) 558. Rables— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 676; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. diseamination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (36) 75; (36) 79; (40) 86. organism, cultivation, (30) 79.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 119, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of lertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Råb, substitutes for, (32) 722. Råb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 676; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prafrie dogs, (38) 80. epizootic. in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (20) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (33) 580. infectivity of saliva during presymptomatic stago, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 79. outbreak, (39) 582.
use against rables, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studies, (38) 119, 129. insecticidal and latvicidal value, (34) 359. Quinone— effect on— action of lertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 327. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Ráb, substitutes for, (32) 722. Ráb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 magrophages, fixation of tetanus antitoxin by,	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophagn saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 290. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 580. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prafrie dogs, (38) 80. epizootic. in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (26) 579, 552, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 70. outbreak, (39) 582. outbreak in sheep, (28) 586.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 118, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of lertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Réb, substitutes for, (32) 722. Réb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macrophages, fixation of tetanus antitoxin by, (26) 177.	typhoid-like disease in, (29) 288. vifality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 70. outbreak, (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271.
use against rables, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 118, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Råb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macrophages, fixation of tetanus antitoxin by, (26) 177. mest, organic bases in, (26) 563. serum, anabylyatoxin produced in, (37) 579.	typhoid-like disease in, (29) 288. vifality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 670; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (38) 80, 880. disease resembling, in dogs, (26) 280. diseamination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic. in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 70. outbreak, (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (28) 881. prevalence in Germany, (28) 583.
use against rables, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 118, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Råb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macrophages, fixation of tetanus antitoxin by, (26) 177. mest, organic bases in, (26) 563. serum, anabylyatoxin produced in, (37) 579.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (20) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 70. outbreak, (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (28) 881. prevalence in Germany, (28) 583. prevalence in Germany, (28) 583. prevalence in Germany, (28) 583.
use against rables, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studies, (38) 118, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (31) 128. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Ráb, substitutes for, (32) 722. Ráb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macrophages, fixation of tetanus antitoxin by, (26) 177. mett, organic bases in, (26) 563. serum, anaphylatoxin produced in, (37) 579. serum, proteins of, (28) 875. skin clippings, fertilizing value, (29) 129.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophagn saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 676; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. diseamination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (36) 75; (36) 79; (40) 86. organism, cultivation, (30) 79. outbreak; (39) 582. outbreak; (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (22) 881. prevalence in Germany, (28) 583. prevalence in Fhilippines, (26) 89. prevalence in Fusisia, (27) 181.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studies, (38) 119, 129. insectical and larvicidal value, (34) 359. Quinone— effect on— action of lertilizers, (26) 224; (27) 520. plant growth, (33) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quiltor, Bayer's operation, (27) 576. Råb, substitutes for, (32) 722. Råb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macrophages, fixation of tetunus antitoxin by, (26) 177. meat, organic bases in, (26) 563. serum, anaphylatoxin produced in, (37) 579. serum, proteins of, (28) 875. skin clippings, fertilizing value, (29) 129. ticks, parasite of, (26) 863. Rabbits—	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prafrie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 70. outbreak; (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (28) 881. prevalence in Germany, (28) 583. prevalence in Germany, (28) 583. prevalence in Prussia, (27) 181. quiet, in bovines, (20) 485. relation to fly larvac, (27) 560.
use against rables, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 118, 129. insecticidal action, (26) 758. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Råb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macroplages, fixation of tetanus antitoxin by, (26) 177. meat, organic bases in, (28) 563. serum, anaphylatoxin produced in, (37) 579. serum proteins of, (28) 875. skin clippings, fertilizing value, (29) 129. ticks, parasite of, (26) 863. Rabbits— agouti-lanck color in, (29) 466.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (38) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 70. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (28) 881. prevalence in Philippines, (26) 89. prevalence in Philippines, (26) 89. prevalence in Pussis, (27) 181. quiet, in bovines, (20) 485. relation to fly larvae, (27) 560. review of literature, (30) 79.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studies, (38) 119, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of lertilizers, (26) 224; (27) 520. plant growth, (33) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Ráb, substitutes for, (32) 722. Ráb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macrophages, fixation of tetanus antitoxin by, (26) 177. meat, organic bases in, (26) 563. serum, anaphylatoxin produced in, (37) 579. serum, proteins of, (28) 875. skin clippings, fertilizing value, (29) 129. ticks, parasite of, (26) 863. Rabbits— agouti-hack color in, (29) 466. Angora, rearing for wool, (39) 279.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic. in Brazil, (27) 285. etiology, (31) 880. hcreditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 79. outbreak, (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (28) 881. prevalence in Germany, (28) 583. prevalence in Germany, (28) 583. prevalence in Philippines, (26) 89. prevalence in Prussia, (27) 181. quiet, in bovines, (20) 182. relation to fly larvae, (27) 560. review of literature, (30) 79. studies, (40) 183.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. In soils, studiev, (38) 119, 129. insecticidal action, (26) 758. Insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Råb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macroplages, fixation of tetanus antitoxin by, (26) 177. meat, organic bases in, (26) 663. serum, anaphylatoxin produced in, (37) 579. serum, proteins of, (28) 875. skin clippings, fertilizing value, (29) 129. ticks, parasite of, (26) 863. Rabbits— agouti-black color in, (29) 466. Angora, rearing for wool, (39) 279. as a post in Alaska, (32) 54. as affected by killed tubercle bacilli, (28) 377.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic. in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 883. immunization, (26) 579, 552, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 79. outbreak; (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (28) 881. prevalence in Philippines, (26) 89. prevalence in Prussia, (27) 181. quiet, in bovines, (20) 485. relation to fly larvae, (27) 560. review of literature, (30) 79. studies, (40) 183. treatise, (29) 679, 883; (31) 480; (33) 590, 774;
use against rables, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 118, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (31) 128. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Ráb, substitutes for, (32) 722. Ráb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macrophages, fixation of tetanus antitoxin by, (26) 177. meat, organic bases in, (26) 563. serum, anaphylatoxin produced in, (37) 579. serum, proteins of, (28) 875. skin clippings, fertilizing value, (29) 129. ticks, parasite of, (26) 863. Rabbits— agouti-luck color in, (29) 466. Angora, rearing for wool, (39) 279. as a pest in Alaska, (32) 54. as affected by killed tubercle bacilli, (28) 377. Bacterium tularense in, (33) 451.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophagn saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 676; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (38) 80, 880. disease resembling, in dogs, (26) 280. disease resembling, in dogs, (26) 280. diseamination by partirle dogs, (38) 80. epizootic, in Brazil, (27) 285. disemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri hodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (36) 75; (36) 79; (40) 86. organism, cultivation, (30) 79. outbreak, (39) 582. outbreak, (39) 582. pupers on, (32) 271. paralysis in, (28) 881. prevalence in Germany, (28) 583. prevalence in Prussia, (27) 181. quiet, in bovines, (20) 485. relation to fly larvae, (27) 560. review of literature, (30) 79. studies, (40) 183. treatise, (29) 679. treatment, (29) 679, 883; (31) 480; (33) 580, 774; (35) 575.
use against rables, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 118, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of lertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Réb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macroplages, fixation of tetanus antitoxin by, (26) 177. meat, organic bases in, (28) 563. serum, anaphylatoxin produced in, (37) 579. serum, proteins of, (28) 875. skin clippings, fertilizing value, (29) 129. ticks, parasite of, (26) 863. Rabbits— agouti-lanck color in, (29) 466. Angora, rearing for wool, (39) 279. as a pest in Alaska, (32) 54. as affected by killed tubercle bacilli, (28) 377. Bacterium tularense in, (33) 451. breeding, (30) 874.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic. in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 70. outbreak; (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (28) 881. prevalence in Germany, (28) 583. prevalence in Frussia, (27) 181. quiet, in bovines, (26) 485. relation to fly larvac, (27) 560. review of literature, (30) 79. studies, (40) 183. treatise, (29) 679, 883; (31) 480; (33) 580, 774; (35) 575; virus—
use against rables, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 118, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (31) 128. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Råb, substitutes for, (32) 722. Råb, use in preparing rice seed beds, (35) 138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macrophages, fixation of tetanus antitoxin by, (26) 177. meat, organic bases in, (26) 663. serum, proteins of, (28) 875. skin clippings, fertilizing value, (29) 129. ticks, parasite of, (26) 863. Rabbits— agouti-lanck color in, (29) 466. Angora, rearing for wool, (39) 279. as a pest in Alaska, (32) 64. as aflected by killed tubercle bacilli, (28) 377. Bacterium tularense in, (33) 451. breeding, (30) 874. breeding, economic significance, (26) 669.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (38) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 79. outbreak, (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (28) 881. prevalence in Pinlippines, (26) 89. prevalence in Prussia, (27) 181. quiet, in bovines, (20) 485. relation to fly larvae, (27) 580. review of literature, (30) 79. studies, (40) 183. treatise, (29) 679. treatment, (29) 679, 883; (31) 480; (33) 530, 774; (35) 575. virus— action of ether on, (39) 588. as affected by phenols, (26) 88.
use against rabies, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. In soils, studies, (38) 119, 129. insecticidal action, (26) 758. Insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (34) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Råb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macroplages, fixation of tetanus antitoxin by, (26) 177. ment, organic bases in, (26) 563. serum, anaphylatoxin produced in, (37) 579. serum, proteins of, (28) 875. skin clippings, fertilizing value, (29) 129. ticks, parasite of, (26) 863. Rabbits— agouti-liack color in, (29) 466. Angora, rearing for wool, (39) 279. as a pest in Alaska, (32) 54. as affected by killed tubercle bacilli, (28) 377. Bacterium tularense in, (33) 451. breeding, (30) 874. breeding, (30) 874. breeding in Germany, (32) 173.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (20) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 79. outbreak, (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (22) 881. prevalence in Germany, (28) 583. prevalence in Fusia, (27) 181. quiet, in bovines, (20) 485. relation to fly larvae, (27) 560. review of literature, (30) 79. studies, (40) 183. treatise, (29) 679, 883; (31) 480; (33) 590, 774; (35) 575. virus— action of ether on, (39) 588. as affected by phenols, (26) 88. culture experiments, (31) 379.
use against rables, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studievi, (38) 118, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Råb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macrophages, fixation of tetanus antitoxin by, (28) 177. meat, organic bases in, (26) 563. serum, anaphylatoxin produced in, (37) 579. serum, proteins of, (28) 875. skin clippings, fertilizing value, (29) 129. ticks, parasite of, (26) 863. Rabbits— agouti-lack color in, (29) 466. Angora, rearing for wool, (39) 279. as a pest in Alaska, (32) 54. as affected by killed tubercle bacilli, (28) 377. Bacterium tularense in, (33) 451. breeding, (30) 874. breeding, (30) 874. breeding in Germany, (32) 173. breeds and breeding, (38) 577. care and feeding, (28) 173.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophagn saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 670; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (38) 80, 880. disease resembling, in dogs, (26) 280. diseamination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic, in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (26) 579, 582, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 70. outbreak, (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (28) 881. prevalence in Philippines, (26) 89. review of literature, (30) 79. studies, (40) 183. treatise, (29) 679. treatment, (29) 679, 883; (31) 480; (33) 590, 774; (35) 575. virus— action of ether on, (30) 588. as affected by phenols, (26) 88. culture experiments, (31) 379. filtrate, studies, (31) 550.
use against rables, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studiev, (38) 118, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of lertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Råb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macroplages, fixation of tetanus antitoxin by, (20) 177. meat, organic bases in, (28) 563. serum, anaphylatoxin produced in, (37) 579. serum, proteins of, (28) 863. Rabbits— agouti-lanck color in, (29) 466. Angora, rearing for wool, (39) 279. as a pest in Alaska, (32) 54. as affected by killed tubercle bacilli, (28) 377. Bacterium tularense in, (38) 451. breeding, (30) 874. breeding, (30) 874. breeding, (60) 674. breeding, (60) 874. breeding, (60) 877. care and feeding, (28) 173. care and deeding, (28) 173. care and management, (37) 775.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophagn saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 676; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (38) 80, 880. disease resembling, in dogs, (26) 280. disease resembling, in dogs, (26) 280. diseamination by prairie dogs, (38) 80. epizootic. in Brazil, (27) 285. disemination by prairie dogs, (38) 80. epizootic. in Brazil, (27) 285. etiology, (31) 880. hereditary transmission, (36) 383. immunization, (26) 579, 552, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 79. outbreak; (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (28) 881. prevalence in Germany, (28) 583. prevalence in Philippines, (29) 89. prevalence in Philippines, (29) 89. prevalence in Philippines, (27) 181. quiet, in bovines, (20) 485. relation to fly larvae, (27) 560. review of literature, (30) 79. studies, (40) 183. treatise, (29) 679. treatment, (29) 679. filtrate, studies, (31) 580. pussage through ocular conjunctival mucous membrane, (39) 788.
use against rables, (29) 883; (31) 480; (33) 580, 774. Quinolin— as a wood preservative, (27) 314. bases in dye making, (40) 710. disappearance in soils, (36) 432, 725. effect on plant growth, (36) 212. in soils, studievi, (38) 118, 129. insecticidal action, (26) 758. insecticidal and larvicidal value, (34) 359. Quinone— effect on— action of iertilizers, (26) 224; (27) 520. plant growth, (31) 126. soil microorganisms, (31) 27. wheat, (28) 140; (34) 325. phenolate theory of indicators, (36) 711; (37) 409; (40) 202. Quittor, Bayer's operation, (27) 576. Råb, use in preparing rice seed beds, (35)[138. Rabbit— brush, stock poisoning by, (39) 787. ear mange, notes, (35) 80. injuries to apple trees, prevention, (34) 250 macrophages, fixation of tetanus antitoxin by, (28) 177. meat, organic bases in, (26) 563. serum, anaphylatoxin produced in, (37) 579. serum, proteins of, (28) 875. skin clippings, fertilizing value, (29) 129. ticks, parasite of, (26) 863. Rabbits— agouti-lack color in, (29) 466. Angora, rearing for wool, (39) 279. as a pest in Alaska, (32) 54. as affected by killed tubercle bacilli, (28) 377. Bacterium tularense in, (33) 451. breeding, (30) 874. breeding, (30) 874. breeding in Germany, (32) 173. breeds and breeding, (38) 577. care and feeding, (28) 173.	typhoid-like disease in, (29) 288. vitality as affected by lead, (32) 861. Rabdophaga saliciperda,notes and remedies, (29) 558. Rabies— a typical case of, (26) 280. control, (36) 880; (37) 274, 577. diagnosis, (26) 679; (27) 475, 479; (28) 881; (31) 283, 580; (33) 180; (36) 80, 880. disease resembling, in dogs, (26) 280. dissemination by bats, (27) 285. dissemination by prairie dogs, (38) 80. epizootic. in Brazil, (27) 285. etiology, (31) 880. hcreditary transmission, (36) 883. immunization, (26) 579, 552, 676, 782; (30) 281, 282; (31) 880; (32) 180; (33) 387; (37) 480, 690; (38) 580. infectivity of saliva during presymptomatic stage, (30) 682. Negri bodies in, (29) 379; (36) 179. notes, (26) 373; (27) 77, 884; (35) 75; (36) 79; (40) 86. organism, cultivation, (30) 79. outbreak; (39) 582. outbreak in sheep, (28) 586. papers on, (32) 271. paralysis in, (28) 881. prevalence in Philippines, (26) 89. prevalence in Prussia, (27) 181. quiet, in bovines, (26) 485. relation to fly larvac, (27) 560. review of literature, (30) 79. studies, (40) 183. treatise, (29) 679. treatment, (29) 679, 883; (31) 480; (33) 590, 774; (35) 575. virus— action of ether on, (30) 588. as affected by phenols, (26) 88. culture experiments, (31) 379. filtrate, studies, (31) 580. pussage through ocular conjunctival

Rachisia spiralis n.g. and n.sp., description, (30) 351.	Radishes—Continued.
Radiant energy, effect on plant processes, (27) 521;	stimulation with—
(30) 223, 431.	electricity, (28) 326. nonessential elements, (39) 730.
Radiation— atmospheric, (36) 19; (38) 210.	sulphur in, (31) 817.
nocturnal, meteorological conditions affecting,	susceptibility to cabbage club root, (28) 547.
(30) 211.	utilization of atmospheric nitrogen by, (33) 627;
solar, see Solar radiation.	(34) 218.
terrestrial, studies, (36) 617.	utilization of sugar by, (36) 125.
zones of the earth, (26) 118.	varieties. (35) 537; (37) 143.
Radioactive	watering, continuous, (37) 513.
deposit from atmosphere, (34) 615. earth, fertilizing value, (33) 123. emanations of soils, (31) 20.	winter storage, (38) 442.
earth, fertilizing value, (33) 123.	Radium—
emanations of soils, (31) 20.	as fertilizer, (32) 821; (35) 133. effect on blood, (40) 767.
emanations, relation to weather, (10) 314.	effect off blood, (40) 707.
fertilizer, effect on growth of oat's, (35) 218. fertilizer, tests, (32) 519. minerals, effect on wheat, (27) 826. ores, fertilizing value, (27) 128; (34) 821, 822; (35)	effect on germination of seeds, (34) 626, 730, effect on plants, (34) 223; (36) 526.
minerals offeet on wheat (27) 896	emanation and weather at Manula, (33) 717.
ores, fertilizing value, (27) 128: (34) 821, 822: (35)	emanation from water, (38) 510.
628; (39) 116.	emanations-
products in the atmosphere, (30) 619.	effect on plant growth, (31) 821.
rays, researches with, (30) 202.	in soils. (27) 418.
substances as fertilizers, (32) 324.	of the atmosphere, (31) 20, 511; (33) 211.
Radioactivity—	of the atmosphere, (31) 20, 511; (33) 211. fertilizing value, (33) 625; (34) 31, 331.
determination, (36) 414.	forcing plants with, (29) 151.
determination in water, (35) 187.	illumination, effect on plants, (27) 134.
effect on— derelapment of plants (28) 520 731	in honey, (37) 570. in soils of United States, (31) 418.
development of plants, (28) 529, 731. germination, (29) 326; (30) 131.	in water from Gulf of Mexico, (34) 118.
plant growth, (30) 29, 224, 524, 825; (31) 129;	manufacture waste, fertilizing value, (30) 821.
(32) 34; (35) 523.	manufacture waste, fertilizing value, (30) 821. nature and use, (26) 580.
soil organisms, (33) 23.	rays, effect on seedlings (27) 630.
in Minnesota Solis. (33) 417.	therapy, effect on metabolism in lymphatic
of soil gas, (33) 211.	therapy, effect on metabolism in lymphatic leukemia, (37) 267. treatment of leukemia, effect on metabolism,
of soil gas, (33) 211. soils and water, treatise, (33) 809. soils of United States, (31) 418.	treatment of feutemia, effect on metabolism,
solls of United States, (31) 418.	(40) 566.
spring water, (31) 332. progress in 1911, (27) 616; (40) 801.	use in forcing plants, (27) 437; (28) 228, 825. Raffla, production, (40) 241.
relation to metabolism in plants (32) 320	
relation to metabolism in plants, (32) 329. relation to plant life, (28) 228.	Raffinose—
Radiographic examinations, preparations for, (32)	bromination as affected by catalyzers, (40) 613.
678.	characteristics, (26) 116. determination, (26) 709; (34) 313; (40) 313.
Radiotransmission and weather, (31) 615.	determination in—
Radish—	plants, (35) 206.
and charlock, hybridization, (36) 130.	presence of sucrose, (36) 806.
cabbage hybrid, description, (31) 236.	raw sugars, (26) 115, 116. sugar beets, (30) 812.
maggot— notes, (29) 158.	sugar beets, (30) 812.
remudies (30) 355	effect on polarization of beet molasses, (38) 113.
screening, (37) 261.	isolation from beet sugar products, (26) 313. occurrence in jute seed, (37) 710.
remedies, (30) 355. screening, (37) 261. studies, (30) 362.	occurrence in row sugars (26) 115, 116.
seed, large v. small, (31) 634.	occurrence in raw sugars, (26) 115, 116. physiological behavior, (37) 571; (40) 171.
seed, viability, studies, (38) 127.	preparation, (32) 711.
skin extract as an indicator, (26) 108.	relation to inclasses formation. (26) 116.
weevil, notes, (32) 651.	Rag refuse, analyses, (28) 523. Rag waste, fertilizing value, (33) 125. Ragi, culture experiments, (32) 227; (38) 135, 433.
Radishes—	Rag waste, fertilizing value, (33) 125.
as affected by copper fungicides, (28) 247. assimilation of mineral salts by, (31) 135.	Ragi, culture experiments, (32) 227; (38) 135, 433.
hreeding experiments (36) 838	Ragi millet, notes, (26) 361.
breeding experiments, (36) 838. carbon nutrition of, (31) 426.	Ragweod—
Chinese, distribution of starch in, (34) 41.	analyses, (32) 169.
Chinese, distribution of starch in, (34) 41. culture, (26) 393, 539.	eradication, (27) 733.
culture—	gails, nows, (33) not.
experiments, (37) 742. in presence of sugar, (35) 633.	great, analyses, (34) 39. leaf variation in, (27) 741.
in presence of sugar, (55) 655.	occurrence of barium in. (26) 432.
under shade, (27) 741. development as affected by urea products, (26)	occurrence of barlum in, (26) 432. pollen, composition, (37) 612; (39) 803.
229.	pollen, protein extract, (40) 607.
effect on following corn crop, (38) 135.	western, water requirement, (32) 127.
elongation of hypocotyl, (28) 39, 739.	Ragwort—
enemies of. (29) 556.	life history and eradication, (36) 535.
fertilizer experiments, (27) 629; (28) 34, 815; (30)	poisoning cattle in England, (38) 82.
821; (34) 520, 532, 821; (36) 427; (37) 742.	Rahar, culture experiments, (37) 826.
food value, (36) 863.	Railroad—
greenhouse, carbon dioxid for, (39) 38.	rates, relation to cost of living, (29) 594.
growth— as affected by sulphur, (32) 724.	sanitation, notes, (30) 862. ties—
in partially sterilized soils, (26) 815.	antiseptic treatment, (27) 542.
in shade, (29) 130.	durability, (27) 348.
on calcareous soils, (31) 627, 816.	exploitation in New Mexico (31) 342
on calcareous soils, (31) 627, 816. historical study, (34) 532. insects affecting, (32) 753.	industry in Canada, (26) 242; (28) 645; (30) 744; (32) 238. preservation, (26) 241, 242; (27) 148; (28) 240, 442, 645; (29) 240, 344; (32) 47; (34) 240. seasoned v. unseasoned, treating, (26) 644. year Canada (20) 44.
insects affecting, (32) 753.	744; (32) 238.
Japanese, culture, (34) 41.	preservation, (26) 241, 242; (27) 148; (28) 240,
morphology and blology, (33) 638.	442, 645; (29) 240, 344; (32) 47; (34) 240.
preservation by pressure /20/ 418	seasoned v. unseasoned, treating, (26) 644.
purin content. (40) 205	use in Canada, (29) 843. Railroads—
radioactive fertilizers for. (35) 628.	and agriculture, relative productivity, (28) 687.
insects affecting, (32) 763. Japanese, culture, (34) 41. morphology and biology, (33) 638. mulching v. clean culture, (33) 534. preservation by pressure, (32) 416. purin content, (40) 205. radioactive fertilizers for, (35) 628. resistance to club root, (33) 52. response to carbon dioxid, (40) 830.	in Spain, agricultural extension work of, (31)
	400.
root disease affecting, (27) 651.	relation to agriculture. (27) 591: (28) 92.

Rails, North American, distribution and migration, (32) 55. Raimondia, notes, (31) 339. Rain- as drinking water supply in British Guiana, (29) 16. chemistry, (27) 317. chlorin content, (30) 418, 620, 815; (32) 121. composition, (31) 21, 416; (34) 15. dissernination of plant diseases by, (38) 47. dissolved oxygen in, (37) 620. effect on couclas, (27) 15. effect on composition of hay, (26) 235. excessive, in California, (28) 415. fertilizing value, (27) 317; (29) 209; (32) 419; (33) 716; (36) 19; (38) 619. forests, mountain, in Jamaica, (32) 748. gage, eight-day recording, (33) 118. gage exposure, effect, (34) 117. gage, "Scathwaite" pattern, (30) 118. gages, accuracy, (30) 17. nitric and nitrous acids in, (34) 118.	Rainfall—Continued. effect on—continued. crop yields, (34) 319. distribution of soil particles, (32) 511. electric energy consumption by irrigation plants, (36) 184. fruit crop in Norway, (40) 810. growth of trees, (31) 716. protein content of wheat, (28) 537; (30) 836. redwood, (38) 522. rubber and resin content of guayule, (30) 744. tree growth, (38) 415. water level in soils, (35) 813. water level in wells, (34) 319. yield and quality of wheat, (30) 662. yield of corn, (39) 418. yield of omilk, (28) 716. European, as affected by American temperatures, (31) 410. excessive, in London, (38) 511.
nitrogen, chlotin, and sulphates in, (34) 615; (38) 416. nitrogen content, (30) 211, 515; (31) 812; (32) 120, 121, 615, 616; (33) 617, (35) 620; (38) 509; (40) 724, 809. notes, (28) 897. of South Polar region, ammonia content, (26) 615. papers on, (27) 816. penetration of soil surfaces by, (29) 426. problem of denudation by, (40) 118. relation to grape downy mildew, (28) 448. relation to sunspots, (27) 718. smoke acids in, (32) 422. spotting of morning-gloies by, (29) 752. substances dissolved in, (40) 19. sulphuric and content, (40) 314. summer, of North Germany, (27) 510. transition to blue sky, (31) 213. tropical, (35) 619; (38) 415. water, hardness of, (39) 122. water of Leeds, analyses, (27) 122. Rainbows— ground, (36) 419. Liborizontal, on Lake Mendeta, (35) 115. papers on, (37) 115, 513. Rainfall—see also Precipitation. after battile, (32) 614. and evaporation in eastern Pennsylvania, (32) 34. gunfire, (38) 115, 511. raininess, (39) 718. run-off in Oalun, Hawail, (37) 513. run-off in Oalun, Hawail, (37) 513. run-off in Porto Rico, (32) 187. synoptic winds, relation, (35) 115. annual, of Scotland, (28) 213. annual, of Scotland, (28) 215. forests, (29) 85. Berkeley, California, (29) 510, 511; (35) 116. Georgetown, Demerana, (35) 420. Mazatlan, Markico, (28) 716. Montovideo, (34) 15. North Platte, (29) 225. Temple, (38) 334. compulme run-off from, (33) 775. conservation, (30) 17. distribution in France, (39) 18. discussion, (30) 17. distribution of tomatoes, (34) 636, composition of tomatoes, (34) 636,	greatest, (2b) 614. greatest at Washington, D. C., (38) 511. heaviest in British Isles, (38) 511. heaviest in British Isles, (38) 511. heaviest in British Isles, (38) 511. heaviest at Kansas City, (32) 614. at Montell, Texas, (29) 721. effect on soils, (33) 514. in Arkansas, (29) 510. in Louislana, (30) 417. in Alberta and Saskatchewan, (29) 85. Australia, (33) 616, 807; (34) 118; (40) 716. British Isles, (32) 25; (33) 20; (39) 210; (40) 314. California, (30) 713; (32) 120; (33) 716. Canada, (36) 617. China, (35) 618. Colorado River Delta, (28) 484. cotton belt of United States, (33) 20. eastern United States, (33) 117, 118; (38) 717. France, (28) 315. Great Britain, (32) 119; (36) 811. Great Britain and Ireland, (30) 118. Habona, (27) 15. Hawaii, (31) 616. Hungary, (27) 510. India, (32) 615; (37) 716. Indo China, (37) 620. Italy, (40) 810. Java, (37) 16. Massachusetts, (30) 318. Minnesota, (29) 418. New Bedford, Massachusetts, (33) 212. New South Wales, (35) 116; (36) 19, 811. New Zealand, (33) 118. Nile Basin, (20) 118; (28) 315; (30) 511; (33) 510. North and South America, (35) 419. northeastern United States, (32) 119. Paris, (28) 416. Philippines, (26) 318. Queensland, (27) 686; (33) 212. Rhodesla, (31) 511. St. Crotx, (33) 801. South Africa as affected by vegetation, (39) 418. United States, (34) 510. Tennessee, (29) 616; (35) 795; (38) 318, 319. Texas, (33) 788. Tunis, (31) 287. Turgai-Ural Colonization District, (26) 620. Union of South Africa, (34) 818. United States, factors determining, (33) 319. Victoria, (28) 416; (29) 896. western United States, (33) 319. map of United States, (33) 319.
5283126†31	

Rainfall—Continued.	Ramularia-Continued.
May and June, (37) 315. measurement, (30) 17, 713; (40) 715.	trachystemonis n.sp., description, (35) 454.
measurement, (30) 17, 713; (40) 715.	violae, notes, (37) 550. Rana pipiens—
minimum, determination, (37) 315. "monsoon," (33) 118.	feeding habits, (31) 349.
onservations, long-period, value, (34) 319.	upper limit of temperature for, (35) 851.
observers, instructions to, (34) 509. on cold days, (36) 419.	Range—see also Grazing. carrying capacity tests with sheep, (39) 171.
records, use by waterworks engineers, (40) 715.	caterpillar, poisonous spines, (39) 561.
records, value, (33) 212.	caterpillar, studies, (36) 55. conditions in western United States, (29) 666.
regions of United States, (33) 318. relation to—	conditions on Mica Mountain, (30) 568.
battles, (34) 509.	cows, maintenance on yucca and sotol, (40)[277.
chestnut blight, (37) 557. corn and wheat production, (38) 317.	finder, description, (31) 341. grasses in North Dakota, (40) 299.
corn yield, (35) 618.	lands, public, management, (36) 791.
cranberry fruit rots, (38) 454. crop production, (26) 415; (28) 716.	lands, reseeding, (37) 437. management in New Mexico, (33) 268.
crop yields, (35) 14; (38) 509.	plants of Guam, (31) 467.
forests, (38) 510.	plants of Wallowa National Forest, (37) 818.
grape downy mildew, (38) 755. ground water, (33) 322.	plants, poisonous, see Plants, poisonous. preservation, relation to erosion, control, (39)
ground water, (33) 322. irrigation, (28) 316. lint length in cotton, (40) 827.	439.
magnetic storms, (38) 15.	stock, emergency leeds, (40) 270, 471.
moon, (27) 817.	stock, emergency feeds, (40) 276, 471. utilization, studies, (39) 773. white sage, destruction, (39) 172.
protein content of wheat, (33) 41.	Rangella vitalii, parasitic in dogs, (35) 785.
run-off, (30) 288. seepage, (27) 116.	Ranges— depleted, reseeding, (30) 35.
spring wheat yield, (30) 418; (33) 117; (39)	elevated, vegetation, (39) 810. improvement, (27) 528; (29) 224; (30) 334. in southern Arizona, (35) 439.
210. succeeding crops. (36) 209.	improvement, (27) 528; (29) 224; (30) 334.
succeeding crops, (36) 209. sun spots, (28) 211; (38) 115; (40) 416. water level, (33) 806.	management, (32) 227, 731.
Water level, (33) 806.	management in Southwest, (38) 447.
water supply, (34) 510. wheat culture, (28) 213, 638; (36) 440. wheat production in Australia, (36) 209.	natural revegetation, (32) 227. Ranula, notes, (40) 283.
wheat production in Australia, (36) 209.	Ranunculacene, oils and alkaloids of, (36) 628.
subnormal, frequency in August, (40) 118. summaries, value, (31) 811.	Ranunculus arvensis, habits and eradication, (37 542.
sun spots, and magnetic storms, (38) 811. treatise, (31) 511.	Rapakivi granite, potash from, (27) 127.
Variation in (26) 214	Rape— analyses, (28) 469; (32) 171.
variation with altitude, (27) 816, 817. Rainstorm of 1912 in British Isles, (30) 118. Rainstorms in New York City, (30) 417.	and turnius, crosses between (31) 528
Rainstorm of 1912 in British Isles, (30) 118. Rainstorms in New York City. (30) 417.	as cover crop, (32) 332.
Rainy season in southern Educesia, (32) 211.	as cover crop. (32) 332. cover crop for fall planting, (39) 532. forage crop. (31) 829; (33) 226; (38) 827; (39) 338. green manure for wheat, (35) 428.
Raisin—	green manure for wheat, (35) 426.
grapes, seedless, (39) 845. industry in California, (35) 343. industry in United States, (34) 835. industry in Valencia, (29) 439. seeds, utilization, (29) 13; (39) 615.	hog pasture, (32) 136; (33) 380; (39) 372, 777, 879; (40) 771.
industry in United States, (34) 835.	breeding, (28) 835. bug, notes, (40) 260.
seeds, utilization, (29) 13: (39) 615.	cake, analyses, (26) 165; (27) 570, 872.
Raisins—	cake, effect on milk and butter, (34) 570.
dried— analyses, (30) 861.	cake, residual effects, (31) 319. cake, sulphureted, fertilizing value, (38) 121.
inoculation experiments with brown rot	cooperative experiments, (29) 138.
fungus, (33) 247.	culturo, (27) 32; (28) 835; (31) 35; (32) 226, 337; (33) 238.
treparation and use, (29) 462. drying, (37) 114.	culturo
effect on composition of urine, (31) 761.	and pasturing value, (40) 36. experiments, (28) 531, 735; (31) 42; (32) 132, 528; (33) 33, 34; (37) 132; (38) 133. for winter forage, (38) 735. in cotton belt, (32) 533.
for pigs, (36) 171. insects affecting. (34) 60.	528; (33) 33, 34; (37) 132; (38) 133.
insects affecting, (34) 60. g, (34) 235; (35) 647.	in cotton belt. (32) 533
oil and press cake from seeds, (40) 803.	Hawaii, (32) 729.
ripening and cap-stemming, (32) 235. seedless, cap-stemming, (28) 742.	Hawaii, (32) 729. Porto Rico, (29) 631. Rhodesia, (27) 32, 637.
	under dry farming, (36) 529.
Raleigh, N. C., as an agricultural and financial center, (36) 494.	dust, analyses, (28) 523. dust, fertilizing value, (27) 831, 832; (35) 30; (37)
Rama inder, tests, (31) 526.	229; (39) 529.
Ramie—culture, (37) 830.	fertilizer experiments, (26) 129, 424, 631; (27) 32, 422; (28) 815, 816; (29) 22; (32) 435; (35) 221, 728; (36) 626; (37) 135, 553; (39) 624, 738.
culture experiments, (35) 337.	728; (36) 626; (37) 135, 533; (39) 624, 738.
notes, (28) 335. varieties, (30) 434.	iertilizing value, (27) 831.
Ramona stachyoides—	for cut-over land pasture, (39) 231. fattening lambs, (40) 569.
analyses, (26) 612. oil of, (33) 202.	fattening lambs, (40) 569. pigs, (34) 174.
Ramularia—	silage, (35) 768. germination as affected by fertilizers, (29) 327.
areola, notes, (33) 741; (35) 45, betas, notes, (28) 649.	growth as affected by fertilizer salts, (29) 329.
brunnes, description, (26) 852.	insects affecting, (31) 548.
cynarae on artichoke, (32) 341. macrospora, notes, (27) 45.	liming experiments, (38) 22; (39) 25.
macrospora, relation to apple rot, (33) 348.	grawth as affected by fertilizer saits, (29) 329. growth on volcanic ash, (32) 36. growth on volcanic ash, (32) 36. insects affecting, (31) 548. liming experiments, (38) 22; (39) 25. meal, availability of nitrogen in, (35) 426. nibs, analyses, (27) 670. oil, detection, (26) 713; (29) 613; (39) 804. oil, physical constants, (36) 312. pollination experiments, (30) 528. relation between size of seed and yield. (26) 434.
n.spp., descriptions, (37) 748. paulula, notes, (26) 341.	oil, detection, (26) 713; (29) 613; (39) 804.
spp. on potatoes, (33) 849.	pollination experiments. (30) 512.
studies, (30) 537.	relation between size of seed and yield, (26) 434.

Town Combined	
Rape—Continued.	Raspberry—Continued.
root development with other crops, (26) 129.	juice, preparation, (33) 316; (40) 763. juice, studies, (34) 256.
root louse injury, (40) 60. root system, (32) 634.	juice, studies, (34) 256.
seed, adulteration (35) 740	mildew, notes, (34) 749
seed, adulteration, (35) 740. seed, analyses, (33) 870.	Ohta, description, (30) 640
seed cake—	orange rust, studies, (37) 457. pollen, germination, (35) 731.
acidity, (32) 259; (35) 770.	red worm, notes, (36) 754.
analyses, (30) 268, 467; (34) 263.	root rot fungus, composition, (26) 750.
as a feeding stuff, (37) 416.	root rot fungus, composition, (26) 750. rust, notes, (36) 498.
examination, (37) 416.	rust, notes and treatment, (29) 50.
fertilizing value, (38) 624.	spur blight, (36) 396.
for grass lands, (33) 527.	strawberry hybrid, description, (28) 742.
Indian, adulteration, (26) 468. seed—	thimbleberry hybrid, (36) 442.
imported, germination tests, (35) 140.	wilt, description, (34) 55.
in Maryland markets, (32) 740.	wine, preparation, (27) 412. yellow:
meal, analyses, (30) 268; (31) 467, 864; (33)	description and treatment, (30) 246; (31)
170, 870.	545.
oil, manufacture, (31) 42.	immune variety, (40) 154.
oil, refractive index, (27) 614.	notes, (30) 647; (32) 49, 149; (39) 353.
production and utilization, (34) 531.	studies, (26) 646.
production in China, (31) 42.	Rat—
vitality, (27) 740. serpentine leaf miner affecting, (29) 857.	destroying preparations, investigations, (27)
sulphur in, (31) 817.	550.
susceptibility to swede mildew, (34) 52.	diseases, papers on, (27) 754.
tops, analyses and feeding value, (34) 664.	flea, Indian, infectiousness, (40) 161.
tops, decomposition in soil, (40) 214.	fleas— bionomics of (27) 58: (30) 757
varieties, (26) 631; (27) 32; (30) 525; (31) 42, 829;	bionomics of, (27) 58; (30) 757. in Suffolk and North Essex, (28) 757; (29) 55.
(37) 134, 135.	
water requirements, (29) 826; (32) 127.	life history, (31) 552. longevity, (28) 356. notes, (26) 658; (29) 755; (32) 348; (33) 159. relation to bubonic plague, (30) 254.
yield as affected by sulphur, (34) 726.	longevity, (28) 356.
yields, (31) 226.	notes, (26) 653; (29) 755; (32) 348; (33) 159.
Raphanus-Brassica hybrids, studies, (29) 320.	relation to bubonic plague, (30) 254.
Rapistrum rugosum, notes, (34) 532. Raspberries—	guard for ships' lines, description, (27) 550. plague, diagnosis, (36) 753. plague of East Suffolk, England, (26) 461.
acidity, (32) 110: (37) 715.	plague, diagnosis, (36) 753.
as a medicinal plant. (30) 145.	plague of East Sulloik, England, (20) 401.
breeding, (31) 442; (38) 845.	proofing— as an antiplague measure, (27) 754.
breeding and testing in Minnesota, (40) 148.	public docks of New Orleans, (33) 552.
Raspoerries— acidity, (32) 110; (37) 715. as a medicunal plant, (30) 145. breeding, (31) 442; (38) 845. breeding and testing in Minnesota, (40) 148. breeding experiments, (28) 542; (32) 338, 835; (33) 637; (35) 144, 744; (36) 741; (37) 240; (39) 340; (40) 740, 742.	serum, anaphylatoxin produced in, (37) 580.
(33) 637; (35) 144, 744; (36) 741; (37) 240; (39)	traps, efficiency, (30) 851.
340; (40) 740, 742.	Ret-hite fever-
crossing experiments, (33) 44. culture, (28) 840; (31) 441; (33) 47; (34) 42; (38) 246, 347, 643, 845; (39) 242. culture experiments, (27) 343; (28) 436. culture in western Nebraska, (32) 233.	cause, (35) 487, 783; (37) 375. spirochete, (39) 588; (40) 781. streptothrix in, (36) 678.
246, 347, 643, 845; (39) 242	spirochete, (39) 588; (40) 781.
culture experiments. (27) 343; (28) 436.	streptothrix in, (36) 678.
culture in western Nebraska, (32) 233.	Strictes, (40) 479.
extracted, sale, (28) bbl.	treatment, (35) 487; (39) 389.
fertilizer experiments, (33) 48; (34) 294; (36) 121;	Raticide, notes, (27) 52. Ratin, use against voles, (30) 545.
(38) 218, 540.	
for home and commercial planting, (33) 537.	Rations— acid and basic, effect on ammonia production,
frost injuries, (27) 349; (29) 547. fungus disease affecting, (26) 450.	(33) 368.
hybridization experiments (28) 438	army, see Army rations.
improvement in Minnesota, (34) 637. insects affecting, (26) 246; (28) 352; (40) 158. irrigation experiments, (33) 633; (36) 640. new, description, (29) 838; (33) 238; (35) 37. picking and packing, (33) 47.	balanced, (33) 97.
insects affecting, (26) 246; (28) 352; (40) 158.	balanced—
irrigation experiments, (33) 683; (36) 640.	from restricted sources, (33) 69, 367, 465;
new, description, (29) 838; (33) 238; (35) 37.	(37) 766; (39) 71.
picking and packing, (33) 47.	from restricted sources, physiological
preservation by freezing, (38) 344.	effects, (26) 467. notes, (29) 362.
preservation by pressure, (32) 416. propagation and shipping experiments, (34) 637.	v. unbalanced, for cows, (28) 174.
shipping experiments, (33) 642. training, (33) 47; (40) 743. varieties, (28) 542; (33) 47; (35) 742; (37) 243; (38)	balancing, (28) 465; (31) 663.
training, (33) 47; (40) 743.	box, for army use, (35) 165.
varieties, (28) 542; (33) 47; (35) 742; (37) 243; (38)	calculating, (33) 170. changes in, (26) 261.
240, 043.	changes in, (26) 261.
varieties for New York, (26) 239.	combining for livestock, (29) 170.
varieties in Oklahoma, (27) 241.	eomputing, (28) 384, 770; (31) 266; (38) 73; (39)
variety tests, (32) 141, (40) 340, 140.	concentrated v. bulky, for cows, (28) 174.
Raspberry— anthracnose—	digestibility of components, (36) 470.
notes, (40) 53.	effect on-
perfect stage, (33) 350; (38) 252.	composition of urine of dairy cows, (36) 672.
studies, (36) 347; (38) 853.	development of swine, (33) 375.
treatment, (39) 343, 457.	development of swine, (33) 375. growth and dairy qualities of cows, (34) 378. intestinal flora of swine, (38) 375. quality and yield of wool, (32) 99. emergency for U. S. Army, (35) 664. emergency, notes, (32) 562. for Arab soldiers, (33) 68. cattle and sheep. (30) 567.
beetle, notes, (32) 448; (40) 265.	miestinal flora of swifte, (55) 575.
bluestem, studies, (28) 348.	emergency for IT. S. Army. (35) 664.
byturus, notes, (28) 158. cane blight, description and treatment, (27)	emergency, notes, (32) 562.
250: (30) 246	for Arab soldiers, (33) 68.
250; (30) 246. cane blight, notes, (28) 148; (32) 49, 441, 544;	cattle and sheep, (30) 567- cattle feeding, (34) 72. cows, (29) 375, 575; (37) 195-
(38) 546.	cattle feeding, (34) 72.
prown rell notes (26) 56: (31) 644.	cows, (29) 375, 575; (37) 195.
crown gall, studies, (35) 550. diseases, notes, (27) 448; (28) 352, 748; (37) 52;	cows, computing, (36) 374. dairy stock, (35) 378.
diseases, notes, (27) 448; (28) 352, 748; (37) 52;	GRITY STOCK, (30) 5/8.
(38) 50; (39) 652; (40) 158.	farm animals, (30) 169; (31) 663; (36) 469 poor families, (30) 167.
(38) 50; (39) 652; (40) 158. fruit rot, notes, (28) 544. horntail, investigations, (29) 260:	reminents, computing, (26) 72.

Rations—Continued.	Rats—Continued.
from restricted sources, physiological effects,	serum proteins of, (28) 875.
(28) 872. from single plant sources, tests, (27) 68.	small house, biology, (40) 160 spiny, in Philippines, (10) 616.
high protein—	Spirochaeta icterohaemorrhague in, (39) 759.
and energy, utilization, (39) 75, 381.	susceptibility to pneumonic plague, (28) 180.
v. medium protein, (27) 73. in Philippines, (28) 764.	undersized, postnatal growth, (40) 169.
in Philippines, (28) 764.	use in study of anaphylaxis, (37) 582.
in Finited States Army, (32) 459, 460. mineral content of, effect on growth, (29) 64. mixed, digestibility, (32) 69, 70; (34) 169; (37) 677. of British and Indian troops in relation to disease, (40) 564. of Italian Navy, (40) 561. of soldiers in the training camps, (40) 68. mortable suggestions for, (31) 68.	wharf, notes, (27) 856. white, immunity against anthrax bacillus, (29)
mineral content of, effect on growth, (29) 64.	378.
of British and Indian troops in relation to	wood, host of spotted fever ticks, (26) 64.
disease, (40) 564.	Rattan supply of Philippines, (33) 646; (35) 14. Rattlepod, fertilizing value, (82) 722.
of Italian Navy, (40) 561.	Rattlepod, fertilizing value, (32) 722.
of soldiers in the training camps, (40) 68.	Rattleweed, description, (32) 474.
por audio, suggestations for, (ar) bo.	Ravenelia, n.spp.—
starch values and fodder units, (27) 276. steamed, (39) 269.	descriptions, (36) 145.
Rats—see also Rodents.	notes, (38) 125. Ravens of North America, (39) 860.
acid-fast bacillus from, (26) 653.	Ravines, restoration in Russia, (27) 144.
albino and Norway, treatise, (40) 546. albino, growth in, (36) 267.	Ravinia n.spp., descriptions, (33) 158.
albino, growth in, (36) 267.	Ray fungus disease in South American or tongues,
animal parasites of, (38) 760. as a menace to health, (29) 852.	(31) 882.
as affected by gonadectomy, (34) 263.	Razoumofskya-
as affected by vegetable diet, (27) 271.	americana and R. occidentalis abietina, new
biology and control, (35) 656.	hosts, (38) 152. americana, host plants, (36) 753.
bionomics, (27) 550; (29) 756.	campylopoda inoculation experiments, (38) 253.
black or ship, of Great Britain, (35) 656.	campylopoda inoculation experiments, (38) 253, laricis injurious to larch, (34) 517.
breeding experiments, (27) 370; (40) 468. brown, Acari on, (32) 353.	
brown, Acari on, (32) 353.	studies, (40) 253.
brown, in Manitoba, (39) 654. brown, prolificacy, (26) 346.	studies, (40) 253. studies, (40) 253. stugensis in Alaska, (34) 546. tsugensis, new hosts for, (33) 551. Reagents and reactions, treatise, (39) 803. Reapers, care and repair, (39) 292. Recaredus sp. attacking stored potatoes, (36) 253.
color inheritance in, (38) 776.	Degraphs and reactions treatise (30) 803
control, (39) 461.	Respers, care and repair, (39) 292.
destruction, (27) 356, 888; (30) 153; (36) 653; (38)	Recaredus sp. attacking stored potatoes, (36) 253,
356, 497.	Reclamation—
destruction—	Board Act of California, (35) 490.
on ships, (29) 651; (38) 356.	in United States, (27) 188.
with bacteria, (26) 579. with Danysz bacillus, (35) 52.	of marshands, (40) 387.
destructive to sugar cane and coconuts, (26) 857.	Board Act of California, (35) 490. in United States, (27) 138. of marshlands, (40) 587. project, Belle Fourche, (40) 391. project in California, work of, (39) 497.
destructiveness and control, (39) 460.	projects. (40) 391, 786.
development of ascarid larvae in. (37) 374.	projects, (40) 391, 786. projects, hints to settlers, (40) 687.
directions for raising, (38) 258. economic importance, (38) 255. feeding experiments, (28) 260, 364; (30) 567; (31)	Service, see United States Geological Survey.
fooding experiments (98) 260 364 (30) 567 (21)	Reconstruction-
69.	agricultural, in Great Britain, (39) 401; (40) 91.
feeding experiments with fat-free food mixtures.	and reeducation of disabled soldiers and sailors,
(28) 803.	(40) 591.
fertility in relation to age, (40) 468.	in France, (39) 689, 892. in Ireland, (29) 894. problems, relations of agricultural colleges and
field, relation to plague, (40) 161. Gaertner group bacilli in, (30) 355.	problems, relations of agricultural colleges and
growth as affected by protein intoles (22) 989	experiment stations to, (39) 702.
growth as affected by protein intake, (33) 262.	rural, in Ireland. (40) 91.
growth on restricted rations, (33) 69. habits of, (29) 651. hybrid, sex ratio, (27) 769. inmunization against plague, (26) 658. Indian, races of, (28) 346. infection with avian tuborculosis, (26) 583. Intitivity to age of (27) 58.	Rectal feeding, plan of, (39) 670. Rectal temperature in childhood, (31) 563.
hybrid, sex ratio, (27) 769.	Rectal temperature in childhood, (31) 563.
immunization against plague, (26) 653.	Recurrent fever, etiology, (29) 479. Recurvaria—
Indian, races of, (26) 346.	alnifractable n.sn., description, (33) 748.
injurious to cacao, (27) 53.	dorsivittella, life history, (33) 655.
injurious to coffee trees, (33) 536.	milleri n.sp., description, (33) 655.
inoculation experiments, (27) 555.	ainifructella n.sp., description, (33) 748. dorsivittella, life history, (33) 655. milleri n.sp., description, (33) 655. nanella, studies, (31) 262, 755; (36) 656 piceaella, notes, (29) 256.
inoculation experiments, (27) 555. leprosy in, (29) 651. leprosy-like disease in, (29) 756.	piceaella, notes, (29) 256.
leprosy-like disease in, (29) 756.	Red-
mammary gland, studies, (40) 467.	bug, false, notes, (33) 252.
mammary gland, studies, (40) 467. metabolism eage for, (28) 272. microbes affecting, (27) 52. migratory babits, (34) 548.	bug, lined, notes, (26) 146. bug, notes, (30) 53; (34) 160. bugs, remedies, (38) 257.
migratory habits. (34) 548.	bugs, remedies, (38) 257.
11101 D11010E y 01 D10001 (28) 111.	clover, see Clover, red.
natūral history, (27) 754. new, from North America, (37) 757.	dog flour see Flour rad dog
new, from North America, (37) 757.	headed fungus, notes, (28) 358; (29) 852. rice, eradication, (37) 532. sanders tree, descriptive account, (38) 146
notes, (37) 156.	rice, eradication, (37) 532.
nutrition of, (36) 161. nutritive requirements, (37) 264.	sanders tree, descriptive account, (35) 140
of Great Britain, (34) 57; (36) 852.	scale, fumigation experiments, (39) 463. scale on citrus fruit, (39) 161.
ovulation period, (40) 663.	spider—
pack, destructive to Jeffrey pine, (38) 53.	control, (39) 870.
parasites of, (27) 754; (29) 755.	dissemination by wind, (30) 759.
piebald, selection experiments, (39) 877.	effect on potato foliage, (34) 449.
plague-infected, of Hawaii, (26) 854.	geographical distribution, (32) 63. in Germany, (34) 658.
relation to— equine influenza, (28) 482.	in Germany, (34) 658. in greenhouses, (39) 65.
hog cholera, (40) 480.	in Ohio, (34) 59.
hog cholera, (40) 480. poliomyelitis, (36) 354; (40) 85, 546. public health, (27) 754; (30) 153.	injurious to alfalfa, (38) 558.
public health, (27) 754; (30) 153.	injurious to citrus fruits. (28) 457.
Spirochaeta icteronaemorrhagiae, (38) 653.	new species, (36) 660.
760. rice, new species of, (34) 850.	new species, (36) 660. notes, (26) 856; (29) 360; (30) 362; (32) 56, 251; (34) 80; (35) 254, 356, 657; (37) 460, 461, 847;
rice, of North America, (39) 860.	(38) 365.
· · · · · · · · · · · · · · · · · · ·	/>

Red-Continued.	Reforestation—Continued.
spider—continued. on beans, (39) 256.	notes, (26) 643. of brush fields in northern California, (32) 748;
oinchona, tea, etc., (40) 656. eitrus fruit, (39) 161. cutton, (35) 468; (36) 557. paper on, (39) 461. remedies, (27) 357; (28) 759; (32) 536; (38) 63;	(34) 640.
citrus fruit, (39) 161.	burned areas in high mountains, (36) 144. chestnut land, (31) 341; (37) 451; (38) 45.
paper on, (39) 461.	coastal plain, (36) 646.
remedies, (27) 357; (28) 759; (32) 536; (38) 63; (40) 453.	hardwood areas, (30) 743. mountain burns in Arizona and New Mexico,
studies, (29) 261; (32) 156.	(31) 839.
tail, European, notes, (27) 255. turpentine beetle, notes, (26) 561. weevil in Ontario, identity, (40) 653.	pine lands, (33) 542; (37) 836. sand hills of Nebraska, (31) 744.
weevil in Ontario, identity, (40) 653.	Dapers on. (27) 444.
weevil, life history, (26) 654. wings, destruction of locusts by, (28) 351.	role of light in, (37) 45.
Redonda phosphate, dehydrated, fertilizing value,	Refractometer— description, (37) 110.
(28) 816.	description, (37) 110. differential, (39) 502.
Redpolls, destructive to Chinese cotton scale, (26) 556.	immersion, use in vinegar analysis, (27) 112. immersion, water bath for, (27) 14. use in sugar-house work, (28) 612.
Redtop—	use in sugar-house work, (28) 612.
analyses, (29) 270. as affected by companion crop of clover, (37) 438.	Refractometry— principles of, (32) 309.
as forage crop, (31) 829.	uses of, (28) 409.
experiments, (29) 631; (32) 431, 529; (36) 32.	Refrigerating— machinery, notes, (27) 792.
in cotton helt, (32) 534.	plant for danies, description, (30) 789.
in the Ozarks, (29) 427. effect on following crop, (38) 337; (40) 135, 623.	Refrigeration— domestic notes (31) 592
growth on voicante ash, (32) 36.	domestic, notes, (31) 592. effect on hops, (29) 13.
identity and agricultural characteristics, (39) 532.	in dairying, (27) 376. in handling of milk, (31) 575.
irrigation experiments, (32) 224.	in transportation of perishable products, (40)
notes, (37) 29.	488. mechanical, handbook, (28) 385.
palatability, (34) 865. Selerotium disease, (31) 641; (39) 753.	notes, (34) 892.
seed-	of dressed poultry in transit, (30) 71.
adulteration and misbranding, (29) 144. analyses, (26) 739.	of food products, (27) 460. of measly beef carcasses, (32) 880.
germination and purity tests, (29) 741.	physics of, (28) 563.
seeding on ranges, (29) 531; (30) 35. Reductase—	Refrigerator cars— brine tank, for fruit, (36) 640.
animal and vegetable, nonspecificity, (37) 309.	construction, (30) 72.
detection, (26) 204. in chicken fat, (28) 63.	Refrigerators— for farms. (38) 292.
eggs, (28) 64.	for farms, (38) 292. iceless, (39) 382. notes, (30) 165.
normal raw milk, (28) 412.	notes, (30) 165. score card for, (35) 663.
tobacco plant, (31) 204. investigations, (33) 409.	tests, (27) 486. use, (29) 88.
investigations, (33) 409. of plants, (37) 203. origin and use, (28) 19.	use, (29) 88. Rehmiella ulmicola n.sp., description, (34) 242.
tests in dairy inspection, (27) 781.	Reichert-Meissl number, determination, (30) 114;
Reductions in the animal body, (28) 607. Reductions of North America, (30) 55.	(31) 811; (40) 412.
Redwitter-see also Texas fever.	Reindeer— breeding in Alaska, (30) 672.
English, treatment, (39) 891. immunization, (33) 384.	cysticerci affecting, (27) 182.
immunization, (33) 384. in eattle, (28) 182; (30) 383; (33) 384; (38) 486.	industry in Alaska, (31) 368. industry in Russia, (29) 772.
in cattle, (28) 182; (30) 383; (33) 384; (38) 486. in cattle, treatment, (26) 382.	milk and cheese, analyses, (30) 476.
Rhodesian, see African coast fever. Redwood—	moss, culture experiments, (36) 369. sarcosporidia in, (28) 885.
destruction by Termes lucifugus. (26) 858.	Reithrodontomys, revision, (31) 647. Relapsing fever, transmission by bedbugs, (26) 760;
lands, management, (26) 51. long-seasoned, strongth tests, (29) 442.	(36) 356.
mechanical properties, (27) 846. relation to rainfall and fog, (38) 522.	Relationship coefficient, description and applica-
volume table, (29) 442.	tion, (32) 665. Relationships, determination, (33) 822.
Reeds-	Relationships, symbolic statement, (28) 173.
Spanish, culture under dry farming, (30) 435.	Remedies, new and nonofficial, (37) 876; (40) 284. Remedies, new, compilation, (31) 478.
wild, analyses, (28) 464. Reflux condenser, description, (40) 308.	Remigia repunda—
Reforestation—see also Forestation. and occult condensation, (34) 614.	notes, (29) 356 studies, (33) 560, 654.
as affected by birds and rodents, (29) 545.	Renal-
by seed trees, (32) 839. general principles, (28) 439.	cells, distribution of potassium in, (30) 277.
in Black Hills National Forest, (33) 843.	disease, metabolism in, (35) 371. excretion as affected by salt. (27) 464.
France, (33) 541. Massachusetts, (27) 444; (36) 843.	Renguera in lambs, (38) 687, 688.
mountains of northern Idaho, (33) 242.	Rennet— action as affected by salts, (26) 477.
National Forests, (26) 241; (32) 748; (33) 645;	action, chemistry of, (26) 372.
(37) 348. New Hampshire, (36) 744.	action, inhibition, (28) 18. action on milk, (28) 177.
New South Wales, (28) 51.	artificial, use in cheese making, (30) 778.
New York, (35) 451. Pennsylvania, (37) 45; (38) 846.	calves', immunizing against, (30) 477. cleavage action of, (26) 808.
ravines, (26) 643.	coagulation of milk by, (28) 372; (32) 503; (36)
southern Argentina, (35) 452. Sweden, (27) 44.	610. defermination of activity, (29) 504.
the Tropics, (26) 141.	for cheese making, (34) 77.
Wisconsin, (35) 242.	

	Respiration—Continued.
homemade, preparation, (36) 378, 477; (37) 576, 778.	apparatus—continued. small, description, (26) 766.
in latexes, (31) 409, 410.	types of, (34) 260.
in Rhizopus nigricans, (31) 34. preparation, (36) 571.	biochemistry of, (32) 664. calorimeter—
preparation, (30) 571. preparation from calves' stomachs. (34) 574.	description, (28) 463, 570, 865; (39) 676.
preparation from calves' stomachs, (34) 574. reaction on milk, (27) 810. substitutes for, (34) 574; (37) 278; (39) 884.	for large animals, (31) 704.
substitutes for, (34) 574; (37) 273; (39) 884.	for study of disease, (34) 67. improved, (34) 369.
whey, factors affecting specific gravity, (26) 478. Rennin—	small, description, (35) 768.
action on casein, (29) 805; (32) 606. effect on digestibility of milk protein, (36) 559.	use in vegetable physiology, (27) 67, 160, 568;
effect on digestibility of milk protein, (36) 559.	(28) 362.
separation from pepsin, (26) 803. studies, (28) 18, 177.	demonstrating heat of, (39) 223. experiments—
Reproduction—	at Cornell University Medical College, (30)
as affected by mineral content of rations, (33) 666.	863.
hibliography, (26) 470; (33) 168.	with eattle, (32) 169. infants, (30) 369; (32) 257, 461. men, (28) 569; (34) 200. milch cows, (39) 678.
in birds, physiology, (40) 664.	men, (28) 569; (34) 260.
in birds, physiology, (40) 664. in fowls, studies, (33) 74, 96. in rats as affected by diet, (39) 672.	newborn infants, (34) 861.
physiology of, (33) 168, 369; (37) 371, 772.	plants, (26) 729.
Reproductive— cells, vitality, (27) 273.	ruminants, (32) 767. steers, (33) 72.
organs as affected by X-rays, (38) 268.	sweet potatoes, (34) 426.
tissues, variation in composition, (37) 774. Reptiles—	in diseased apple leaves, (32) 751.
as food, (40) 555.	fruits, (29) 135. fungi, (26) 628.
blood parasites of, (33) 152.	man, apparatus for recording movements in,
of North America, check-list, (39) 655. Rescue grass, notes, (37) 29.	(29) 685.
Rescue grass, varieties, (30) 434.	man as affected by body position, (30) 264. partly dried plant organs, (36) 824.
Research— agricultural, see Agricultural research.	plants, (26) 227; (27) 132, 523.
laboratory, Parke, Davis & Co., papers from,	plants, (26) 227; (27) 132, 523. plants as affected by—
(32) 81.	anesthetics, (37) 821.
work, factors in, (32) 303. Reseda—	anesthetics, (37) 821. electricity, (31) 33. enzyms, (27) 221, 426.
lutea, root system, (37) 542.	loss of water, (39) 731.
odorata, heredity of self-sterility in, (29) 136. Reservoirs—	in plants— at various temperatures, (26) 822; (36) 28.
earth, reducing seepage, (39) 86.	biochemistry of, (26) 227.
effect on climate, (27) 509.	effect of organic substances on, (26) 628.
for small pumping plants, (38) 389. for the farm, (38) 84.	heat of, (39) 223. rôle of fermentation products and phos-
small earthen storage, construction, (33) 885.	photes in, (26) 627. studies, (26) 729; (27) 28, 426, 632; (28) 427, 428, 631; (20) 324; (31) 33; (34) 523, 524; (35)
small storage, notes, (28) 186. storage, linings for, (31) 384.	studies, (26) 729; (27) 28, 426, 632; (28) 427,
treatise, (31) 511.	821; (30) 329.
treatise, (31) 511. unlined earth, construction, (37) 585.	studies, apparatus for, (39) 27. variation in, (26) 628.
Resin— clarification, (29) 719.	in tropical plants, (31) 222.
effect on soils, (36) 513.	incubator for infants, (32) 860.
industry in Austria, (32) 48. industry in Tonkin, (31) 839.	of plants in guess (29) 525, 538.
of Xanthorrhoea quadrangulata, (40) 449. secretion in Balsamorrhiza, (30) 224.	intramolecular, in plants, (27) 226, of plants in gases, (29) 525, 538. physiology of, (36) 865.
secretion in Balsamorrhiza, (39) 224. yielding plants, treatise, (34) 838.	post-morteni, of plants, (27) 731. relation to fermentation in plants, (28) 328.
Resinous-	Respiratory—
tracheids, significance, (39) 451. wood, distillation, (28) 24.	activity, relation to sunlight, (34) 30.
wood, waste, utilization, (28) 512.	chamber, description, (31) 764. chamber for small animals, (34) 370.
wood, waste, utilization, (28) 512. Resins—see also Oleoresins.	coefficient of plants, (28) 729; (31) 33.
formation and flow in trees, (33) 543. in hops, (27) 814; (33) 507; (34) 502, 711. methods of analysis, (27) 205.	diseases, relation to temperature changes, (36) 64.
methods of analysis, (27) 205.	exchange as affected by— food tags stion, (2b) 565.
of Araucaria araucann, (40) 615. of Chile, (38) 336. of Douglas fir, (30) 10. production from wood, (28) 50.	one-sided dict, (31) 361.
of Douglas fir, (30) 10.	salts, (33) 69. ventilation, (33) 70.
production from wood, (28) 50.	exchange—
soft, in hops, (26) 209; (33) 709. Resordin—	during muscular work, (33) 464.
effect on cyanogen formation in plants, (28) 527.	in animals, treatise, (36) 266. diet poor in nitrogen, (29) 165.
factors affecting activity, (28) 609. Resorption in the cellular organism, (31) 361.	fish, (32) 565; (33) 664.
Respiration—	fish, (32) 565; (33) 664. green plants, (31) 33. infants, (26) 766. man, (33) 756; (34) 260; (36) 286.
after death in Laminaria, (39) 631.	man, (33) 756; (34) 260; (36) 266.
anaerobic, in fruits and plant tissues, (29) 538. anaerobic, in seed plants, (29) 525.	organs, tissues, and isolated cells, (au)
and carbon dioxid assimilation in plants, (28)	201. relation to body surface area, (28) 203; (31)
728. and catalase activity in sweet corn, (39) 524.	562.
and cell energy, notes, (30) 669.	ferments in plants, notes, (27) 828.
apparatus-	pigments in plants, (26) 326. quotient as affected by one-sided diet, (31) 361.
description, (28) 272; (30) 767. for ruminants, description, (31) 71.	quotient of plants, (29) 27.
for sheep and swine, (30) 170.	Resplendent shield bearer, notes, (30) 657. Restaurants—
for small animals, (29) 569, 869; (33) 265. portable, (40) 465.	for shop girls in Copenhagen, (32) 857.

Restaurants - Continued.	Rhipicephalus—Continued.
inspection, (26) 461, 868; (29) 661; (30) 665; (31) 359; (32) 162.	appendiculatus—continued.
inspection in—	relation to amakebe, (26) 882. remedics, (27) 476.
Argentina, (26) 762.	bursa—
Indiana, (34) 861. Missouri, (33) 164.	notes, (29) 482.
Montana, (33) 67.	relation to anaplasmosis, (28) 284. relation to equine piroplasmosis, (31) 382.
Montana, (33) 67. Nevada, (33) 661.	sanguineus—
North Dakota, (28) 661; (33) 753.	in Key West, (30) 555. notes, (27) 865.
Virginia, (29) 766; (32) 661. law in Florida, (33) 165.	parasite of, (26) 863.
low-priced, in Christiania and Vienna, (32) 856.	transmission of Trypanosoma cruzi by, (31)
unsterdized vessels in, (31) 259.	159.
Resthanta atripennis on castor bean, (40) 453. Retaining walls, treatise, (35) 786.	simus, notes, (34) 851. simus, relation to anaplasmosis, (26) 585; (29)
Reticulitermes speratus n.sp., description, (35) 255.	584.
Retrogression, artificial, in peaches, (27) 230.	spp., notes, (27) 361; (28) 83.
Retting, microbiological, notes, (38) 715. Reversion in cattle, (33) 668.	Rhipiphoridae, catalogue, (30) 458. Rhipiphorothrips pulchellus n.g. and n.sp., des-
Rhabditin, notes, (33) 681.	cription, (31) 550.
Rhabdoblatta brunneonigra n.sp , from China, (34) 255.	Rhipsalis cassytha, transpiration in, (32) 522. Rhizina—
Rhabdocnemis—	inflata, notes, (27) 854; (39) 254.
obscurus, notes, (31) 553.	inflata, studies, (33) 150.
obscurus, studies, (26) 257; (39) 868.	undulata, sexuality in, (40) 226. Rhizobia—
sp. affecting sugar cane, (34) 556. Rhabdophaga—	determination in soils, (26) 816; (27) 620; (29) 424.
salicipeida, studies, (28) 559.	spp., notes, (28) 814.
spp. injurious to willows, (32) 554.	Rhizobium—
Rhabdopterus picipes— remedies, (39) 60.	beyerinckii injurious to soy beans, (38) 451. leguminosarum, gum of, (27) 134.
studies, (33) 450; (36) 54.	leguminosarum, studies, (39) 722.
Rhabdospora—	radicicola, action of products elaborated by, (29)
alevandrina n.sp., description, (32) 443. bermardiana n.sp., notes, (37) 630.	Rhizobius—
coffeae, notes, (38) 51.	lopanthae
dodartine n.sp., description, (35) 844.	destructive to purple scale, (26) 757.
melongonae n.sp., description, (27) 152. Rhaeodineura antiqua, life history and habits, (37)	notes, (26) 149. parasitic on orange scale, (26) 554.
160.	ventralis, parasitic on black scale, (26) 556.
Rhaeboscelis tenuis, studies, (40) 754.	Rhizoctonia—
Rhagidia sp., notes, (29) 458. Rhagoletis—	as a needle fungus, (39) 554. crocorum, notes, (35) 846; (36) 647.
cerasi, notes, (27) 53.	crocorum, notes, (35) 846; (36) 647. destruens, notes, (36) 449; (38) 848.
cingulata, see Cherry fruit maggot.	destruens, treatment, (30) 348.
fausta, notes, (30) 852. fausta, remedies, (31) 737.	diseases, notes, (39) 146; (40) 48. diseases, studies, (40) 746.
fausta, wild host, (39) 467	diseases, studies, (40) 746. investigations, (34) 840.
juniperinus n.sp., description, (34) 450.	lesions on potato stems, (33) 548. medicaginis, notes, (33) 846; (38) 648.
pomonella, see Apple maggot, ribicola, see Currant fruit ily.	microsclerotia—
spp. on cherry, (33) 561.	n.sp., description, (38) 252.
spp. on cherry, (33) 561. spp., studies, (29) 55.	n.sp., notes, (37) 652.
Rhamnosc— behavior in fermenting mixtures, (27) 502.	on fig, (39) 757. morphology and parasitism, (28) 149; (35) 148.
determination in presence of other methyl-	morphology and parasitism, (28) 149; (35) 148. napi, relation to Botrytis cinerea, (36) 449.
penroses, (34) 11.	on jute as affected by potash deficiency, (40) 48, 347.
isolation from soils, (28) 418. Rhamnus purshiana, notes, (32) 46.	on potatoes, (32) 136; (39) 456, 649.
Rhaphidophorinae in America north of Mexico,	parasitic in America, (35) 749.
(34) 854.	pathogenic action, (38) 250. relation to pine seedling damping-off, (33) 551.
Rhapidospora coffeicola, notes, (38) 51. Rheosporangium aphanidermatus n. g. and n.sp.,	root rot of peas, (39) 354.
description, (33) 648.	solani—
Rheumatism—	and Moniliopsis aderholdii, identity, (36)
acute articular, organism, (39) 789. articular, immunization, (37) 782.	in soils, (39) 249.
Rhigopsidius tucumanus, notes, (29) 761; (30) 459;	new strain on potato, (37) 654.
(38) 864.	notes, (32) 239, 443. on beans, (39) 52.
Rhigozum trichotomum, analyses and digestibility, (27) 871; (32) 167.	on vegetables, (39) 454.
Rhina-	4 rejection of name. (34) 443.
barbirostris—	studies, (28) 149; (32) 147; (36) 847; (37) 47, 350.
affecting coconut palms, (29) 858.	sp., description and treatment, (30) 50.
notes, (26) 354. nigra, notes, (29) 853.	sp. in seed beds, (37) 651.
notes, (40) 759.	sp. in seed beds, (37) 651. sp., notes, (26) 844; (28) 246; (29) 547, 549, 647, 650; (30) 152.
Rhinanthus— , crista-galli, eradication, (40) 833.	
spp., notes, (30) 141.	sp. on eggplant, (31) 344.
spp., notes, (30) 141. Rhinastus pertusus, notes, (37) 359. Rhinastus pertusus, notes, (37) 359.	sp. on sweet potatoes, (36) 451. sp., relation to damping off of truck crops, (35)
Rainoceros deetie, see Orycles rainoceros ente Strate-	844
gus quadrifoveatus. Rhinocricus arboreus, scale-feeding habits, (38) 865.	sp., relation to sugar beet damping off, (33) 246.
Rhinotrichum tenellum, notes, (28) 648.	sp., treatment, (27) 655; (30) 846. spp. in America, (33) 350.
Rhipicephalus— appendiculatus—	spp. in America, (35) 350. spp. in India, (34) 50. spp., notes, (28) 241; (29) 445; (30) 47, 48, 538,
notes. (29) 58.	spp., notes, (28) 241; (29) 445; (30) 47, 48, 538,
relation to African Coast fever. (28) 478.	845; (34) 350.

Rhizoctonia—Continued. strains of, (37) 753.	Rhodes grass—Continued. notes, (27) 528; (29) 428.
violacea-	root system, (36) 438.
asparagi, treatment, (38) 648. description and treatment, (28) 847	Rhodnius prolius, transmission of trypanosomes by, (30) 853.
notes, (26) 446; (28) 52; (29) 50, 243, 550; (30) 649; (32) 642; (35) 846; (35) 849.	Rhodochlorogen, isolation from air potatoes, (28)
849; (32) 642; (35) 846; (38) 849. studies, (39) 53.	505. Rhodochytrium—
treatment, (26) 648. Rhizoecus falcifer, notes, (26) 655; (28) 550.	sp., notes, (30) 647. spilanthidis, development and cytology, (26)
Rhizoglyphus—	852.
echinopus as orchid pest, (29) 659. echinopus, notes, (30) 449.	Rhododendron— borer, notes, (30) 357.
hvacinthi, notes. (35) 54.	lace bug, see Leptobyrsa spp.
sp., notes, (27) 457. Rhizomes, hemicellulose in, (30) 130.	tingid, notes, (36) 656. Rhododendrons—
Rhizopertha—	handbook, (26) 337. new, at Kew Gardens, (32) 339.
dominica, notes, (30) 655; (40) 458. dominica, studies, (37) 356.	new species, (40) 511. treatise, (38) 542.
dominica, studies, (37) 356. pusilla, notes, (26) 453. Rhizophidium pollinis on oospores of Peronospora-	Rhodoseptoria ussuriensis n.g. and n.sp., descrip-
ceae, (31) 641.	tion, (30) 240. Rhodosticta onobrychidis n.sp., description, (35)
Rhizophora— mucronata as a source of tannin extracts, (28)	454.
146.	Rhodoxanthin, mitochondrial origin, (37) 129. Rhodymenia palmata, analyses, (37) 814.
physiological studies, (39) 122. Rhizopods in soils, (35) 121.	Rhogadinae of Philippines, (39) 468, 663.
Rhizopogon luteolus, prevalence in South Africa, (29) 461.	Rhogas—see also Rogas. autographae, notes, (28) 253.
Rhizopus—	autographae, notes, (28) 253. canadensis, notes, (29) 250. kitcheneri, notes, (30) 759.
detection in fruit tissue, (39) 248.	spp., descriptions, (32) 156. terminalis, notes, (36) 60.
maydis n.sp., description, (38) 849. n.spp., studies, (28) 745.	terminalis, notes, (36) 60. Rhopalocera, American, mimicry in, (28) 655.
nigricans— affecting tomatoes, (30) 349, 351.	Rhopalomyia—
ammonifying power, (32) 29.	grossulariae n.sp., notes, (26) 150. hypogaea—see also Diarthonomyia hypogaea. notes, (34) 251. Phonelicky are also Aphie
chemotropic reactions in, (36) 845. description, (32) 51.	notes, (34) 251. Rhopalosiphum—see also Aphis.
growth and sportlation, (28) 524.	betae n.sp., notes, (29) 454.
Isolation from cheese, (26) 479. notes, (26) 647; (27) 763; (31) 447, 645.	brittenii n.sp., description, (27) 788. brittenii, notes. (30) 53.
occurrence in suger, (28) 505. on citrus, (35) 748.	brittenii n.sp., description, (27) 758. brittenii, notes, (30) 55. hippohaes and Myzus braggii, confusion, (34) 357.
crated strawberries, (36) 452; (37) 351.	19611696 DOLOS (27) 758
dead or dormant sugar beets, (33) 246. strawberries, (38) 252, 646.	nymphaeae affecting plums, (34) 550. nymphaeae, notes, (28) 854; (37) 401, 502. persicae, relation to spinach blight, (39) 551. spp., notes, (26) 149. Rhopalosma poeyi, life history, (31) 355. Rhopalothrips bicolor n.g. and n.sp., description,
tomatoes, (34) 53.	persicae, relation to spinach blight, (39) 551.
strawberries, (38) 252, 646. tomatoes, (34) 53. protein synthesis by, (27) 525. relation to potato leak, (35) 751.	Spp., notes, (26) 149. Rhopalosma pocyi, life history, (31) 355.
rennet in, (31) 34.	Rhopalothrips bicolor n.g. and n.sp., description, (27) 454.
relation to temperature, (33) 545. rennet in, (31) 34. studies, (26) 749; (34) 156; (39) 854; (40) 347. treatment, (38) 149. sp. on crated strawberries, (35) 458. sp. amponia production by (36) 221.	Rhopaloymia grossulariae, notes, (28) 62.
sp. on crated strawberries, (35) 458.	Rhopobota vacciniana, see Eudemis vacciniana. Rhubarb—
spp., ammonia production by, (36) 221. spp. on sweet potatoes, (32) 343. spp., physiological studies, (34) 539. Rhizosphaera kalkhoffi n.n. on spruce, (32) 150.	composition, (34) 255.
spp., physiological studies, (34) 539.	culture, (33) 44; (34) 41; (36) 498. culture, treatise, (34) 232.
remizosumena rubra n.g. and n.sp., description, (55)	curculió, biology, (29) 56. diseases, studies, (40) 450.
647. Rhode Island—	iertilizer experiments, (20) 31; (28) 325; (34) 294;
College, notes, (20) 300, 900; (27) 199; (29) 399; (30) 699; (31) 697; (37) 99; (39) 600.	(36) 121. forcing experiments, (31) 835.
(30) 699; (31) 697; (37) 99; (39) 600. Reds, see Fowls.	handling and shipping, (34) 637. potato stem borer on, (39) 160.
	Rhus-
financial statement, (28) 795. list of publications, (26) 795. lists of publications, (26) 795. notes, (26) 309, 900; (27) 199, 494, 000; (28) 94, 196, 600; (29) 399, 700; (30) 699; (31) 100, 697; (32) 305; (34) 296, 900; (37) 300; (38) 400, 900; (39) 400; (40) 288. publications, (37) 99. report, (30) 508; (33) 398; (35) 299; (38) 398; (40) 198. report of director (29) 795	diversibba, poisonous principle, (36) 501 flavones of, (39) 431.
nutes, (26) 300, 900; (27) 199, 494, 600; (28) 94, 196, 600; (29) 399, 700; (30) 699; (31)	glabra, notes, (30) 145. lauring and R. diversiloba, fats from, (38) 202;
100, 697; (32) 398; (34) 296, 900; (37) 300;	(39) 27.
publications, (37) 96,	semialata, insect galls on, (38) 764. spp., analyses and digestibility, (27) 871; (32) 167.
report, (30) 598; (33) 398; (35) 299; (38) 398;	167.
10100001 (2100001) (20) 1000	toxicodendron, constituents of, (36) 502. vernix pollen, toxicity, (31) 280.
Rhodes grass— analyses. (30) 565.	Rhusa grass oil, distillation, (27) 210. Rhusiopathia suum, studies, (27) 384.
analyses, (30) 565. culture, (34) 694.	Rhynchaenus (Orchestes) mangiferae n.sp., de-
experiments, (28) 735; (30) 434, 632.	scription, (35) 365. Rhynchiodexia flavotessellata n.sp., description.
in Philippines, (2e) 361; (30) 233. Porto Rico, (29) 631. Tevas, (40) 730.	(35) 259. Rhynchites—
Texas, (40) 730.	auratus—
under irrigation, (33) 228. for hay and pasture, (37) 644.	egg-enting parasite of, (31) 159. life history, (34) 361.
hay, digestibility and productive value, (37) 865.	life history, (34) 361. studies, (31) 254. bicolor, notes, (32) 651.
hay, mineral constituents, digestibility, (40)	conicus, studies, (30) 363.

Rhynchites—Continued.	Rice—Continued.
ruber, investigations, (28) 455.	breeding experiments, (26) 435; (33) 234; (37)
ruber, nematode parasite of, (32) 453.	827; (38) 526, 635; (40) 631.
spp. in Russia, (34) 857.	breeding experiments, plats for, (40) 336.
Rhynchophora—	breeding notes (40) 592
ferruginea in Ceylon, (38) 62.	breeding, notes, (40) 523.
of British India, (37) 765.	broadcasting v. transplanting, (27) 638 brusone, notes, (28) 617.
of northe istern America, treatise, (36) 157.	bra notes (10) 001.
of Philippines, (28) 561.	bug, notes, (40) 261.
	by-products—
studies, (37) 58; (40) 861.	analyses, (28) 464. composition, (26) 468; (37) 363.
Rhynchophorus—	composition, (26) 468; (37) 363.
ferrugineus—	feeding value, (26) 465; (27) 169; (40) 875.
life history, (26) 654 notes, (27) 858; (29) 653; (30) 660, (33) 154.	for pigs, (36) 768; (39) 174, 674
notes, (27) 858; (29) 653; (30) 660, (33) 154.	mosit phosphoric acids of, (39) 14.
larvae secretions in cocoon making, (34) 362.	mineral constituents, digestibility, (40) 769.
palmarum—	notes, (31) 83!
affecting coconut palms, (29) 858.	carbon, use in sugar manufacture, (39) 113.
notes, (26) 354.	caterpillar, notes, (30) 252.
studies, (39) 468.	Chop, Shaivses. (31) 467.
Rhynchosia—	classification, (29) 535; (31) 137 cleaning and polishing industry in United States, (30) 791.
gibba, analyses and digestibility, (27) 871.	cleaning and polishing industry in United
spp., analyses and digestibility, (32) 167.	States, (30) 791.
Rhyssa, studies, (34) 758.	coating and polishing, (27) 64; (28) 459.
	costing officet on notifities production (20) 965
zez y ozostki	
acorinum, host relations, (27) 853.	composition—
acerinum, studics, (28) 851. punctatum, notes, (31) 813.	and dietetics of, (32) 252.
punctatum, notes, (31) 813.	as affected by firtilizers, (29) 231.
spp., studies, (28) 852.	at various stages of growth, (34) 435.
Ribbon cane, silage from, (39) 272.	consumption in Philippines, (36) 532.
Ribe County Western Agricultural Society, (30)	cooking quality as affected by polishing, (31)
134.	163.
Ribes—see also Currants, Gooseberries, etc.	copper sulphate for, (39) 235. correlation in, (36) 531; (37) 141.
aphis, dark green, notes, (30) 53.	correlation in, (36) 531; (37) 141.
as winter host of white pine blister rust, (31)	critical period of growing selson, (39) 811
647.	cultivated, origin, (33) 428; (35) 34. culture, (30) 638, (31) 855; (32) 226; (35) 236.
pallidum, fertility of, (31) 225.	culture, (30) 638, (31) 855; (32) 226; (38) 236.
spp., resistance to pine blister rust, (38) 151.	
	by muchinary (30) 437
Rice-	danog mothod (34) 631
adulteration, (27) 867.	dry-land (30) 423
amino acid in, (33) 665. analyses, (27) 140; (31) 65, 863, 864; (34) 560; (37)	experiments (98) 999 (97) 524 699 (99) 693
analyses, (27) 140; (31) 65, 863, 864; (34) 560; (37)	200 004 000 (20) 200, (21) 004, 000, (20) 000;
363; (38) 67.	culture— by machinery, (80) 437. dapog mothod, (34) 631. dry-land, (39) 423. experiments, (26) 233; (27) 534, 638; (28) 633; (29) 224, 830; (30) 229, 434, 525, 736, 528; (31) 735., 1; (32) 136, 227, 730; (34) 231; (35) 31, 337;, 1, 526, 527, 635, 735; (39) 229 230, 437, 520, 632, 738; (40) 228, 231, 332, 336, 523, 025, 825. in Argentina, (37) 823, 830.
anatonical studies, (26) 332. and rice cookery, (31) 394.	01 000, 1 000, 221, 100, (02) 201, (00)
and rice cookery, (31) 394.	31, 331; 11 11, 332, 823, 824, 823; (88) 230
anthocyan pigment in, inheritance, (38) 29.	336, 337, 1 3, 526, 527, 635, 785; (39) 229
antineuritic vitamins in, (38) 581.	230, 437, 529, 632, 738; (40) 228, 231, 332
artificial cross-pollination, (34) 823.	336, 523, 625, 825.
artificial cross-pollination, (34) 823. as a food, (26) 865; (29) 865; (36) 464.	in Argentina, (37) 823, 830.
affected by acids and alkalis and their salts,	Belgian Kongo, (28) 835.
(34) 31.	Brazil, (31) 834.
affected by aluminum salts, (35) 817.	Burma, (31) 529; (34) 227; (40) 632.
an adulterant of flour, (26) 710.	California, (27) 140; (33) 834.
host of curlew bug, (27) 162.	California, (27) 140; (33) 834. Central Provinces, (31) 137.
prepared for food in Bengal, (35) 859.	Ceylon, (31) 632. Clima, (36) 632. Dutch East Indies, (30) 697. Guam, (37) 729; (40) 328.
ash analyses (20) XII	China, (36) 532.
ash analyses, (29) 861. Asiatic, analyses, (28) 360; (29) 865. Asiatic, relation to beriberi, (28) 360.	Dutch East Indies, (30) 697.
A significant of horibori (28) 360	Guam, (37) 729; (40) 328.
assimilation of—	Guiana, (31) 391.
iron ha (39) 427: (36) 431	India, (28) 736; (32) 131; (35) 138.
iron by, (32) 427; (36) 431. nitrogen by, (26) 41.	Indo-China, (40) 241.
milmonic hr (20) 240 490	Guam, (37) 729; (40) 328. Guiana, (31) 391. India, (28) 736; (32) 131; (35) 138. Indo-China, (40) 241. Ituly, (31) 834. Java, (26) 332; (28) 637. Kongo, (29) 336. Madagasor, (29) 635.
nutrients by, (38) 340, 429. bean, description, (31) 739.	Java. (26) 332; (28) 637.
boar forment Indian analyzes (24) 711	Kongo, (29) 336.
beer ferment, Indian, analyses, (31) 711.	Madagascar, (29) 635.
blust, notes, (36) 846; (37) 838; (40) 845.	Madagascar, (29) 635. New South Wales, (37) 442.
blast, studies, (40) 156. blight, investigations, (27) 47, 248.	Oregon, (32) 827.
bleamus and equalisted phanemans in (22)	Philippines, (28) 535; (36) 531, 532; (37)
blooming and associated phenomena in, (32)	538.
130.	Secrementa Velley (27) 738
blooming and fruit development of, (26) 435.	Spain, (32) 41; (35) 230.
borers in Java, (35) 58. borers, studies, (40) 167.	Uruguay, (31) 42.
porers, studies, (40) 107.	Spain, (32) 41; (35) 230. Uruguay, (31) 42. Vercelli, (34) 435.
bran-	
analyses, (20) 105, 302, 408, 508, 665, (68; (21)	minimum temperature limits in, (35) 718 Råb system, (27) 641. "dead grains" of, (32) 335.
409; (28) 200, 404, 372; (30) 300; (31) 73,	Ráh system. (27) 641.
467, 863; (32) 862; (33) 568, 870; (34) 467,	"dead grains" of, (32) 335.
analyses, (26) 105, 362, 468, 568, 685, 768; (27) 409; (28) 265, 464, 572; (30) 565; (31) 73, 467, 863; (32) 862; (33) 568, 870; (34) 467, 566, 767; (36) 765; (38) 369; (40) 571.	detection in wheat flour, (28) 411.
composition, (38) or.	and the second s
composition and feeding value, (31) 303.	diet-
digestibility, (31) 863; (37) 678. effect on fertilizing value of oil cakes, (26)	effect on gastric digestion, (28) 760.
effect on fertilizing value of oil cakes, (26)	effect on pigeons, (37) 571. relation to beriberi, (27) 461.
428.	relation to beriberi, (27) 461.
for pigs, (39) 478.	relation to polyneuritis, (27) 568.
nicotinic acid in, (29) 263; (31) 714.	vitamin supplement, (39) 667.
nicotinic acid in, (29) 263; (31) 714. oryzanin in, (28) 168.	dietary denciencies, nature of, (34) 307.
preservation as press cake, (40) 614.	disease, notes, (29) 548.
preservation as press cake, (40) 614. protective rôle in rice diet. (28) 279.	disaasas—
relation to polyneuritis, (28) 564.	and pests, notes, (37) 247.
silica, estimation, (40) 610.	in Brazil, (32) 238.
branching, (28) 445; (30) 638.	and pests, notes, (37) 247. in Brazil, (32) 238. in India, (33) 846; (36) 448.

Rice—Continued.	improvement, (26) 438; (28) 736; (33) 234.
diseases—continued.	industry in Cochin China, (28) 535.
notes, (31) 641; (34) 49, 744. studies, (30) 244, 540, 845.	industry, statistics, (26) 468.
distance experiments, (30) 731.	inflorescence of, (34) 531.
distribution of nitrogen in, (36) 269.	inheritance of characters, (40) 631.
downy mildew, notes, (35) 49.	inheritance of flowering time in, (35) 329.
drainage experiments, (27) 641. drying in storage, (30) 736.	inhibitor in, (40) 632.
dry-land, production, (40) 529.	insects affecting, (30) 753; (33) 856; (34) 652; (37) 847; (38) 257, 460; (39) 862. irrigation, (27) 140, 638; (33) 337; (34) 282; (37)
dry-land, variety tests, (40) 823.	irrigation, (27) 140, 638; (33) 337; (34) 282; (37)
effect on intestinal flora, (40) 867.	483, 883.
examination, (28) 357.	irrigation in southern states, (28) 888.
examination and food value, (30) 665. false smut, notes (29) 445.	judging and study in high schools, (33) 39 kernel protein, hydrolysis products of, (33)
fat, hemolytic action of, (26) 156.	867.
feed meal—	konda, analyses, (27) 469.
acidity, (32) 259.	leaf disease, notes, (36) 247.
analyses, (26) 165; (33) 870. effect on milk production, (26) 273.	leafhopper, studies, (39) 862. liming experiments, (39) 537; (40) 229.
methods of analysis, (29) 311.	loss in weight after harvesting, (38) 635.
	malting capacity, (40) 808.
fermented, liquor from, (29) 118.	manuring, (28) 637.
leeds, analyses, (29) 47. [29] 118. [ermented, liquor from, (29) 118. [ertilizer experiments, (26) 42, 232, 233; (27) 135, 336, 337, 435, 534, 637, 638, 641; (29) 228, 830; (30) 34, 229, 330, 420, 622, 730, 736; (31) 138, 733, 736; (32) 41, 136, 217, 721; (33) 32, 227; (35) 31, 32, 337; (36) 332, 532; (37) 338, 529, 539, 729, 823, 824, 825; (38) 337, 424, 433, 527, 635, 735; (39) 230, 427, 629, 537, 738, 817; (40) 228, 231, 336, 523, 625, 626, 825. [61d] ffy, notes, (38) 363.	meal—
200, 337, 430, 334, 037, 038, 041; (29) 228, 830; (20) 24, 220, 420, 622, 720, 726, (21) 122	acidity, (35) 770.
733, 736; (32) 41, 136, 217, 721; (33) 32, 227; (35)	analyses, (26) 267, 363, 568; (27) 570; (28) 265; (29) 367; (30) 67; (31) 73, 366, 467; (32) 465, 862; (33) 170; (34) 263; (38) 572,
31, 32, 337; (36) 332, 532; (37) 338, 529, 539, 729.	(32) 465, 862; (33) 170; (34) 263; (38) 572.
823, 824, 825; (38) 337, 424, 433, 527, 635, 735;	666.
(39) 230, 427, 529, 537, 738, 817; (40) 228, 231,	effect on milk and butter, (34) 570.
field fly, notes, (38) 363.	effect on pigs, (33) 775; (30) 69, 83, 180. for pigs, (33) 761.
fields as a factor in control of malaria, (37) 565.	milled, standards, (39) 871.
flour	milling, (34) 559; (37) 363.
analyses, (26) 768, 873. availability of nitrogen in, (26) 124; (27) 723.	milling-
avaliability of nitrogen in, (28) 124; (27) 723. medicinal value, (29) 865.	and by-products, (38) 67, 477.
recines. (39) 871.	industry in United States, (31) 66.
recipes, (39) 871. use in bread making, (33) 260.	processes, (26) 468.
IOOd value, (30) 557.	products, analyses, (31) 163. moth, notes, (34) 754.
for growing chicks, (38) 677. germ, composition, (26) 502.	(81) 145.
germinghility in relation to temperature and	new varieties, descriptions, (37) 831. new varieties from Japan, (31) 529, 632.
germinability in relation to temperature and humidity, (37) 736.	new varieties from Japan, (31) 529, 632.
germination energy of, (29) 538.	notes, (26) 362. nutritive value and preparation, (31) 855.
germination studies, (29) 740; (30) 437; (31) 529; (38) 24.	of Bihar and Orissa, chemical study, (36) 463.
gluten meal, analyses and feeding value, (32)	of Lower Burma, (35) 230.
266.	of Siam, composition, (30) 834. oil and fat, chemistry of, (33) 506.
grading, (34) 560.	oil, studies, (30) 665.
grains, disintegration by caustic potash, (31) 834.	on Yuma project, notes, (40) 434.
grains, weight of, (38) 531. grasshopper, control, (28) 249.	organic phosphoric acid of, (32) 712.
grasshopper, studies (27) 55.	phosphorus and nitrogen content, (26) 865.
green-manuring experiments, (36) 232; (38) 220,	phosphorus content, (27) 461. pink, heredity in, (40) 632.
336; (40) 336.	plats for breeding, (40) 336.
ground— analyses, (31) 65	nolish-
analyses, (31) 65. digestibility and productive value, (37) 865.	analyses, (26) 468, 568, 665, 768; (27) 469; (28) 464, 572; (30) 565; (31) 73, 366, 863; (32) 862; (33) 870; (34) 263, 407; (36) 65, 765; (38) 369; (40) 571.
puffed, analyses, (29) 666. rough, analyses, (26) 468.	(28) 464, 572; (30) 565; (31) 73, 366, 863;
rough, analyses, (26) 468.	(32) 802; (33) 870; (34) 203, 407; (30) 60,
growth as affected by alkali salts, (30) 630, 728, 833.	analyses and feeding value, (38) 477.
growth on colorrous coils (21) cor cre	ash aharyses, (29) 501.
hay and straw, mineral constituents, digestibility, (40) 769. hay, digestibility and productive value, (37) 865. head-to-the-row test, (32) 230. host plant of corn billing, (26) 862. brill carbon, use in superbours work.	composition and feeding value, (37) 363.
buity, (40) 769.	digestibility, (31) 863; (37) 678. oil from, (39) 109.
head-to-the-row test (30) 930	
host plant of corn bilibug. (26) 862.	polished— and vitamin as a complete food, (32) 67.
hull carbon, use in sugarhouse work, (37) 806. hull content, calculating, (37) 363. hulled volume weight and really characters	composition, (29) 565.
hull content, calculating, (37) 363.	composition, (29) 565. effect on the brain, (27) 365.
hulled, volume weight and grain character- istics, (37) 643.	nutritive value, (36) 158.
huller and polisher, tests, (27) 234.	use in Philippines, (28) 760; (33) 261. polishings—
hulling waste product as a feeding stuff. (35)	chemistry of, (33) 564.
271.	extract, use against beriberi, (34) 367.
analyses, (34) 467.	phosphotungstate precipitate, (33) 167.
burnt, fertilizing value, (30) 731.	use as porridge, (31) 258.
composition and feeding value. (38) 67.	vitamin-fraction from, (29) 664. vitamins in, (30) 285.
composition and use, (27) 727. determination in feeding stuffs, (29) 810.	pollination, (36) 527.
determination in feeding stuffs, (29) 810.	pollination—
feeding value, (39) 272. for chicks, (37) 768.	and cross-fertilization in, (29) 522; (32) 830.
PACTURE CHOICE (SEL (SEC) 1991 DEC	Donned production in Ohine (40) 557
husking in variety tests, (39) 236.	Dreparation. (27) 66.
husking in variety tests, (39) 236. hybridization, (26) 733; (38) 236, 526, 635. hybrids, transmission of characters in, (26) 435.	studies, (33) 234. popped, production in China, (40) 557. preparation, (27) 66. preparations, effect on quality of dough, (26) 761.
llocano and Tagalog, selection, (40) 336.	production—
imports into United States, (34) 435.	and uses, (27) 739; (39) 888. in the Americas, (38) 34.

Rice-Continued.	Rice—Continued.
production—continued.	varieties—continued.
in United States, (26) 293; (27) 739. 1918 program, (38) 836.	in Philippines, (36) 531.
1915 program, (35) 550.	Yamethin district, Burma, (29) 736. variety tests, (39) 230; (40) 228, 242, 332, 336, 523,
products, analyses, (32) 169, 568. proteins, (27) 166.	625, 823, 825.
proteins, nutritive value, (39) 665, 666.	waste, composition and use, (27) 727.
proteins, nutritive value, (39) 665, 666. proteins, reagent for, (29) 881. puffed, analyses, (30) 68 rate of seeding tests, (27) 637, 638. red, control. (39) 529.	water culture experiments, (30) 832.
puffed, analyses, (30) 68	water requirement, (32) 127.
rate of seeding tests, (21) 651, 655.	water weevil— habits and remedies, (29) 259.
red, cradication, (37) 532.	investigations, (27) 562.
region, meteorological service, (39) 718.	investigations, (27) 562. remedies, (33) 257; (37) 568.
relation to beriberi, (26) 155; (28) 168, 569; (29) 269, 460; (31) 463, 555, 858.	weather injuries in Italy, (37) 50.
269, 460; (31) 463, 555, 858.	Weevil— as affected by Poentgen rove (29) 57
relation to polyneuritis, (28) 567. root rot, studies, (29) 447.	as affected by Roentgen rays, (28) 57.
rotation experiments. (33) 32.	egg laying habits, (31) 655. in stored cereals, (39) 463, 862.
rotation experiments, (33) 32. salt as fertilizer for, (32) 324.	life history and remedies, (28) 455; (31) 354, notes, (26) 453; (27) 657; (28) 158; (29) 458; (30) 655; (31) 57; (34) 754.
salt water, tests, (30) 233.	notes, (26) 453; (27) 657; (28) 158; (29) 458;
sampling and grading, (39) 871.	on stored corn. (40) 861
sclerotial diseases, (40) 48. screenings, analyses, (27) 774.	remedies, (27) 258.
seed—	studies, (37) 356; (40) 752.
coats, thickness, (39) 826.	on stored corn, (40) 861. remedies, (27) 258. studies, (37) 356; (40) 752. wild, cultivation by Indians, (38) 34.
germination tests, (27) 534.	
light v. heavy, (20) 435. selection, (30) 233, 338, 437; (37) 538, 539, 824.	wild, in tropical Africa, (26) 438. wilt disease, notes, (28) 647. withering of panicle in, (33) 850.
selection tests. (40) 523.	withering of panicle in, (33) 850.
seeding and transplanting, (36) 532.	worm, notes, (34) 250. xenia in, (32) 230; (40) 632.
selection tests, (40) 523. seeding and transplanting, (36) 532. seeding experiments, (29) 830; (30) 525; (37) 532,	xenia in, (32) 230; (40) 632.
824.	yellow grains in, cause, (33) 548. yield as affected by deep plowing, (35) 527.
seedlings, transplanting, (38) 527. selection experiments, (38) 526, 527; (40) 336, 523,	yields, determination, (37) 634.
622	Richardsonia (scabra) glabra, culture, (30) 335.
smut, description and bibliography, (35) 247.	Richweed, toxicity, (38) 685, 883.
smut, notes, (29) 245; (35) 243. soil aeration, (38) 828.	Ricin—
soil aeration, (38) 828.	agglutinating properties, (31) 773. and its antitoxins, (32) 78.
soils of Hawaii, studies, (30) 420. soils, swamp, gases of, (39) 517.	chemical and biological properties, (31) 774.
spacing experiments, (36) 532.	chemical nature and preparation, (30) 204.
spelts or hulls, determination in rice feed meal,	detection in feeding stuffs, (34) 407.
(26) 714.	detection in feeds, (30) 204.
spike disease, notes, (38) 848.	notes, (26) 676. Ricinus—see also Castor beans.
starch—content, (35) 108.	communis for sheep, (26) 368.
determination, (26) 709. determination, (26) 709. fractional liquefaction, (32) 633. hydrolysis by diastase, (28) 407; (30) 111.	communis for sheep, (26) 368. diseases, notes, (29) 243. poisoning, studies, (34) 466.
fractional liquefaction, (32) 633.	poisoning, studies, (34) 466.
hydrolysis by diastose, (28) 407; (30) 111.	Rickets—
notes, (27) 765. studies, (31) 828.	prophylactic therapy, (39) 772. relation to diet, (26) 264; (29) 464; (39) 568.
stem horar studies (35) 659.	review of investigations, (36) 363.
stored, insects affecting, (30) 655.	studies, (39) 568, 589.
stem borer, studies, (35) 659. stored, insects affecting, (30) 655. straight head disease, (35) 350; (39) 529.	summary and digest of data, (36) 161.
straw—	Rickia n.spp., descriptions, (27) 460. Rictularia splendida n.sp., description, (32) 185.
as mulch for sugar cane, (40) 633.	Rileya—
chloroform extract of, (31) 71. composition, (27) 608. digestibility, (27) 699; (34) 72; (37) 168. feeding value, (38) 168.	n.sp., description, (36) 557.
digestibility, (27) 669; (34) 72; (37) 168.	synopsis of species, (40) 760.
feeding value, (38) 168.	Rinderpest— antiserum—
fertilizing value, (30) 731. sulphur and chlorin content, (29) 231.	immine hodies in. (28) 881.
tipulids and tabanids affecting, (33) 555.	preparation, (28) 881.
transplanted, morphology and development,	preparation, (22) 831. production, (31) 283. atypical, in carabao, (31) 677; (36) 181.
	atypical, in carabao, (31) 577; (36) 131.
transplanting, (31) 834; (32) 230; (33) 234; (37) 538, 824, 825; (40) 529. transplanting, Italian method, (34) 36.	blood, virulency in water leeches, (33) 876. chemotherapy, (32) 82. control in island of Panny, (29) 582.
transplanting Italian method. (34) 36.	control in island of Panay, (29) 582.
treatise, (31) 834.	control in Philippines, (28) 782. feeding and immunity in, (28) 374.
ufra discase—	feeding and immunity in, (28) 374.
notes, (29) 445; (39) 146.	immune bodies, destruction by heat, (32) 476.
studies, (28) 151; (30) 49; (38) 351, 547; (40)	immune bodies, precipitation, (28) 881. immunization, (26) 377, 578, 676; (31) 283; (32) 580; (35) 487, 784; (37) 480; (38) 484, 888; (39) 81.
48. treatment, (36) 348, 349.	580; (35) 487, 784; (37) 480; (38) 484, 888; (39) 81.
unhusked, relation to beriberi, (32) 67, 579.	immunization, use of organ extracts in, (50) 002.
nniand, culture, (37) 539.	Philippine cattle, (39) 684.
use by diabetics, (28) 861. in bread making, (34) 460; (40) 360, 657.	swine, (37) 79; (38) 80.
in diet, (27) 664.	swine, immunization, (38) 287.
in warious countries (29) Sha.	notes, (30) 79.
varieties, (27) 135, 137, 140, 534, 637, 638, 641, 738; (28) 533, 736; (29) 228, 830; (30) 229, 233, 435, 525, 730, 738; (31) 42, 133, 733, 738; (32) 136, 525, 730, 738; (31) 42, 133, 733, 738; (32) 136, 525, 730, 738; (31) 42, 133, 733, 738; (32) 136, 528, 528, 528, 528, 528, 528, 528, 528	outbreak in Davao, (26) 286.
(28) 533, 736; (29) 228, 830; (30) 229, 233, 435,	peculiar bodies in erythrocytes in, (30) [181. prevalence in—
525, 730, 738; (81) 42, 133, 733, 736; (82) 130, 228, 630, 729; (33) 130; (34) 36; (35) 31; (36) 737;	east Asia, (28) 377.
(37) 532, 729, 824, 825, 826; (38) 229, 230, 336,	east Asia, (28) 377. Formosa, (27) 378.
337, 433.	Philippines, (26) 377; (27) 380.
varieties—	relation to coccidiosis in cattle and carabaos, (35) 76.
adapted to deep water, (38) 741.	review of literature, (30) 683; (31) 177.
differentiating, (32) 633. in India, (26) 536.	studies, (36) 779.
Madras, (40) 523.	transmission experiments, (31) 677; (35) 487.

Rinderpest—Continued.	Road-Continued.
treatment, (28) 82; (35) 784; (39) 489. virus, cultivation in vitro, (31) 677.	notes, (33) 189, 688.
virus, culture experiments, (33) 180 virus, vitality outside the unimal body, (38)	machinery—continued. notes, (33) 189, 688. specifications, (33) 289. making, treatise, (25) 789.
785.	materials—
Ringworm— in horses, studies, (28) 181; (38) 83.	bituminous, methods of examination (34) 318.
treatment, (35) 279.	bituminous, foughness, (37) 885.
Rio Grande— bird reservation, (38) 555.	in Alabama, (26) 891. Canada, (36) 586. Coshocton Co., Ohio, (27) 655.
flood, (26) 614. waters of, (38) 385.	Coshocton Co., Ohio, (27) 655. Europe, testing, (27) 685.
Ripersia—	Europe, testing, (27) 68b. Florida, (29) 387.
resinophila n.sp., description, (35) 358. theae n.sp., notes, (34) 652.	Minnesota, (31) 485. Missouri, (27) 688. New York, (33) 782. North Carolina, (33) 688, 780. Ohio, (32) 485.
Riptortus spp. affecting tea, (34) 652. River—	New York, (33) 782. North Carolina, (33) 688, 780.
and harbor improvements in Ohio, (35) 83.	Ohio, (32) 485.
bank experimental road, (29) %5. bed materials, exaporation from, (37) 785.	Oklahoma, (27) 291. Wisconsin, (34) 86.
control in Colorado River Delta, (28) 484. discharge—	nonhomogeneous, specific gravity, (36) 683 physical properties, (35) 84.
correction for changing stage, (33) 777.	resources of Minnesota, (26) 385
determination, (32) 352. handbook, (29) 487; (33) 287; (37) 484 measurements under ice conditions, (29)	specifications, (27) 386; (38) 87, 289; (39) 591, 793.
measurements under ice conditions, (29) 813.	591, 793. tests, (27) 587; (35) 390; (37) 396, (35; (38) 87 models, (33) 393.
engineering, treatise, (32) 481.	models of Office of Funde Robins, (25) 890.
gage stations in United States, (34) 84. measurement, see Stream flow measurement. mud, analyses, (30) 223; (32) 424; (36) 27.	oil inspectors, charts for, (38) 492. oil, tests, (29) 687.
mud, analyses, (30) 223; (32) 424; (36) 27, observers, instructions to, (34) 509.	pavements, tests, (29) 182. regulations in Ontario, (37) 489.
regulation, treatise, (34) 885.	river bank experimental, (29) 85.
stages, dníly, (38) 590; (40) 209. valleys, air drainage in, (27) 413.	rollers in Netherlands, (30) 290 rolling, disadvantages of, (30) 889
Rivers—	sections, standard, (38) 180. standards in Iowa, (31) 890.
African, desiccation, (38) 15. gaging, (31) 383. in California, notes, (29) 415, 510, 812; (30) 713.	surfacing blocks, tests, (30) 659.
of Sacramento and San Jorquin watersheds,	surfacing sand-clay mixtures for, (31) 289. surveying in Queensland, (31) 890.
(26) 27, 214, 614. transportation of mud by, (27) 511.	sweepings, analyses, (32) 219. system, county, designing, (35) 492
water level in, (33) 322.	system, county, engineering cost, (37) 386
Rizoberlesia trifolii, notes, (31) 848. Roaches—	systems of foreign countries and of the several States, (29) 890.
common house, as carriers of disease, (30) 156. remedies, (27) 55; (32) 650.	tar fumes, effect on vegetation, (35) 734. tars, naphthalene in, (26) 188.
tropical, notes, (28) 331. Road—	tars, pitches, etc., specifications and definitions, (35) 888.
aggregates, broken stone, (39) 494	terms, glossary, (31) 90.
binders, asphalt, specifications, (30) 290. bonds, (34) 190.	transportation, application of power to, (31) 90. Roadrunner, food habits, (37) 156.
bonds, court decisions concerning, (29) 183. building rock, tests, (34) 684, 890; (35) 685; (39)	Roads—see also Pavements. Abney hand level for, (33) 685.
493.	administration, (33) 290.
building, use of explosives in, (26) 91. concrete, hydrated lime in, (40) 788. departments, organization, (33) 782.	administration— in Arizona, (36) 386.
departments, organization, (33) 782. dragging contest in Saskatchewan, (37) 695.	California, (35) 82. Colorado, (27) 291. Georgia, (27) 687. Idaho, (28) 890; (35) 789.
drags and their use, (31) 486.	Georgia, (27) 687.
drags, construction and use, (34) 684. engineering, hand level for, (33) 393, 688. engineering in Louisiana, (31) 684.	Illinois, (35) 289.
grading, use of traction engines in, (26) 685.	Immors, (367 229. Iowa, (34) 683; (30) 587. Kansas, (33) 695; (34) 788. Kontucky, (35) 492. Maine, (33) 850; (36) 587. Maryland, (31) 492, 686; (37) 787. Massachusetts, (34) 387. Michigan, (33) 486. Minneact, (38) 385. (27) 190. (33) 588.
gravels in Iowa, (38) 692. improvement, rôle of truffic census in, (28) 684.	Kentucky, (35) 492. Maine (33) 889: (36) 587
law in—	Maryland, (35) 492, 686; (37) 787.
Arizona, (27) 890. Connecticut, (28) 891. Kansas, (31) 289. Missouri, (31) 590.	Missachusetts, (34) 587. Michigan, (33) 486.
Kansas, (31) 289. Missouri, (31) 590.	Minnesota, (28) 385; (27) 190; (33) 588; (37) 590.
New Jorsey, (26) 891. New York, (37) 590.	Nebraska, (33) 888.
Ohio, (27) 790; (35) 493, 583.	New Jersey, (34) 48±. New Mexico, (36) 284; (38) 689.
laws in— Alahama, (36) 386.	
Alabama, (36) 386. Iowa, (28) 382; (31) 289; (35) 493; (37) 386.	New York, (33) 383; (35) 265; (36) 468. North Carolina, (33) 780. North Dakota, (33) 683; (37) 84. Nova Scotia, (35) 789. Oklahoma, (37) 385. Ontario, (33) 289; (34) 890; (37) 385; (38) 789.
Maine (97) 000	Oklahoma, (37) 385.
Minnesota, (32) 385; (38) 789. Oklahoma, (36) 285.	Ontario, (33) 289; (34) 890; (37) 385; (38) 789. Oregon, (34) 684; (35) 389.
Maine, (37) 239; Minnesota, (32) 385; (38) 789. Oklahoma, (36) 285. Ontario, (32) 885. Oregon, (35) 789. United States, (27) 89; (34) 390; (36) 384. Washington, (31) 385.	Oregon, (34) 684; (35) 389. Pennsylvanin, (31) 587. Photo Johand, (35) 589.
United States, (27) 89; (34) 390; (36) 384.	Texas. (30) 591.
Washington, (31) 385. West Virginia, (34) 684.	United States, (26) 890. Utah. (27) 291: (36) 284.
machinery	Victoria, (35) 493; (36) 889. Virginia, (35) 188.
cost of operation, (34) 484. description, (28) 6.25; (28) 486.	Washington, (35) 686; (36) 889.

Roads-Continued.	Roads—Continued.
administration—continued. in West Virginia. (36) 284.	effect of grade and surface on tractive force, (28)
in West Virginia, (36) 284. Wisconsin, (37) 590 ,695. Wyonging (29) 84	estimates for in hilly country, (30) 588.
papers on, (34) 390.	experimental, (30) 386. experimental, in Ohio, (28) 786. financing, (28) 186.
advantages to rural life, (27) 587.	financing, (28) 186.
Arbor Day, (29) 695. as affected by calcium chlorid, (30) 486.	forest, construction, (31) 185. grading and improvement, information for bidders, (34) 685. gravel and sand clay, (33) 782. gravel construction, (36) 386.
as affected by traffic, (28) 684.	bidders, (34) 685.
bibliography, (28) 486.	gravel construction, (36) 386.
binding experiments, (27) 587, 789. bitumen bound broken stone, construction,	heavy traffic, pavements for, (33) 290. improved, value, (27) 890.
(30) 888. bituminous—	improvement, (26) 890; (36) 386.
macadam, construction, (36) 384.	improvement— economics of, (34) 788; (36) 386.
macadam, construction field books for, (35) 389.	illustrated lecture, (37) 598. in Alabama, (26) 891.
macadam, in Rhode Island, (32) 884.	Connecticut, (26) 891.
materials for, (27) 291. paper on, (26) 890.	Illinois, (26) 891. Maine, (26) 891.
surface treatments, (33) 782.	Maryland, (27) 588.
brick, (35) 686. brick	Missouri, (26) 891. New Jersey, (26) 891.
and concrete, maintenance, (34) 484	New Jersey, (26) 891. Oklahoma, (27) 291. South Carolino, (27) 100
construction, (30) 86. in Middle West, (40) 888.	South Carolina, (27) 190. the South, (26) 789.
monolithic, construction, (34) 586. specifications, (30) 87 surfaced, in King County, Washington,	the South, (26) 789. in California, (29) 386. Indiana, (36) 587.
surfaced, in King County, Washington,	Michigan, Wayne Co., (30) 290. Montana, (31) 185.
(33) 781. surfacing for, (28) 890.	Montana, (31) 185. New Hampshire. (26) 591.
surfacing for, (28) 890. construction, (27) 292; (29) 86; (30) 888; (34) 890;	New Hampshire, (26) 591. Ontario, (32) 688. Southeastern Wisconsin, (32) 589. the National Forests, (40) 90. United Kingdom, (27) 494; (31) 289. United States, (38) 86. Victoria, (29) 896. iontless, specifications, (27) 890.
(36) 90, 187. construction and maintenance, (26) 385; (27)	the National Forests, (40) 90.
189, 190, 386, 484, 587, 688; (33) 889; (34) 287; (35) 84 686; (37) 89; (38) 280; (40) 90, 188, 387	United Kingdom, (27) 484; (31) 289.
construction and maintenance, (26) 385; (27) 189, 190, 386, 484, 587, 688; (33) 889; (34) 287; (35) 84, 686; (37) 89; (38) 289; (40) 90, 188, 387, 485, 788, 889.	Victoria, (29) 896.
construction and maintenance—	iointless, specifications, (27) 890. location, (30) 486.
in Nebraska, (29) 289. North Carolina, (28) 485; (29) 687.	macadam—
Ohio, (32) 485. Oregon, (28) 485. papers on, (29) 291.	construction, (30) 788. resurfacing, (31) 785. traffic values, (33) 290.
papers on, (29) 291.	traffic values, (33) 290.
construction— and repair, (31) 385, 685.	transmission of pressure through, (33) 486. macadamized, tar spraying, (29) 687.
and repair, (31) 385, 685. bonds for, (38) 592. chart for, (35) 789.	maintenance, (27) 88, 688; (36) 285. maintenance—
economic factors in, (32) 586.	and repair, (29) 388. cost data, (33) 890.
economics of. (33) 688. Federal aid for, (37) 89, 188; (35) 686. financing, (33) 782. gravel for, (37) 283. in Colorado, (27) 789. Florida, (29) 387. Hawaii, (32) 788; (37) 384. Michigan, Wayne Co., (37) 385. mountain country. (32) 884.	cost data, (33) 890. in Indiana, (35) 389.
financing, (33) 782.	Massachusetts, (32) 188.
in Colorado, (27) 789.	Minnesota, (32) 385. relation to traffic, (33) 290.
Florida, (29) 387. Hawaii, (32) 788; (37) 384.	United States, (35) 389. motor trucks in, (35) 888.
Michigan, Wayne Co., (37) 385.	masonry and foundations for, (33) 782.
mountain country, (32) 884. National Forests, (37) 547.	mileage and— cost in United States, (26) 591.
New Jersey, (33) 086.	expenditures, (34) 190. expenditures in 1915, (36) 90.
New Mexico, (26) 892. Ontario, (36) 889.	revenues, (37) 288, 289. revenues in Middle Atlantic States, (35)
Ontario, (36) 889. Scotland, (31) 90. swamps, (33) 189.	revenues in Middle Atlantic States, (35) 888.
the Ozarks, (37) 695.	revenues in New England States, (36) 489.
United States. Federal aid, (39) 493. Wisconsin, (38) 87.	revenues in Southern States, (36) 785. mountain, construction. (33) 782.
treatise, (26) 285, 393; (28) 382; (37) 590; (38)	
592. with convict labor, (27) 484, 588; (36) 386;	nation-wide system of, (35) 746. oiling, (36) 787; (37) 490. papers on, (35) 583. paving, (38) 789. preservation, (28) 383; (38) 790. preservation experiments, (29) 590; (31) 686;
(38) 789.	papers on, (35) 583.
cost of construction, (29) 387.	preservation, (28) 383; (38) 790.
cost of construction and maintenance, (29) 890. county, economic survey, (36) 187.	
curve tables. (38) 289.	primer, (30) 795. primer for children, (27) 492.
demonstration, at Texas College, (36) 386. design and construction, (29) 182; (31) 590.	prison labor for, (34) 684.
distribution of traffic on, (36) 188. drainage, (33) 688, 782; (39) 687.	probable duration of, (31) 591. public, (39) 292, 493, 687.
drainage and subgrades for, (35) 390.	nublic design of, (39) 493.
drainage methods and foundations, (40) 291.	public, of South Carolina, (28) 485. puzzolan mixtures for, (30) 290.
dust prevention, (30) 884; (38) 87.	reconstructing in Southern States, (34) 434.
and sand-clay, construction, (34) 684. construction and maintenance, (36) 787.	refined tars for, (34) 684. regulations in Ontario, (36) 889.
sand-clay, and gravel, (36) 786.	relation to— rural life, (37) 89.
sand-clay, and gravel, (36) 786. treatise, (32) 85. economy of various types, (34) 484.	tire width and weight of load, (33) 782.

```
Rodents—Continued.
destruction on ships, (38) 356.
destruction with hydrocyanic acid gas, (35) 53.
destructive, notes, (29) 703
effect on reforestation, (29) 545.
genus Aplodontia, revision, (39) 759.
in California, (40) 56.
injurious in Canada, (33) 552.
injurious to stored products, (39) 161.
lengths of intestines, (30) 545.
notes, (28) 450; (34) 528.
of Colorado, (39) 555.
of Iowa, (40) 546.
parasitic acari on, (33) 159.
plague affecting, in Suffolk and Essex, (26) 461.
prevalence in Colorado, (30) 249.
relation to bubonic plague, (27) 754.
relation to poliomyelitis, (36) 354.
remedies, (31) 846, 848.
supergeneric groups, (40) 54.
Roemeria hybrida, analyses, (33) 466.
Reentgen rays—
effect on—
Roads—Continued.
rural post, Federal aid to, (35) 200.
sand-clay—
and topsoil, for North Carolina, (33) 688.
construction and maintenance, (31) 890.
sand, hay, and tar mets for, (39) 87.
specifications, (29) 187.
standard cross sections for, (31) 890.
state administration and control, (40) 688.
state management, (33) 290; (34) 788.
state, of New York, (27) 386.
subcrust movement in, prevention, (31) 785.
superelevation of curves, (29) 487; (34) 86.
surface olling of, (35) 288.
survey and plans for, (33) 782.
surveying, (36) 889
surveying, (36) 889
surveying, (36) 889
surveying, (36) 889
surveying, (37) 188.
tarred, effect on vegetation, (26) 432; (27) 30,
333, 635; (28) 38, 129; (31) 827.
tarred, in France, (27) 190.
tarring, (30) 588.
textbook, (35) 583.
tire widths for, (35) 789.
traction resistances, (36) 388, 490; (38) 491.
traffic census data, (37) 188.
traffic factors, (33) 289.
treatise, (27) 687; (31) 90, 685; (33) 393.
vitrified brick pavements for, (33) 686.
wagon the width for, (36) 787,
yearbook, (28) 486; (29) 388; (35) 583; (37) 590.
Roadside planting in relation to landscape gardening, (39) 449.
Roaring—
etiology, (29) 500.
in horses, (31) 585.
in horses, treatment, (26) 185; (29) 83; (34) 576.
treatment, (27) 188, 576.
Robin—
argleutinating properties, (31) 774.
       Roads—Continued.
rural post, Federal aid to, (35) 200.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Roentgen rays-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          effect on-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         bacterial diseases, (38) 481.
blood, (40) 767.
chickens, (31) 369.
cigarette beetle, (29) 359; (35) 554; (40) 758.
fermentation, (27) 231.
formation of antibodies, (35) 679.
tungl, (38) 355.
germination and growth of plants, (35) 436.
germination of seeds, (28) 128.
growth of young animals, (31) 664.
insects, (28) 57.
Lepidoptera, (27) 656.
metabolism in lymphatic leukemia, (37)
267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              267.
microorganisms and ferments, (27) 225.
ovaries, (32) 466.
plant and animal tissues, (30) 729.
seeds of Vicia fabs, (34) 334.
testes of rats, (26) 364.
thymus and reproductive organs, (38) 268.
tubercle bacilli, (49) 887.
vegetation, (33) 31.
use against tumors, (29) 476.
Roeselfa antiqua, parasitic on gipsy moth, (31) 652.
Roeselfa control of the control of t
    Robin—
agglutinating properties, (31) 774.
notes, (26) 676.
occurrence in locust seeds, (30) 204.
toxicity, (31) 774.
Robinia pseudoaccia—
as affected by tarring roads, (26) 432.
as coffee substitute, (40) 503, 668.
poisoning of horses by, (30) 785.
poisonous constituent of bark (31) 774.
Robins—
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Roesleria-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rossleria—
hypogea, notes, (26) 750.
pallida, notes, (36) 851.
Rosstella—
aurantiaca, notes, (29) 547.
cancellata, studies, (37) 250.
Rogas—see also Rhogas.
laphygmae n.sp., description, (30) 60.
n.spp., descriptions, (38) 165.
Rollers, cement, construction, (29) 688.
Rollinia—
elassification, (36) 433.
       coccidiosis in, (26) 187,
economic importance, (31) 349,
feeding habits, (32) 648; (38) 457.
Roborin, feeding value, (29) 467.
Rochelle salts, toxicity, (28) 661.
       Rock—
asphalts of Oklahoma, (29) 591.
fertilizers, ground, tests, (30) 327.
for road building, see Road materials.
gardens, treatise, (31) 743.
phosphate, see Phosphate.
potash fertilizer, tests, (32) 518.
road-building, tests, (34) 684, 890.
Rockfellar Institute for Medical Research—
papers, (31) 277.
Rockerles, making and planting, (39) 245.
Rockfolls, treatise, (34) 45.
         Rock-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rollinia—classification, (36) 433.
notes, (31) 339.
Rolliniopsis n.g. and n.spp. from Brazil, (36) 220.
Rolliniopsis n.g. and n.spp. from Brazil, (36) 220.
Romaurankalk in animal metabolism, (26) 469.
Roof paints, tests, (35) 189.
Roofing—
materials for rural structures, (36) 590.
metallic, as affected by smoke, (33) 428.
Roofs, masonry, (36) 399.
Roofbloem, life history, (26) 440.
Rook, feeding habits, (36) 354.
Roosevelt Wild-life Forest Experiment Station, (40) 800.
Roosting closets, notes, (26) 572.
         Rocks
       aluminum silicate, of Madagascar and West
Africa, (32) 511.
availability of plant food in, (31) 621.
cementing material, plant food value, (27) 513.
crystalline, soils from, (27) 415.
for road building, (35) 84, 685; (37) 386.
grinding, (27) 500.
ground, fertilizing value, (27) 500; (28) 33.
microscopic method of analysis, (35) 84.
of United States, analyses, (34) 222.
potash-bearing, in Wyoming, (26) 623.
relation to plant food constituents of resultant
soils, (28) 622.
silicate, potash salts from, (31) 321.
solubility of chemical constituents, (28) 812.
weatharing, (29) 123.
Rockweed, analyses, (32) 32.
Rockweed, analyses, (32) 32.
                                             aluminum silicate, of Madagascar and West
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Root-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ot—
sphids, nematode parasite of, (35) 658.
beer, alcohol content, (35) 557.
borers in West Indian soils, (28) 858; (29) 858; (30) 554.
cellar, concrete, description, (27) 893.
cellar, description, (33) 783.
cellars for prairie farms, (35) 690.
crop diseases in Saxony, (32) 749.
crop diseases, notes, (29) 242.
crop seeds in Denmark, (37) 742.
crop seeds, production in Sweden, (39) 644.
crops—
            Rodent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          crops
         Hodent—
disease, transmissible to man, (33) 450; (34) 355.
pests of the farm, (39) 460.
plague, relation to human infection, (34) 355.
Rodents—see also Rats, Mice, etc.
control in Colorado, (34) 651.
destruction, (27) 52, 754; (37) 558.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              accuracy of dry-matter determinations, (29)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              analyses, (26) 369.
as affected by soils, (29) 577.
boric acid for, (39) 730.
breeding experiments, (40) 735.
```

Root-Continued.	Root-continued.
crops—continued.	systems of—
combined fungus attacks on, (35) 245. cooking, (29) 566.	agricultural plants, (31) 733; (33) 526. cereal and forage crops, (39) 230
culture, (31) 630; (39) 834.	desert plants, (30) 827; (39) 29.
crops, culture— continuous, (31) 226.	desert plants, (30) 827; (39) 29. Indian crops, (39) 230. plants, atlas, (32) 634.
experiments, (29) 431; (30) 632; (33) 227; (36)	plants, development, (34) 727.
228; (37) 732, 733; (38) 133, 634; (40) 228, 625.	plants in relation to soil moisture, (31) 514. plants, measurements, (28) 228.
for fall and winter use, (33) 34.	tips, permeability, (28) 126. tubercles—see also Nodule bacteria.
for winter forage, (38) 735. in Brazil, (29) 428.	tubercles—see also Nodule bacteria. formation, (27) 25; (34) 727.
Dutch East Indies, (30) 697.	formation as affected by nitrogenous salts,
Nebraska, (40) 521. Philippines, (34) 635.	(37) 133.
South Australia, (34) 341; (35) 835; (38)	production as affected by nitrates, (35) 634, urease in, (35) 334.
540; (40) 340. South Dakota (40) 32	variations in, (36) 527. tumors, notes, (27) 544; (31) 841.
South Australia, (34) 341; (35) 835; (38) 540; (40) 340. South Dakota, (40) 32. Sweden, (34) 431.	Rootlets-
erons—	chemotropism in, (32) 128. secondary, of cereals, (40) 32.
dry matter content, (26) 436; (34) 865.	Roots—see also Plant roots.
dry matter content, (26) 436; (34) 865. feeding to breeding animals, (26) 95. feeding value, (38) 665; (40) 32. fertilizer experiments, (26) 629, 725; (28) 828; (30) 229, 626. field tests in Philippines, (40) 228.	absorption—
fertilizer experiments, (26) 629, 725; (28)	and exertion of salts by, (26) 624. of ions by, (34) 334.
828; (30) 229, 626.	of ions by, (34) 334. of nutrients by, (37) 222.
for cows, (29) 577.	adsorption of nitrogen by, (29) 732. aeration experiments, (34) 334. anatomical structure in different media, (37) 431. as affected by anesthetics, (32) 626. as affected by illuminating gas, (34) 243. assimilation of atmospheric carbon by, (38) 329. autotropic readjustment, (28) 439.
for cows, (29) 577. forage, (28) 41.	anatomical structure in different media, (37) 431.
seed, field tests, (39) 437. work horses, (33) 471. insects affecting, (28) 248; (30) 53; (34) 651.	as affected by illuminating gas. (34) 243.
insects affecting, (28) 248; (30) 53; (34) 651.	assimilation of atmospheric carbon by, (38) 329.
migation experiments, (20) 020.	autotropic readjustment, (28) 480. contractile, structure and function, (33) 724. cooking, (29) 566.
liming experiments, (36) 27. "May sick" disease of, (30) 399.	cooking, (29) 566.
of Chile, (38) 336. of Philippines, (40) 231.	determination of dry matter in, (26) 312; (27) 9. edible, use in Surinam, (28) 761.
profitableness of production, (29) 89.	effect on soil structure, (30) 120.
seed production, (31) 524. seeding experiments, (29) 432.	ensiled, inoculating with lactic acid bacteria, (32) 767.
storage, (28) 95. treatise, (37) 645.	epidermal cells, (37) 128,
treatise, (37) 645.	excretion of acids by, (39) 27. factors affecting branching, (27) 223.
varieties, (26) 424, 725; (28) 828; (29) 427; (30) 229, 435; (31) 829; (37) 228, 533, 733; (38) 31, 333, 432, 634. variety tests, (39) 227, 336, 738; (40) 228, 731. winter storage, (38) 442.	for lambs, (29) 271.
(38) 31, 333, 432, 634.	forest tree, growth, (37) 27. geotropic sensitivity, (36) 330.
winter storage, (38) 442.	growth as affected by temperature, (36) 28.
development as anocied by—	growth, relation to oxygen, (36) 525. hemicellulose in, (30) 130.
fertilizer salts, (29) 328. phosphates, (33) 526.	hydrotropism in, (34) 223.
formation and geotropic curvature of stem, (37) 325.	injuries by disinfectants, (32) 647.
gall, cause and treatment, (27) 749.	hydrotropism in, (34) 223. injuries by disinfectants, (32) 647. injury by arsenicals, (40) 449. losses in cooking, (28) 460.
geotropism, relation to starch, (29) 322.	negative geotropism, (37) 325. of herbaceous plants, treatise, (36) 223.
as affected by carbon dioxid, (40) 820.	orientation, (36) 129.
as affected by oxygen supply, (40) 30.	orientation as affected by media, (35) 223.
in swampy meadows, (40) 211. methods for studying, (40) 629.	osmotic pressure in relation to soil moisture (36) 733.
methods for studying, (40) 629. of cuttings, stimulation, (39) 826.	oxygen requirements, (38) 628. physical relation to soil factors, (30) 223.
of forest trees, (35) 223. periodicity in, (34) 29.	reaction to soil temperature, (32) 626.
soil temperature factor, (40) 130, 428.	relation to oxygen, (37) 525. sampling device for, (37) 711.
studies, (39) 122. habits of desert plants, (26) 728.	secondary, orientation, (37) 27.
hairs, callose in, (29) 326.	secretion of toxic substances by, (35) 636.
hairs, glandular, (37) 222. hairs, production in water, (36) 433.	solvent action of, (31) 729. starchy, as food, (36) 560. succulent, food value, (36) 863. thermotropism in, (31) 728; (32) 222.
hairs, structure, (28) 814.	succulent, food Value, (36) 863.
knot nematodes in Hawaiian Islands, (40) 51. knot, notes, (30) 746.	LUXIC EXCRETORS HORE, (88) ST.
knot, studies, (26) 342.	tree, adaptations to aquatic mediums, (30) 45. use as condiments, (36) 863.
knot, treatment, (32) 842; (34) 245; (37) 453. maggot—	Rope—
initiations to arone in Language (37) \$54	estimation of manila fibers in, (39) 15. fastenings, tests, (33) 190.
remedies, (33) 62; (36) 657.	knots, dicens, and splices with, (31) by.
notes, (29) 252, 454; (34) 753; (35) 396. remedies, (33) 62; (36) 657. studies, (37) 566, 599.	knotting and splicing, (29) 390; (35) 495. manila, manufacture, (29) 86.
of Ceanothus americanus, (35) 132.	manila, transmission of power by, (31) 688.
of Podocarpeae, (27) 828; (30) 523. studies, (38) 731.	transmitting power, (30) 190. use on the farm, (30) 591; (38) 893.
studies, (38) 731. parasites, notes, (31) 842.	uses, (32) 898.
parasites, notes, (31) 842. rot, control, (39) 852. rot, treatment, (28) 331.	Work, exercises in, (32) buy.
sacretions, lunction of, (31) 221.	hugonis, description, (34) 45.
secretions of plants, (30) 228.	imperfection of pollen and mutability in, (37)
structure as affected by— abnormal tension, (32) 825.	328. rugosa, culture in Alaska, (29) 743.
compression, (32) 825.	rugosa, tests, (37) 143.

```
Rosellinia—Continued.
radiciperda, notes, (38) 452.
sp., notes, (26) 245; (31) 55, 644.
spp. in Lesser Antilles, (37) 454.
spp., notes, (40) 53, 155.
spp. on cacao, (34) 541.
spp. on eacao and rubber, (37) 349.
spp. on limes and citrus trees, (37) 452.
spp. on tea, (37) 52; (38) 354; (40) 53.
Rosemary flowers, betains in, (27) 204.
Rosaceae, after-ripening of, (29) 134.
                  se—
aphid, studies, (31) 250.
aphids, descriptions, (32) 848.
apples, host plant of fruit fly, (26) 758.
beetle, Fuller's, notes, (32) 856.
beetle in Samoan Islands, (33) 158.
beetle, Japanese, in Hawaii, (34) 59.
                       black spot-
                                              description and treatment, (29) 552.
                    description and treatment, (investigations, (33) 347. notes, (28) 449. treatment, (34) 157. buds, malformation, (34) 143. canker, brown, studies, (40) 544. canker, studies, (39) 858.
                                                                                                                                                                                                                                                                                                                                            Roses
                                                                                                                                                                                                                                                                                                                                                                    American, annual, (35) 345.
American Beauty, culture experiments, (32)
                                                                                                                                                                                                                                                                                                                                                                 535.
and rose gardens, treatise, (28) 841.
annual, (37) 145; (38) 44; (38) 244.
as affected by turring roads, (26) 432.
as host of red spider, (32) 157.
black spot of, notes, (31) 746.
breeding experiments, (39) 346.
catalogue, (28) 841; (31) 536.
coloring matter of, (34) 709.
cultivated, history, (35) 450.
culture, (34) 439; (35) 840; (36) 535; (37) 346, 836.
culture experiments, (28) 342; (29) 235; (34) 44; (35) 240.
               canker, studies, (39) 858.
chafer—
notes, (26) 753; (28) 752; (34) 158; (35) 260,
646; (36) 854.
polsoning of chickens by, (34) 655; (35) 489.
poisonous character, (35) 279; (36) 281.
remedies, (26) 864; (30) 852; (38) 358.
western, notes, (33) 746.
crown canker, studies, (38) 854.
crown gall, notes, (29) 547.
curculio, notes, (32) 651.
diseases—
in Pernambuco, (39) 152.
notes, (31) 844; (33) 854.
studies, (37) 353; (38) 553; (40) 159, 751.
flea-betle, life history and habits, (36) 859.
foliage, spray injury, (40) 161.
geranium, culture in Algeria, (29) 149.
leaf blotch, notes, (30) 537.
leaf diseases, treatment, (27) 746; (32) 49; (36) 453.
leaf diseases, treatment, (34) 747.
leaf mildow, treatment, (34) 747.
leaf mildow, treatment, (34) 747.
leaf mildow, treatment, (34) 442.
leafhopper—
as a fruit pest. (32) 651.
                       chafer-
                                                                                                                                                                                                                                                                                                                                                                  culture experiments, (28) 342; (29) 235; (34) 44; (35) 240. (20) 240; (20) 237; (33) 644; (35) 647. factors determining color in, (28) 639. fertilizer experiments, (26) 739; (29) 840; (34) 45, 143; (37) 449; (40) 741. for Maine, (35) 840. greenhouse, red spider on, (39) 65. handbook, (27) 242; (40) 342. hardy yellow, from China, (34) 45. history and botanical relationships, (86) 446. Hungarian perfume, oil content, (28) 439. individuality in, (31) 443. inoculation experiments with brown rot fungus (33) 247.
                                                                                                                                                                                                                                                                                                                                         incoulation experiments with brown rot fungus
(33) 247.
isolation of fat from, (29) 459.
liming experiments, (30) 344.
mechanical spotting of, (31) 641.
new, descriptions, (30) 534; (33) 337, 644.
nomenclature, (39) 833.
of Denmark, (35) 745.
overhead irrigation in greenhouses, (26) 740.
potalody of sepal in, (34) 143.
rate of growth, (34) 143.
records of flowering sequence, (39) 546.
red, development, (29) 642.
solls for, (34) 144.
testing garden at—
Arlington Experimental Farm, (34) 345.
Cornell University, (34) 345.
treatise, (26) 842; (27) 146; (28) 238; (31) 143;[(32) 330; (34) 45; (36) 242.
Rosewood—
of southern India, notes, (34) 240.
                    leaf mildew, treatment, (34) 442.
leafhopper—
as a fruit pest, (32) 651.
as an apple pest, (39) 61.
in Nova Scotin, (38) 186.
notes, (28) 187, 854; (30) 857.
studies, (39) 61.
leaves, anthocyanin formation in, (33) 523. 'midge in Ontario, (40) 653.
midge, notes, (28) 854; (38) 155, 358.
                    mildew—inoculation experiments, (33) 647.
notes, (31) 746; (37) 453, 839; (40) 53.
studies, (26) 450; (38) 347, 447.
treatment, (34) 50, 157, 750.
Oldium, treatment, (27) 855.
pests and their control, (35) 499.
powdery mildew, notes, (30) 537.
rust, notes, (26) 52.
scale, life history and habits, (33) 557.
scale, notes, (26) 147; (28) 854; (29) 251.
slug caterpillar, notes, (20) 855.
solls, temperature and moisture studies, (32) 535.
stock, penetration of scion, (39) 143.
                                                                                                                                                                                                                                                                                                                                                                     of southern India, notes, (34) 24J.
                                                                                                                                                                                                                                                                                                                                              studies, (30) 347.

Roseworthy Agricultural College in South Australia, (31) 500.
                                                                                                                                                                                                                                                                                                                                              Rosha grass, economic uses, (35) 807.
                                                                                                                                                                                                                                                                                                                                Rosi
                                                                                                                                                                                                                                                                                                                                            Rosi:
extraction from wood, (34) 412; (36) 207.
from Boswellia sorrata, (40) 248,
grading at the still, (27) 716.
industry in United States, (30) 744, 791.
oil, detection, (28) 412; (37) 13.
oil, fluorescent test for, (26) 114.
oil from waste resinous woods, (28) 512.
testing and analysis, (40) 804.
yield from double chipping, (38) 46.
Rosins of western pines, (28) 512.
Rosmerinus officinalis, oil of, (36) 803.
Rosoile acid test for milk, (38) 115.
Rostrella coffese on pimento, (39) 849.
Rosy hispa, notes, (28) 157.
                         stock, penetration of scion, (39) 143.
Tetonkaha, description, (30) 640.
thrips, remedies, (34) 161.
tree crown gall, notes, (34) 442.
                         as companion crop for rubber, (32) 742.
as companion crop for rubber, (32) culture and use, (27) 40.
description and analyses, (29) 161.
mildew, notes, (27) 40.
new varieties, (31) 535.
notes, (29) 586.
recipes, (32) 64, 560.
seed, analyses, (31) 366.
Tubercularia sp. on, (39) 453.
Rosellinia—
                                                                                                                                                                                                                                                                                                                                                                     ation—
experiments, (26) 43, 131, 233, 534; (27) 136, 334, 342, 430, 436, 831, 833; (28) 231, 338; (29) 31, 36, 137, 222, 227, 632, 728; (30) 124, 731, 829; (32) 321, 332, 430, 528, 630; (33) 212, 213, 214, 226, 429, 527, 728, 828, 829, 830; (34) 723; (35) 536.
experiments—
in Madria
                       sellinia—
bothrina attacking camphor, (33) 545.
bothrina, notes, (40) 48.
bothrina, notes, (20) 48.
bundes, notes, (28) 149; (32) 646; (35) 50; (37) 652.
bundes on hibiscus, (34) 841.
disease of cacao, (33) 448.
in Indiana, (36) 542.
necatrix, notes, (40) 749.
necatrix on apple and gooseberry, (34) 49.
on coffee, (32) 645; (38) 849.
pepo, notes, (37) 452.
pepo or R. bunodes on limes, (34) 545.
                                                                                                                                                                                                                                                                                                                                                Rotation-
                                                                                                                                                                                                                                                                                                                                                                                              erinens—
in Madras, (33) 131.
in southwest Missouri, (33) 33.
in western Nebraska, (32) 223.
on peaty soils, (33) 227.
```

Rotation—Continued.	Royena pallens, analyses and digestibility, (27)
6 crops, (29) 736, 830; (30) 820, 821; (31) 226, 430, 828, 829; (32) 182, 529, 530; (34) 337; (35) 122, 438; (36) 528, 623, 734, 829; (37) 30, 33, 226, 227, 229, 230, 329, 532, 731, 826; (38) 217, 430, 431, 433, 630, 816, 825; (39) 130, 227, 334, 335, 336, 436, 530, 531, 639, 725, 737, 813, 815, 834; (40) 229, 331, 419, 430, 431, 589, 622, 623, 733, 734, 829.	871; (32) 167. Rubber—
(36) 528, 623, 734, 829; (37) 30, 33, 226, 227, 229,	analyses, (29) 241.
230, 329, 532, 731, 826; (38) 217, 430, 431, 433, 630,	and latex as affected by tapping and pollarding,
531, 639, 725, 737, 813, 815, 834; (40) 229, 331, 419	(39) 848. animal pests of, (35) 544; (36) 754.
430, 431, 589, 622, 623, 733, 734, 829.	as affected by intervals between tapping, (26)
or crops—	444.
effect on protein content of wheat, (39) 742.	balata, monograph, (31) 444. bark beetles affecting, (27) 458; (30) 660.
effect on soils, (28) 120. for dark tobacco soils, (32) 137.	bark cankers, notes, (39) 152, 459.
dry farming, (33) 632.	bark diseases, relation to bark scraping, (35)
northern Wisconsin, (28) 40.	459. belts, care and repair. (30) 89.
Tennessee, (26) 415, 423. the corn helt, (27) 531.	belts, care and repair, (30) 89. bibliography of recent literature, (39) 51.
tohacco wilt control, (40) 243.	Diack thread disease, (36) 449; (38) 351, 547; (39)
upper Wisconsin, (35) 229.	357; (40) 48, 54. borer pests of, (33) 657.
in dairy farming, (40) 375. dry farming, (39) 131.	brown bast, studies, (39) 460.
eastern Olegon, (32) 730.	hiiddirg (40) 46 448
New Hampshire, (33) 791.	canker, notes, (40) 448, 852. canker, notes and treatment, (29) 351.
the East, (27) 639.	canker, studies, (37) 458; (38) 554, 854.
the South, (29) 330. new basis for, (29) 516.	Castilla—
notes, (27) 734.	culture and preparation, (27) 347.
principles of, (26) 631.	culture experiments, (29) 642. culture in Dominica, (29) 748.
relation to fertility, (39, 424. relation to plant diseases, (26) 844.	ierthizer experiments, (27) 645.
relation to plant food, (27) 821.	tapping experiments, (27) 844; (31) 638; (34) 438; (35) 544.
sheep pasture and manurial value of feeds	Ceara—
in, (39) 530.	blooming habit and seed production, (28)
textbook, (33) 429. treatise, (29) 139.	744.
under irrigation, (36) 131, 132; (39) 130. use of fertilizers in, (31) 320. with sugar beets, (28) 336.	culture experiments, (34) 152. culture in Southern India, (35) 544.
use of fertilizers in. (31) 320.	tapping experiments, (29) 241.
plats, cake and corn feeding on, (40) 824.	chemistry, monograph, (30) 313.
systems, relation to insect injuries, (27) 554.	coagulants, (37) 348, 416. coagulating and smoking, (26) 443.
Rothamsted—	coagulation, (35) 544. composition and quality, (26) 745.
Experimental Station—	composition and quality, (26) 745,
review of work, (29) 226.	congress, international, proceedings, (27) 244 culture, (26) 843.
experiments, treatise, (40) 514.	
report, (26) 692; (30) 599; (31) 196. review of work, (29) 226. experiments, treatise, (40) 514. Library, notes, (40) 500. memoirs on agricultural science, (32) 120.	and industry, papers on .(34) 838. and preparation, (38) 447. and preparation, handbook, (27) 647. experiments, (27) 244, 438; (29) 747; (31) 637; (32) 742; (35) 840; (37) 144; (38) 845; (40) 339.
Station in war time, (40) 101.	and preparation, handbook, (27) 647.
	experiments, (27) 244, 438; (29) 747; (31) 637;
Rotifers, sex control in, (34) 766. Rottboellin spp., notes, (26) 362. Roughage, utilization, (27) 899.	(32) 742; (35) 840; (37) 144; (38) 84h; (40) 339.
Roughage, utilization, (27) 899. Roughage, valuation, (32) 666.	in Brazil. (33) 50.
Roughages for fattening steers in the South, (40) 665.	British Guiana, (29) 644.
Davadwawa	handbook, (20) 50. in Brazil, (33) 50. British Guiana, (29) 644. Dominica, (34) 438. Dutch East Indies, (30) 697.
in poultry, (35) 385. in sheep, (37) 277. parastic in pigs, (28) 285. protection against digestive enzyms, (33) 478.	Federated Malay States, (27) 647.
in sheep, (37) 277.	German Colonies, (35) 544.
protection against digestive enzyms, (33) 478.	Guiana, (31) 391. India, (28) 736.
suckered, from India and Ceylon, (32) 474.	Middle Kongo, (33) 646.
Roup-	Nyasaland, (26) 829.
chromogenic bacillus from, (40) 483.	Philippines, (38) 349. Singapore, (33) 646.
eye, contagious, (39) 791. immunization, (30) 785.	Trinidad and Tobago, (29) 644, (38) 549.
in fowls, ctiology, (38) 839, 890. in fowls, studies, (35) 283.	treatise, (29) 644. use of dynamite in, (34) 47; (35) 582.
in fowls, studies, (35) 283.	depolymerisation and conversion, (29) 149.
notes, (32) 585; (36) 498. paper on, (38) 179.	determination (29) 408.
pathology, (26) 889; (27) 576.	determination in later, (31) 444; (38) 508, 544. die-back in Sumatra, (36) 852.
relation to epithelionia contagiosum, (au) ass.	die-back in Sumatra, (36) 852.
secondary invader, (34) 481. vaccination, (39) 792.	die-back, notes, (26) 451. disease, notes, (30) 47.
Rowen, digestion coefficients, (39) 171.	diseases-
Rowing crews, training, (30) 465.	and injuries in Java, (35) 251.
Agricultural, Horticultural, and Forestry High	and pests, (38) 447, 847. in Ceylon, (33) 545; (35) 544.
School at Wageningen, Netherlands, (34) 898.	Dutch East Indies, (31) 540.
Botanic Gardens in Peradeniya, history, (34)	Federated Malay States, (32) 549.
741.	Malaya, (33) 150, 151. Uganda -(35) 45.
Commission on— Agriculture, report, (31) 490; (32) 593.	notes, (28) 148, 241, 443; (29) 749; (34) 57, 442, 540, 849; (36) 746; (37) 252, 349; (38) 52, 53.
Industrial Training and Technical Educa-	540, 849; (36) 746; (37) 252, 349; (38) 52, 53,
tion, (31) 596,	759, 854; (39) 146, 452, 453, 752; (40) 155, 249, 253, 349, 845.
Entomological Station of Hungary, (31) 848. Horticultural Exhibition in 1912, (31) 239.	traatmant (25) 459
	districts, maintenance of health in, (27) 244. dry raw, injury by chromogenic organisms in
Veterinary College, report, (32) 271. Veterinary High School at Berlin, report, (26)	transit, (38) 759.
373.	extraction of serum from, (27) 648.

Tubben Continued	Bubban Continued
Rubber—Continued. fertilizer experiments. (29) 748, 843; (30) 622;	Rubber—Continued. Para—Continued.
fertilizer experiments, (29) 748, 843; (30) 622; (31) 421, 414; (32) 330, 743; (33) 50, 738; (34) 48,	increase in tree girth, (39) 751.
838; (35) 241; (36) 141; (39) 647, 847. field experiments, rehability, (40) 46.	investigations, (30) 447. latex flow, (30) 647.
from Eucommia ulmoides, (37) 417.	latex vessels in, (37) 147. leaf diseases of, (26) 451; (36) 846.
from Eucommia ulmoides, (37) 417. Euphorbia lorifolia, (28) 49.	leaf diseases of, (26) 451; (36) 846.
Indian hemp, (30) 614. osago orange, (29) 546.	Lorenthus sp. affecting, (20) 345. natural accelerator, (37) 512. natural coagulation in latex, (29) 149.
fungus disease affecting, (26) 853.	natural coagulation in latex, (29) 149.
fungus disease affecting, (26) 853. green manure crops for, (34) 344.	microgenous constituents, (30) 110.
green manuring experiments, (30) 711.	nodules in cortex, (39) 131. oil of, (37) 109
guayule, production, (39) 246. guayule, shruh, (27) 244. handbook, (33) 50; (40) 46.	plantings in Kongo, (26) 50. preparation, (28) 645.
handbook, (33) 50; (40) 46.	nuctula formation on (30) 544
hydrometer experiments, (39) 647. industrial use of, (26) 844.	reagent, discovery, (27) 244.
industry—	reproduction in, (34) 639.
chemicals in, (38) 715.	reagent, discovery, (27) 244. reproduction in, (34) 639. root disease of, (35) 551. root diseases affecting, (28) 153.
evolution, (26) 843. in Africa, treatise, (26) 339.	seed cake, analyses and digestionity, (30)
Bolivia, monograph, (27) 148.	506. seed selection, (36) 843; (37) 837.
Brazil, (31) 444.	seed utilization, (39) 417.
Ceylon, the Straits Settlements, and Dell, (31) 241: Kaiser Wilhelm Land, (26) 745 Various countries, (27) 244.	
Kaiser Wilhelm Land, (26) 745	tapping during Winter, (37) 838.
various countries, (27) 244.	442; (28) 147, 239, 440; (29) 240; (30) 535; (34)
of the Amazon, treatise, (35) 544. of the East, (33) 543. treatise, (37) 347.	seeding at dillerent altitudes, (36) 345. tapping during winter, (37) 838. tapping evperiments, (26) 444; (27) 244, 347, 442; (28) 147, 239, 440; (28) 240; (30) 535; (34) 47, 346, 537; (36) 45, 243; (38) 45, 46, 544; (39) 751.
treatise, (37) 347.	tapping experiments, probable error in, (38)
inner qualities, factors affecting, (37) 347.	544.
insects affecting, (26) 553; (27) 53; (28) 353; (30) 546, 753, 851; (33) 153; (34) 652, 851; (35) 463; (39) 453, 556; (40) 280.	thinning experiments, (38) 247.
(39) 453, 556; (40) 260.	treatise, (27) 542. variability of, (26) 141.
Kickxia and Manihot, use, (27) 245. Kickxia, crickets affecting, (30) 752.	pea disease affecting, (28) 652.
latex—	pink disease—
as affected by lime content of dilution water, (39) 451.	host plants of, (35) 154. notes, (32) 54; (38) 456.
Water, (39) 451.	notes, (32) 54; (38) 456. studies, (34) 448.
centrifugalization, (27) 244. content and specific gravity, (38) 146. natural coagulation, (37) 806. physiology of, (31) 128. rings, studies, (40) 448.	treatment, (30) 845. plant, new, in Mexico, (28) 744.
natural coagulation, (37) 806.	plantation—
rings, studies, (40) 448.	of Ceylon, (37) 347.
sugar as coagulant for, (40) 641.	preparation, (27) 244; (35) 544.
leaf disease—	report, (40) 45. spottings and discolorations on, (32) 347.
description and treatment, (26) 651. investigations, (38) 153, 356. notes, (29) 250; (37) 838; (39) 653.	use, (27) 245.
notes, (29) 250; (37) 838; (39) 653.	plantations, starting, (29) 747. planters, literature and labor for, (27) 244.
leaf fall, control, (39) 459, 759.	plants, enemies of, (30) 851.
leaf fall disease, investigations, (38) 153, 456, 554. leaf-latex relations, (40) 153.	plants of Italian Somaliland, (34) 152.
Manihot, culture in East Africa, (30) 239.	preparation, (40) 46. preservation, (27) 244.
Manihot, treatise, (30) 146. manuring, (27) 244.	products, examination, (31) 658. properties, (38) 146.
manuring experiments, (40) 448.	projective function of laticiferous system, (40)
methods of analysis, (27) 205.	519.
monograph, (32) 339. new beetle affecting, (26) 151.	quality as affected by tapping system, (38) 146. quality in relation to age of trees, (37) 651. raw, adaptation, (27) 245. raw, testing, (27) 244.
new Phytophthora parasite, (40) 845, 852.	raw, adaptation, (27) 245.
nitrogen content, (39) 315. of Kongo forests, (28) 50.	raw, testing, (27) 244.
papers on, (35) 544.	red specks, cause, (28) 552. renewed bark of different ages, yields, (40) 449.
Para	root disease—
anatomy, (27) 44. bacterial disease affecting, (29) 51. black thread disease, (37) 757. canker of, (32) 242.	host plants of, (28) 350. notes, (33) 741; (37) 458, 839.
black thread disease, (37) 757.	studies, (27) 854.
	root diseases, control, (39) 152.
coagulation of latex, (35) 132; (38) 331, 715. cortex nodules, (37) 727.	root diseases, control, (39) 152. root diseases, notes, (29) 547. root rot, brown, (39) 153.
cortex nodules, (37) 727. cortex structure in relation to yield, (39) 848.	root rot, notes, (31) 242.
cost of production, (27) 442.	samples, moisture content, (39) 416.
cost of production, (27) 442. culture, (27) 244; (38) 542; (39) 246.	seed-
culture— and use, (27) 43.	cake for cattle and sheep, (31) 766.
in Trinidad, (34) 47. in Uganda, (35) 544.	oil, utilization, (26) 746. selection, (40) 153. vitality, (26) 843. shares, factors affecting valuation, (27) 245.
in Uganda, (35) 544.	Vitality, (26) 843.
in Uganda, treatise, (30) 741. diseases, (27) 244; (30) 248, 453, 850.	sing, notes, (26) 353.
fertilizer experiments, (26) 339; (31) 444;	slug, notes, (26) 853. solis in Fiji, (87) 838.
(35) 842. food storage and rest period in. (34) 240.	SOUS, reculisities of, (28) 422.
food storage and rest period in, (34) 240. forms of, (28) 744.	spot disease, studies, (40) 546. spotting due to fungi, (35) 544. spotting, notes, (30) 152.
fruit rot of, (31) 56. fungus diseases of, (33) 449.	spotting, notes, (30) 152.
girth increment, (36) 447.	spotting, studies, (29) 451, stem disease, notes, (37) 453.
girth increment, (36) 447. handbook, (28) 246.	stumps as disease carriers, (27) 451.
in Cochin China, (31) 342.	tapping, (29) 748; (39) 357.

Rubber-Continued,	Run-off—Continued.
tapping-	computing, (33) 775.
	computing, (33) 775. determination, (31) 381; (34) 590.
by electricity, (28) 146.	estimating, (30) 288, 886.
experiments, (26) 443; (27) 44; (29) 240, 644.	in eastern United States, (38) 717.
and storage of plant food in, (33) 543. by electricity, (28) 146. ovperiments, (26) 443; (27) 44; (29) 240, 644, 843; (30) 555, 646; (31) 241, 342; (32) 742; (33) 536, 542, 543, 646; (34) 47; (35) 451, 544, 649; (37) 147, 347; (39) 51, 451, 751, 848; (40) 843.	maximum, determination, (35) 684.
(33) 536, 542, 543, 646; (34) 47; (35) 451,	tables for estimating, (27) 385.
544, 649; (37) 147, 347; (39) 51, 451, 751,	Ruppia maritima, culture for wild ducks, (33) 251.
848; (40) 843.	Rural—see also Community and Country.
experiments, probable error in, (37) 837. wounds, cicatrization, (37) 548.	administration in France, (40) 891.
wounds, cicatrization, (37) 548.	and increantile economics, (40) 388.
termites affecting, (30) 250.	and urban populations, comparative birth rate,
tests, (27) 245.	(38) 191
thrips, notes, (39) 360.	attitudes, theory of, (37, 491.
trade, statistics, (27) 245.	banking conditions in Illinois, (31) 788.
treatise, (30) 146, 347, 646; (31) 143, 144; (33)	banking system in Virginia, (29) 91.
343.	children, survey in North Carolina, (40) 892.
trees—	civilization, ideal. (35) 891.
anatomical studies, (29) 842.	classes in Russia, evolution of, (30) 192.
and reserves of the Amazon, (27) 244.	clubs in Wisconsin, (36) 192.
nodules on, (30) 850.	communities—
of Costa Rica, (27) 147.	bibliography, (32) 389.
variability, studies, (40) 546.	central electric station for, (30) 788.
varieties, (27) 438.	decline of, (26) 593
varieules in West Airica, (27) 244.	eugenics in, (40) 193.
vines of Africa, (27) 244.	evolution, treatise, (28) 687.
VISCOSITY, (27) 244; (39) 752.	neat, light, and power for, (28) 487.
vuicanization, (27) 244.	improvement, (27) 898.
water content, (39) 806.	III WISCONSIN, (52) 593.
variability, studies, (40) 546. variability, studies, (40) 546. varieties (27) 438. varieties in West Africa, (27) 244. vines of Africa, (27) 244. viscosity, (27) 244; (39) 752. vulcanization, (27) 244. water content, (39) 806. wild, adulteration, (27) 244. wild lettuce, composition, (29) 241. vielding—	heat, light, and power for, (28) 487. improvement, (27) 898. in Wisconsin, (32) 593. organization, (33) 292. organization in Kansas, (34) 689. play and athletics for, (30) 496. organization (26) 604.
wild lettuce, composition, (29) 241.	organization in Kansas, (34) 689.
	play and atmetics for, (30) 496.
species of northern Madagascar, (28) 239.	problems of, (26) 594. recreational and social needs, (33) 190.
species, paper ou, (20) 846.	recreational and social needs, (33) 190.
species, paper on, (26) 843. species, treatise, (34) 838. trees in Malay States, (36) 540.	social survey of, (26) 687; (31) 294. syllabus for study, (32) 592.
Trebicass III Maisy States, (30) 540.	symmus for study, (52) 592.
Rubiaceae—	community—
bacterial symbiosis, (32) 327.	betterment work, (31) 499.
nitrogen-fixing bacteria in leaves, (27) 225.	center, plan for, (30) 496.
Rubidium—	interests, unifying, (32) 488.
alum, fertilizing value, (30) 627.	mobilizing, (40) 486. model, at Ghent Exposition, (30) 301.
chlorid, fertilizing value, (30) 627.	planning, (32) 10.
determination in plant ash, (38) 412. effect on Aspergillus niger, (28) 527; (30) 630.	conditions—
in plants (38) 400	improvement, (29) 691; (31) 895; (32) 388
in plants, (38) 409. in soils, (31) 720.	592.
salts, effect on saccharification of starch, (26)	
309.	in Alabama, (37) 91. Canada, (38) 791.
sulphate, effect on plants, (28) 527.	Great Britain, manual, (30) 491.
Rubus-	United States, betterment, (30) 305.
forcing experiments, (38) 443.	continuation school for boys and girls, (27) 695
hybridization in (31) 47; (35) 227.	cooperative laundry, (35) 191.
occidentalis, inoculation experiments with	credit-see also Agricultural credit.
occidentalis, inoculation experiments with brown rot fungus, (33) 247.	banks in England and Wales, (27) 592.
orange rusts, (37) 457; (38) 454.	banks in Uruguay, (27) 795.
orange rusts, (37) 457; (38) 454. pollen sterility in, (37) 131.	decline in New England, (37) 593.
spectabilis, hybridization experiments, (28) 436.	demonstration schools, paper on, (33) 194.
spp. as a medicinal plant, (30) 145.	depopulation—
Rudbeckia hirta—	cause, (26) 592; (31) 294.
inheritance of variations in, (36) 522.	cause and prevention, (30) 492.
inheritance studies, (40) 131.	correcting, (29) 898.
variation in, (27) 741; (32) 726.	in Canada, (26) 896.
Rudbeckias, varieties at Wisley, (33) 536.	England, (31) 490.
variation in, (27) 741; (32) 726. Rudbeckias, varieties at Wisley, (33) 536. Rue, goats', culture experiments, (30) 632.	in Canada, (26) 896. England, (31) 490. England and Wales, (31) 295; (32) 390.
Ruius scale, notes, (27) 357.	Franco, (26) 387; (30) 91, 895.
Rum—	France, (26) 387; (30) 91, 895. Germany, (26) 490. Great Britain, (30) 791.
distillation, (35) 718.	Great Britain, (30) 791.
Jamaica, fermentations in, (26) 613.	Illinois, (30) 895. Mexico, (26) 594.
judging, (26) 209.	Mexico, (20) 394.
notes, (26) 613.	Michigan, (31) 595. Minnesots, (29) 490. Nebraska, (26) 593. Ohio, (26) 489.
Rumex—	Minnesota, (29) 490.
acetosella, description and eradication, (37) 239. acetosella, growth in alkaline media, (40) 40.	Obje (98) 480
acetosella, growth in alkaline media, (40) 40.	courthorn Optorio (98) 688
spp., dissemination by farm animals, (28) 839.	southern Ontario, (28) 688. various countries, (31) 592.
Ruminant, fossil, from Rock Creek, Texas, (34) 264.	notes. (20) 101: (20) 205
Ruminants—	nanar on (27) 890
anatomy and histology of third stomach, (28) 271.	notes, (29) 101; (30) 895. paper on, (27) 690. treatise, (33) 91.
	development—
anatomy of stomach, (27) 68.	in Burma, handbook, (31) 391.
digestion in, (26) 469. direct transfer of food and drink of, (29) 66.	in Canada, (40) 790.
resorption in stomachs of (27) 571.	treatise, (28) 790.
resorption in stomachs of, (27) 571. respiration and assimilation in, (31) 71.	districts—
respiration experiments, (32) 767.	cottage building in, (33) 490.
respiration experiments, (32) 767. stomachs, protozoa in, (30) 577. Rumination, investigations, (26) 469.	electricity for, (32) 885.
Rumination, investigations, (26) 469.	housing in, (33) 893.
Run-off—	of Spain, characteristics, (39) 690.
and evaporation, relation to precipitation, (40)	economic and social reforms, (40) 789.
810.	economics—
as affected by forests, (27) 348; (30) 620.	and sociology, bibliography, (28) 492.

Rural-Continued.	Rural—Continued.
economics—continued, at International Congress of Agriculture,	interests, organization, (31) 388. labor, see Agricultural labor.
(30) 490, 591.	leaders, truining, (32) 285. leadership, development, (37) 593.
bibliography, (32) 194	leadership, development, (37) 593.
bibliography, (32) 194 course in, (26) 387. field of, (32) 105.	libraries, notes, (30) 496. life—
in Doubley Dectan, treatise, (25) 001.	and education, progress in, (37) 393.
experiment station work, (32) 701.	and education, treatise, (31) 193, hibliography, (30) 197, 496; (31) 598, 692.
Minnesota, (33) 786. New England in 19th century, (35) 588.	bibliography, (30) 197, 496; (31) 598, 692, clubs, suggestions for, (31) 793.
Spain, (28) 89.	life conference — at Ontario Agricultural College, (33) 295.
instruction in, (27) 797; (28) 91. manual, (29) 894; (30) 795.	at University of Virginia, (28) 790; (32) 388.
new views concerning, (28) 292. outline for study, (30) 795; (33) 598.	in Pennsylvania, (26) 797. in Vermont, (29) 197; (30) 695.
papers on, (27) 690.	proceedings, (36) 688.
problems in, (28) 790.	life —
relation to farm management, (26) 10. relation to production and distribution of	conveniences and enjoyments, book, (27 690.
wealth, (28) 88.	education for, (26) 691.
research work in, (29) 694. scope of, (35) 496.	in Canada, manual, (30) 491. Great Britain, treatise, (26) 489.
selected readings on, (35) 88.	Japan, (35) 589.
studies, (30) 591. textbook, (38) 196.	Litchfield Co., Connecticut, (38) 191. United Kingdom, treatise, (30) 791.
trantica (20) 02: (28) 01: (21) 804: (26) 200	organization in, (27) 486; (35) 190. survey in Ohio, (32) 388.
use of statistics in, (28) 88. woman's place in, (29) 898.	survey in Onio, (32) 388, textbook, (27) 808
year book, (28) 795.	textbook, (27) 898. treatise, (40) 292, 387, 485, 889.
as factors in success of the church, (29) 594.	market conditions in New York, (37) 790. migration—
in war time, statistics, (39) 658.	causes, (37) 390.
education—	in United States, (34) 193; (35) 294.
activities in, (30) 496. associations in Saskatchewan, (37) 394.	psychic causes of, (35) 391, 392. moral life in middle West, (33) 787.
conference at Worcester, Massachusetts,	neighborhoods, social centers in, (26) 488.
(37) 892. Conference, report, (26) 491; (29) 296, 297.	New York, juvenile delinquency in, (40) 390. nursing service of American Red Cross, (30) 793.
conformancin Ontorio (20) 605	organization —
economic factors in. (36) 592.	discussion, (35) 408. in Ohio, (34) 895.
discussion, (28) 790. economic factors in, (36) 592. improvement, (34) 897. in Cook County, Illinois, (35) 894. in Thirtad States (38) 48768	discussion, (35) 408. in Ohio, (34) 895. in Porto Rico, (40) 890. in Tennessee, (34) 895.
in Cook County, Illinois, (35) 894. in United States, (36) 798.	n Tennessee, (34) 895. work of, (32) 488.
papers on. (32) 689.	organizations of women, (40) 93.
principles and methods, (26) 491. problems, discussion, (38) 191.	people, responsibility of, (32) 14. population—see also Agricultural population.
treatise, (34) 292.	changes in, (26) 593. in England and Wales, (31) 295, 691.
electric service in Wisconsin, (37) 189. engineering—	in England and Wales, (31) 295, 691.
as affected by European war, (36) 86.	Finland, (30) 692. France, (38) 494.
at International Congress of Agriculture,	Germany, standard of living, (26) 157,
(31) 185. station in Tunis, (31) 587.	358. Roumania, (33) 695.
station in Tunis, (31) 587. extension schools in Ireland, (37) 294.	United States, (27) 489; (30) 893; (32) 190, 689; (36) 591.
fire control, (39) 594. homes—	United States, mortality statistics, (33)
beautifying, (36) 143.	594.
betterment, (30) 462. conveniences for, (35) 794.	shifting of, (33) 190. problems—
cooling, (32) 592. electricity for, (31) 591; (34) 488. heating, (30) 789. improvements for, cost, (31) 291. lighting and heating, (36) 491.	discussion, (26) 92.
heating, (30) 789.	importance of, (30) 490. in England, (40) 387, 687. in New York, treatise, (30) 491; (32) 891. in United States, (30) 390.
improvements for, cost, (31) 291.	in New York, treatise, (30) 491; (32) 891.
numbering, (37) 889.	notes, (20) 894.
numbering, (37) 889. planning, (29) 186.	of today, treatise, (39) 794.
problems of, (31) 393.	papers on, (27) 793. relation to elementary schools, (33) 896.
sanitary engineering for, (32) 87. sewage disposal for, (28) 86, 386, 487; (29) 194; (31) 786; (34) 88, 286, 790; (35) 691; (36)	Drogress-
194; (31) 786; (34) 88, 286, 790; (35) 691; (36) 591.	conference on, (34) 699. in Missouri, (36) 93.
shower bath for, (30) 294.	New England conference on, (28) 499.
treatise, (40) 486. ventilation, (30) 691.	reconstruction, see Reconstruction.
water power for, (26) 790.	relations of the little town, (40) 892. research, standardization, (40) 890.
water supply for, (28) 487; (30) 690; (34) 286, 790; (35) 587, 787; (36) 284.	sanitation—
nospital, cooperative, in Pennsylvania, (31) 294.	editorial on, (30) 701. in the Tropics, treatise, (37) 86.
housing question in England. (30) 894.	investigations, (40) 593.
housing, treatise, (34) 895. hygiene, treatise, (31) 93.	need for instruction in, (32) 190. notes, (30) 390; (34) 790; (37) 592, 695; (38)
improvement clubs, (31) 690.	459.
improvement in North Carolina, (32) 388. improvement, treatise, (32) 388.	schools, see Schools, rural. settlement in New South Wales, (26) 291.
improvement, treatise, (32) 388. indebtedness in United States, (29) 491. industries in Great Parising reviews most old to	ial-
industries in Great Britain, government aid to, (28) 595.	center work, nature study in, (31) 896. centers in Wisconsin, (30) 694.
industries, mosquito-malaria losses in, (33) 255.	development, discussion, (30) 297.

SUBJECT INDEX

Daniel Continued	Rusts-Continued.
Rural—Continued social—continued.	taxonomy, (33) 130.
problems, (33) 190,	transmission, (33) 445.
science, bibliography, (26) 297. survey, (40) 593, 896.	treatment, (27) 47. tropical grass or sedge, (40) 344.
surveys, (31) 891; (36) 288. surveys in lowa, (39) 90.	un ttached aecial forms in North America, (29)
surveys in lowa, (39) 90.	Ruta graveolens, oil of, (36) 803.
sociology— bibliography, (32) 194, 488.	Rutabagas, see Swedes.
hibliography, (32) 194, 488. instruction in, (38) 495.	Rutela lineola, notes, (30) 853. Rutelinae of British India, (40) 63.
outline for study, (30) 795. relation to agricultural education. (30) 897.	Rutgers College, notes, (26) 494; (29) 98; (31) 797;
relation to farmers' institutes, (32) 98.	(35) 309; (36) 695.
teaching, (37) 93, 794. treatise, (28) 595; (34) 790, (38) 89.	Rutherglen bug, notes, (35) 853. Rye—
survey—	Abruzzi, tests, (33) 831.
in Clarke County, Ga., with special refer-	amino acid in, (33) 665.
ence to negroes, (33) 694. Missouri, (27) 390.	amylase, studies, (31) 609. analyses, (27) 341; (29) 367; (31) 864; (32) 171;
Missouri, Morgan County, (35) 589. northeastern Minnesota, (33) 786.	(33) 734.
Oregon, Lane County, (36) 688.	and cowpeas mixture, digestibility, (38) 778. its milling products, composition, (30) 257.
southern Minnesota, (29) 489.	rape as hog pasture, (40) 771. vetch for forage, (33) 223.
southwestern Ohio, (32) 592.	vetch for forage, (33) 226. and wheat—
surveys— in Georgia, (38) 191, 192.	comparative yields, (40) 625.
in Iowa, (37) 592.	fertile hybrid of, (30) 341.
methods, (37) 592. treatise, (33) 593.	hybrid, description, (38) 735. hybrid, heredity in, (37) 432.
teachers-	as affected DV—
training, (32) 794; (33) 799.	aluminum, (40) 125. boron, (39) 429.
training centers for, (33) 194, 195. training schools, (39) 396.	cyanamic and dicyanodiamici, (40) 724.
training schools, (39) 396. welfare, treatise, (29) 190.	greenhouse temperature, (37) 533.
Rushes, wood, nematodes affecting, (30) 746. Russian Bureau of Agriculture, yearbook, (26) 692.	leaf injuries, (31) 224. removal of leaves, (30) 438.
Russian thistle, see Thistle.	smoke and flue dust, (26) 38.
Russula n.sp., description, (31) 127. Rust—	soil volume and available plant food, (31) 132.
epidemics, studies, (26) 142.	spacing in breeding plats, (30) 633.
franci	water level, (26) 620. as cover crop, (32) 332, 431; (34) 231; (39) 39.
culture experiments, (28) 242; (31) 540. lipses in, (35) 225. sexuality of, (33) 27. spore formation in, (28) 745. wintering in Bohemia, (28) 345. wintering in updo stage, (29) 346.	fall-sown cover crop, (39) 532.
sexuality of, (33) 27.	forage crop, (38) 827.
wintering in Bohemia, (28) 345.	green manure, (36) 534; (32) 132, 423; (35) 438, 828; (39) 31, 326.
	green manure for orchards, (40) 739. green manure on alkali land, (32) 36.
hetoroecism, origin, (20) 142. mite, notes, (31) 758; (34) 60. mite on citrus fruit, (39) 161.	green manure under dry-land conditions,
mite on citrus fruit, (39) 161.	(39) 131.
pomaceous, investigations, (32) 51. sori, internal, (36) 845.	hog pasture, (39) 777. meadow cover crop. (40) 137.
spores and mycelium in seeds of cereals, (33) 445.	meadow cover crop, (40) 137. substitute for wheat, (35) 838.
spores in interior of grass seeds, (30) 241.	
yellow, overwintering, (34) 51. Rustic borer, notes, (28) 653.	bran, analyses, (26) 210, 267, 363, 770; (27) 570,
Rustle borer, notes, (28) 653. Rustle moth, notes, (27) 552. Rusts—see also specific host plants.	availability of integer in, (2012). bacterial blight, notes, (35) 845. bran, analyses, (26) 210, 267, 363, 770; (27) 570, 774; (29) 367, 666; (31) 467; (32) 667; (33) 568; (34) 263, 665; (35) 867; (36) 167; (37) 471; (39) 270; (40) 665.
as affected by cold, (27) 45.	270; (40) 665.
bibliography, (30) 350. classification, (33) 245.	Dian, digestime national, (20) 2.2.
classification, (33) 245. culture experiments, (28) 51; (30) 47.	bread— analyses, (33) 865.
offect on assimilation and respiration in leaves,	analyses, (33) 865. composition and nutritive value, (34) 760.
(30) 453. effect on transpiration of hosts, (39) 26.	digestibility, (29) 565. Finnish, nutritive value, (30) 557.
endophyllum-like, of Porto Rico, (37) 552.	making experiments, (30) 404.
from New Mexico, (39) 147.	notes, (27) 765. recipes, (37) 364.
heteroecious, culture experiments, (36) 245. in Great Britain, treatise, (30) 745.	use of potato flour in, (26) 156.
India, (31) 145.	breeding— (30) 525. breeding—
Indiana, (39) 549. Nova Scotia, (30) 350.	and improvement in Sweden, (39) 833.
Untohi /26) 945	and selection, (31) 829. experiments, (33) 134; (37) 827; (39) 126; (40)
infection experiments, (28) 149, 841; (33) 847. inoculation experiments, (26) 645; (32) 750; (35)	
650.	bushel weights, (37) 889. by-products, analyses, (27) 670; (28) 265; (38)
nomenclature, (32) 341. of Australia, (38) 350.	67.
of North America with eacontaine sort, (61)	by-products, judging, (31) 809.
539.	cold resistance of, (30)524. composition as affected by—
of Scotland, (33) 145. parasitism, (38) 448.	fertilization and soil preparation, (34) 230.
physiological races of, (31) 140.	Fusarium, (30) 633. cooperative experiments, (27) 430.
prevention, (39) 52. propagation, (26) 844; (27) 746.	correlation in, (27) 435.
relation to meteorology, (21) 145	correlation in, (27) 435. cost of production, (29) 690; (32) 527; (34) 137; (35) 691.
spore formation in, (33) 145. spores, germination, (38) 224.	Critical Deriod of growing season, (30) off.
spore formation in, (35) 224. spores, germination, (38) 224. studies, (31) 343; (36) 542; (37) 749; (38) 645; (39)	crossing experiments, (34) 228. cultivated, origin, (32) 131.

```
Rye—Continued.
culture, (27) 32; (28) 43; (31) 35; (32) 132, 598,
(34) 694; (35) 33; (37) 736; (38) 33, 527; (39)
834.
                                                                                                                                                                                                                                                                                                                                                                      Rye-Continued.
                                                                                                                                                                                                                                                                                                                                                                                              e-Continued.
germination as affected by—
depth of planting, (36) 437.
fertilizers, (29) 327.
silver nitrate, (34) 31.
germination tests, (27) 341; (31) 733.
germination tests in hydrogen peroxid, (27) 201.
germinative ability and vegetative force, (29)
                            culture
                                                   continuous, (30) 424; (32) 533; (34) 138; (40)
                       120.
continuous, nitrogen accumulation in, (31)
318.
experiments, (26) 737; (27) 231, 232, 233, 336,
341, 539; (28) 431, 532; (29) 432, 735; (30)
33; (32) 132, 526, 525, 529, 539; (33) 31,
633; (34) 137, 138, 230; (36) 32, 532; (37)
436, 823; (38) 631, 832; (39) 124, 125, 126,
227, 735; (40) 333, 529, 735.
for chickon feed, (38) 827.
for silage, (26) 574.
for winter forage, (38) 735.
in cotton belt, (32) 533.
east Siberia, (32) 138.
eastern United States, (35) 832.
Indiana, (40) 735.
Michigan, (39) 320.
sand hills of Nebraska, (35) 827.
Southeastern States, (38) 341.
southern Idaho, (36) 227.
Texas, (29) 429; (35) 440; (40) 729.
Western Washington, (35) 696.
on moor soils, (30) 229; (39) 438; (40) 522.
on sandy soil, (34) 37.
on Wisconsin drift soil, (36) 623.
relation to rainfall, (33) 715.
under dry farming, (28) 533; (30) 435; (36)
528, 529; (37) 329.
under irrigation, (34) 528.
cytological studies, (26) 325.
dates of sowing, (27) 833.
diseases, notes, (35) 47.
diseases, treatment, (35) 652, 750.
distance experiments, (30) 732.
distillers' grains, digestibility, (29) 367.
distribution of nitrogen in, (38) 299.
"drunk bread" disease, studies, (35) 845; (36)
747.
effect on—
                                                     continuous, nitrogen accumulation in, (31)
                                                                                                                                                                                                                                                                                                                                                                                                 germs, analyses and feeding value, (29) 467. grades, (32) 138. grains, analyses, (27) 872.
                                                                                                                                                                                                                                                                                                                                                                                               grams, analyses, (21) 812.

analyses and culture, (31) 434.
as affected by tadtoactivity, (30) 224.
branching in heads, (37) 139.
breeding experiments, (26) 830.
composition and digestibility, (36) 469.
culture experiments, (28) 532; (29) 631; (30) 528; (33) 835; (38) 133; (40) 136.
culture in cotton belt, (32) 534.
culture in Uruguay, (26) 133.
English, breeding experiments and varieties, (39) 638.
English, digestibility, (32) 168.
fertilizer experiments, (26) 831; (31) 822.
for irrigated pastures, (49) 432.
frost injury to, studies, (38) 148.
growth on volcanic ash, (32) 36.
irrigation experiments, (32) 234.
grass, Italian—
composition as affected by irrigation, (28)
                                                                                                                                                                                                                                                                                                                                                                                                                            composition as affected by irrigation, (28) 332.
                                                                                                                                                                                                                                                                                                                                                                                                 332. culture experiments, (33) 33. culture in Philippines, (26) 361, 362. digestibility, (32) 168. irrigation experiments, (28) 130,1133. seeding on ranges, (29) 531; (30) 35. grass, on peat soils, (30) 428. grass, perennial—culture under irrigation, (33) 228_ for irrigated pastures, (39) 434. seeding on ranges, (30) 35. varieties, (30) 434. variety tests, (40) 232. grass—
                         effect on—
activity of soil fungi, (36) 215.
baking quality of wheat, (34) 558.
following crop, (30) 135, 623.
milk and butter, (34) 570.
miling quality of wheat, (29) 866.
soil moisture, (34) 17.
succeeding crop, (38) 337.
electroculture experiments, (27) 231.
ergot, notes, (39) 851.
                                                                                                                                                                                                                                                                                                                                                                                                   grass-
                                                                                                                                                                                                                                                                                                                                                                                                                            SS—pollination experiments, (37) 735.
radioactive fertilizer for, (31) 129.
seed, germination energy of, (29) 538.
seed industry in New Zealand, (32) 335.
sulphur as fertilizer for, (30) 139.
varieties, (35) 31; (38) 535.
                                                                                                                                                                                                                                                                                                                                                                                                   grass, western—
alkali tolerance, (40) 719.
breeding experiments, (32) 532.
culture experiments, (32) 431, 520; (30) 32.
seeding experiments, (32) 531.
                              in Maryland and vicinity, (36) 736.
increasing acroago, (39) 532.
feed, analyses, (26) 568, 605; (27) 170, 171; (29) 367; (30) 67; (31) 407; (32) 667; (36) 167, 268; (40) 571.
                                                                                                                                                                                                                                                                                                                                                                                                   grass—
wild, culture experiments, (33) 632.
yields, (30) 529.
grasses, palatability, (34) 865.
green, fertilizing value, (34) 129.
green manuring experiments, (37) 425; (39) 725.
ground, analyses, (27) 774; (29) 686; (34) 263;
(39) 167.
growing with legumes, (40) 822.
growth as affected by—
electricity, (28) 827; (30) 827.
fertilizer salts, (39) 329.
manganese, (30) 322.
meteorology, (29) 510.
sulphur, (34) 541.
growth—
                                                                                                                                                                                                                                                                                                                                                                                                    grass
                            (40) 671.
feed, description, (40) 72.
fertility and sterlity, (38) 236.
fertilitzer experiments, (26) 423, 424, 522, 818; (27)
125, 530, 531, 626; (28) 125, 221, 626, 723, 726,
734; (29) 126, 831, 631, 632, 821; (30) 125, 220,
335, 834; (31) 123, 137, 217, 328, 421, 529, 820;
(33) 219, 517; (34) 24, 327, 519, 622, 723, 820;
(36) 126, 322, 325, 326, 425, 426, 427, 520, 629;
(36) 217, 232, 325, 532; (37) 436, 823; (38) 132,
820; (39) 728; (40) 229.
                              flour—
analyses, (34) 67, 164.
and rye bread, (36) 159.
availability of nitrogen in, (27) 723.
baking tests, (32) 252.
composition, (33) 504.
methods of analysis, (30) 612.
standards for, (30) 612.
following aifalfa and feterita, (40) 432.
following millet, (40) 734.
foot discuse, nctes, (28) 51.
for summer silage, (29) 473.
frost injury to, studies, (38) 148.
Fusarium disease—
in Bavaria, (30) 748.
notes, (28) 447.
4reatment, (32) 842.
Geoica squamosa on, (40) 753.
germ, digestion coefficients, (28) 170.
                                                                                                                                                                                                                                                                                                                                                                                                      growth
                                                                                                                                                                                                                                                                                                                                                                                                    growth—
in heated soils, (31) 216.
in water culture, (33) 223.
on volcanic ash, (29) 726; (32) 36.
studies, methods, (38) 526.
hall injuries to, (33) 127.
hall resistance as affected by fertilizers, (30) 519.
hardiness, relation to sap density, (39) 430.
harvested at different periods, germination, (39)
442.
                                                                                                                                                                                                                                                                                                                                                                                                    442.
heads, fungus disease of, (34) 845.
history of, (31) 131.
hogging-down, (33) 871; (39) 779.
hybridization experiments, (30) 733; (36) 436.
improvement, (28) 43, 828; (36) 528.
inheritance of albinism in, (31) 329.
inoculation experiments, (35) 32.
```

Rye—Continued.	Rye-Continued.
insects affecting, (27) 54.	straw—continued.
irrigation by spraying, (33) 287. irrigation experiments, (27) 531; (29) 182, 631,	bending and breaking tests, (32) 830. composition and digestibility, (34) 565.
632: (31) 732: (33) 986	disintegrated, digestibility, (35) 474.
liming experiments, (29) 223; (39) 729; (40) 322. maltase content, (31) 204.	fertilizing value, (31) 822.
manuring experiments, (40) 432.	lime and phosphorus content, (26) 873. Svalof Improved Wasa, (40) 530.
meal, analyses, (26) 665, 770; (28) 265; (30) 67;	threshing injuries, (37) 534.
manuring experiments, (40) 432. meal, analyses, (20) 665, 770; (28) 265; (30) 67; (31) 663; (32) 259; (34) 467. meal, digestibility, (30) 566. middling specification (20) 566.	thrips affecting, (28) 452. transpiration in, (34) 522
middlings, analyses, (26) 568, 665; (27) 170, 171,	Turkestan varieties, description, (30) 830.
670, 774; (28) 364, 464, 669; (29) 666; (30) 169,	
(34) 72, 263, 665; (35) 373, 562, 867; (36) 167, 268	v. corn for pigs, (31) 809. varieties. (26) 733; (27) 32, 137, 334, 337, 531, 736;
765; (37) 268, 471; (38) 369, 665; (39) 167, 270,	(28) 43, 532; (29, 222, 428; (30) 33, 435; (31) 829;
370, 773; (40) 72, 571, 665.	(32) 224, 334, 431, 528; (33) 34, 632, 831; (34)
occurrence of creatinin in, (26) 419.	(37) 29, 132, 135, 330, 436, 438, 530, 641, 823;
offals, analyses, (27) 570; (39) 270.	Use in ofead making, (40) 556. v. corn for pigs, (31) 869. valieties, (26) 733; (27) 32, 137, 334, 337, 531, 738; (28) 43, 532; (29) 222, 428; (30) 33, 435; (31) 829; (32) 224, 334, 431, 528; (33) 34, 622, 831; (34) 138, 733; (35) 229, 637; (36) 32, 33, 435, 437, 1634; (37) 29, 132, 135, 330, 436, 438, 530, 641, 523; (38) 30, 131, 634.
meal, digestibinty, (30) 586. middlings, analyses, (27) 568, 665; (27) 170, 171, 670, 774; (28) 364, 464, 669; (29) 666; (30) 169, 868; (31) 467, 663; (32) 109, 667; (33) 568, 665; (34) 72, 263, 665; (35) 373, 562, 867; (36) 167, 288, 765; (37) 268, 471; (38) 369, 665; (39) 167, 287, 370, 773; (40) 72, 571, 665. nematodes affecting, (29) 151; (30) 448. occurrence of creatinin in, (26) 419. offals, analyses, (27) 570; (39) 270. origin and early habitat, (40) 632. pedigreed, in Wisconsin, (40) 624. pedigreed, yields in Wisconsin, (37) 438. phenological observations, (40) 811.	varieties— for New South Wales, (27) 338; (38) 528.
pedigreed, yields in Wisconsin, (37) 438.	for the Dakotas and Montana, (38) 230.
phenological observations, (40) 811.	in Argentina, (40) 625.
planting and harvesting dates, (26) 533. pollen contamination, (40) 529.	new Swedish, (39) 833. variety from mountain regions of Italy, (37)
pollen, toxicity, (29) 377. pollination, (36) 527. prices and shrinkage, (34) 337.	539.
prices and shrinkage, (34) 337.	variety tests, (39) 125, 126, 228, 337, 436, 437, 738; (40) 233, 332, 333, 529, 530, 728, 730, 731, 732.
prices in Germany, (30) 896.	volume weight and grain characteristics, (37)-
production in— Bohemia, (32) 827.	643.
1911. (26) 595.	water requirements, (26) 129; (29) 826; (32) 127. weed seeds in, (26) 135.
Russia, (26) 294. Spain, (28) 736.	wheat hybrids, natural, (34) 230.
products, analyses, (28) 669; (29) 467; (32)	winter, culture in relation to meteorology, (34) 715.
568.	winter, rest period in, (30) 732.
protection against frost, (27) 421. protein content, following black fallow, (34)	winter, spring harrowing, (39) 735. wintering of, (26) 733.
230.	yellow-foliage variety, (39) 741.
proteins, alcohol-soluble, (33) 162. rate of sowing tests, (27) 531.	yield as affected by— previous crop, (30) 438.
ratio of grain to straw, (36) 218.	previous soil treatment, (30) 834.
red dog flour, analyses, (34) 263. relation of tops to roots, (31) 733.	wind-breaks, (28) 40.
right- and left-handedness in, (27) 236.	yield in relation to— meteorology, (34) 207.
root development with other crops, (26) 129.	physical properties of soils, (33) 815. rainfall, (34) 319. yield on alfalfa stubble, (33) 828. yields, (27) 734; (28) 533; (29) 138, 425; (40) 735. yields in Australia, (38) 133.
root system, (32) 634. Rosen, (37) 799; (40) 233.	vield on alfalfa stubble, (33) 828.
Rosen, in Michigan, (39) 335. rotation experiments, (36) 528; (40) 229.	yields, (27) 734; (28) 533; (29) 138, 425; (40) 735.
rust—	yields in Australia, (38) 133. Sabal serrulata, studies, (35) 807.
description, (35) 47.	Sabal serrulata, studies, (35) 807. Sablefish, food value, (37) 165.
in Bayaria, (33) 847. in Canada, (34) 51. notes, (26) 143.	Sabulodes caberata on olive, (38) 157.
notes, (26) 143.	Sacbrood— investigations, (36) 659.
specialization, (37) 149. studies, (33) 546.	investigations, (36) 659. notes, (29) 57; (31) 554.
seed color in, studies, (30) 339.	Saccharetin, notes, (27) 813. Saccharic acid, isolation from soils, (28) 418.
seed examination, (33) 734. seed, tests and treatment, (29) 446.	Saccharimeter, revision of hundred point of, (30) 812
seed treatment, (33) 546; (39) 238. seeding dates, (40) 529	Saccharin-
seeding dates, (40) 529.	as affected by enzyms, (26) 257. as sugar substitute, (40) 864.
seeding experiments, (26) 833; (29) 426; (37) 226, 733; (38) 131; (39) 228.	bibliography, (26) 257.
seedlings as affected by mullimum, (39) 113.	detection in loads and beverages, (20) 500.
seedlings as affected by ultraviolet rays, (26) 430.	determination, (35) 112. determination in compressed tablets, (40) 613.
selection experiments, (40) 233, 524. selection of varieties, (22) 633. shorts, analyses, (37) 471. shrinkage tests, (38) 840.	determination in foods, (31) 810; (37) 804. effect on nutrition and health, (26) 257.
shorts, analyses, (37) 471.	examination, (30) 258.
shrinkage tests, (38) 840.	examination, (30) 258. legislation in Sweden, (26) 564.
smut, description and treatment, (39) 248. smut, notes, (39) 353, 354.	methods of analysis, (33) 414. substances, decomposition, (26) 307.
smut, studies, (36) 146,	toxicity, (28) 662; (34) 429.
smut, treatment, (27) 445; (28) 546, 647; (30) 242.	use, (32) 456. use in foods, (26) 868; (27) 665; (31) 557; (34)
sowing with vetch. (40) 243.	256.
spring, yields, (39) 333. sprouts, digestibility, (30) 566.	Saccharogenic and amyloclastic powers, comparison, (30) 463.
stalk disease, control in Westphalia, (26)	Saccharometers, notes, (28) 614.
545.	Saccharomyces— apiculatus, forms in wine, (30) 712.
starch, color reaction, (40) 411. starch, gelatinization point, (30) 10.	apiculatus, notes, (29) 116.
starch, studies, (31) 828.	cerevisiae—
statistical notes, (40) 626. stem rust, treatment, (32) 843.	notes, (28) 408. occurrence in sugar, (26) 505.
straw—	symbiosis by. (29) 714.
analyses, (28) 768; (34) 164. analyses and use as human food, (33) 866.	thermal death point, (38) 468. ellipsoideus, effects of salts on, (38) 503.
	- · · · · · · · · · · · · · · · · · · ·

	C-tt-
SaccharomycesContinued.	Saissetia— hemisphaerica, see Hemispherical scale.
fairnesus, assimilation of atmospheric nitro- gen.by, (30) 629.	olene, see Black scale
farinosus, growth in different media, (28) 821	spp., notes, (28) 453.
minor in bread leaven, (35) 163	Saj, notes, (29) 413.
neotormans from tuberculous lungs, (39) 187. spp., assimilation of nitrogen by, (28) 35.	Saké— composition, (28) 461.
Saccharomy cetes, utilization of mulin by, (31) 224.	utilization of rice proteins by, (29) 565.
Saccharomy codes in must, (30) 712.	Sakura-hima, eruption of, (31) 615.
Saccharose—	Sal—see also Phorea robusta.
absorption in the intestines, (28) 763. as affected by chloroform and ether, (33) 523.	beetles affecting, (36) 360. disease, notes, (36) 119; (35) 351.
as protective agent for invertuse, (26) 501.	ecology and diseases, (3o) 332
cleavage in presence of invertage, (30) 806.	forests as affected by drought, (29) 443.
detection, (29) 809.	reproduction, (36) 153.
detection in honey, (26) 608 determination, (26) 709; (27) 813.	seed, germination tests, (27) 147. seedlings, development, (35) 619.
determination in—	seedlings, dying back, (36) 345, 814; (40) 47. tree disease, (30) 146; (40) 48.
condensed milk, (29) 810.	tree disease, (30) 146; (40) 45.
food products. (27) 111; (29) 715.	Salad plants, treatise, (37) 615. Salads, sandwiches, and chafing-dish dainties, (32)
frozen beets, (34) 13. plants, (35) 206.	560.
effect on—	Salamanders in Pennsylvania, (31) 648.
ammonification, (28) 715. availability of nitrogen, (28) 725	Salep, analyses, (29) 463.
plant respiration, (26) 628.	Salicin— as affected by emulsin, (27) 408.
formation in sugar beets, (27) 596	as affected by enzyms, (28) 503.
humification, (38) 26.	decomposition by en thism, (20) 505.
hydrolysis, (27) 801. in beets, formation and distribution, (38) 26.	hydrolysis by enzyms, (29) 506.
inversion by asparaginic acid. (32) 711.	Salicornia, growth in presence of salt, (33) 222.
inversion by asparaginic acid, (32) 711. inversion by bees' honey, (27) 813.	Salicylic— acid—
inversion in beets during storage, (30) 15. occurrence in malt sprouts, (26) 24.	as a food preservative, (30) 364.
resorption in small intestine, (29) 268.	detection, (26) 412, 805; (27) 12; (28) 22
use in broad making, (33) 401.	detection in cheese, (32) 313. detection in milk, (26) 610.
utilization by pea seedlings, (27) 730.	acid. determination-
Saccharum spontaneum—	error in, (26) 111. in foods, (38) 314.
for shifting sands, (37) 333. notes, (26) 362.	in 1000s, (38) 314.
Sacchulose as a feeding stuff for horses, (28) 571.	in fruit juices, (28) 112. in wine, (35) 805
Sacculated kidney in domestic unimals, (26) 176.	acid, effect on-
Sacculina, effect on fat metabolism of host, (26) 471.	amylolytic action of malt extracts, (31) 711.
Sacks as carriers of swine fever, (32) 881.	butter and margarin, (26) 778. cyanogen formation in plants, (28) 527.
Saddle-back caterpillar, notes, (33) 58.	formation of botulinus toxins, (30) 479.
Safety valve, glass, demountable, (40) 709 Safflower—	acid, methods of analysis, (33) 414.
cake, fertilizing value, (38) 220.	acid, new reactions for, (27) 806. aldehyde—
cake, notes, (31) 366.	antizymotic action, (34) 815.
culture for seed, (37) 230. disease, notes, (30) 47.	effect on growth of cowpens, (36) 731.
Indian, studies, (36) 228.	effect on nitrification in soil, (38) 119.
Sauron, adulteration, detection, (30) 415; (32) 207.	effect on plants, (31) 620; (33) 328; (34) 20, 325; (36) 424.
Bagaritis websteri n.sp., description, (29) 563.	in soils, (40) 22.
Sage-	isolation from soils, (28) 418. Saligenin, utilization by plants, (36) 329.
analyses, (26) 612. black, oil of, (33) 202.	Saline—
mountain, water requirement, (32) 127.	cathartics, effect on metabolism, (28) 867.
thresher, fruit eating habits, (27) 254.	cathartics, effect on metabolism, (28) 867. claims in United States, (27) 22. deposits in Great Basin, (29) 518; (31) 423. deposits in southeastern California, (33) 518.
Sagittaria—	deposits in Great Basin, (29) 518; (31) 423.
sagittifolia, nitrites in, (33) 627. spp. as a duck food, (30) 545.	solutions, phototransparency of, (28) 317.
spp. as a duck food, (30) 545. Sagrinae, catalogue, (30) 458.	Salines—
Sagrotan, disinfecting value, (32) 80; (40) 780. Sahlbergella spp., notes, (33) 153.	as source of potash, (27) 500; (28) 33. of United States, composition, (28) 33, 725.
Sahuaro, behavior of excised branch of, (35) 820.	Saliva—
Sailors—	amyloclastic property, (28) 262.
diet of, (32) 358.	effect on starch, (26) 872.
discharged, employment in England and Wales,	food accessories in, (40) 271. horse, orokinase and ptyalin in, (40) 778.
(35) 296. discharged, employment on farms, (38) 293.	human—
land settlement for, (36) 290; (37) 190.	amylolytic activity, (40) 609. as affected by diet, (29) 164.
Sain, notes, (29) 443.	diastatic power, (28) 567.
Sainfoin—	effect of nutrition on amylase content, (29)
culture experiments, (30) 228; (36) 32. culture under dry farming, (30) 435.	568.
	ox, diastase in, (36) 82. relation to dental tartar, (26) 160.
effect on milk and butter, (34) 570	Salivary—
effect on milk and butter, (34) 570 fertilizer experiments. (26) 631. germination tests, (30) 837. insets affecting, (39) 556. nodule bacteria of, (32) 33. sclerotia disease affecting, (29) 845. seed earningting appropri	digestion, relation to gastric digestion, (34) 862
insects affecting, (39) 556.	glands in relation to gastric secretion, (40) 867. glands in relation to thirst, (40) 767.
nodule bacteria of, (32) 33.	Salix—see also Willow.
sclerotia disease affecting, (29) 845. seed, germination energy of, (29) 538.	caprea, enzyms of, (31) 310.
seed, vitality, (27) 740.	hybridization experiments, (37) 432; (40) 546. Salmon
seed, vitality, (27) 740. varieties, (26) 631; (30) 434. yields, (30) 134.	analyses, (28) 358.
yields, (30) 134.	and its by-products, preparation, (38) 13.

Salmon—Continued.	Salt—Continued.
canned—	effect on-continued.
content of bacteria and tin. (38) 166.	Olives (26) 825
examination, (40) 205. in United States, (38) 866.	olives, (26) 825. plants, (32) 223; (36) 297.
in United States, (38) 866.	proteolytic enzyms, (27) 878; (29) 268.
nutritive value, (40) 66. nutritive value and recipes, (31) 555. cannery waste, fettilizer from, (26) 324. canning industry in North America, (28) 358.	quality of sugar beets, (28) 44.
nutritive value and recipes, (31) 555.	respiratory pigments of plants, (26) 327.
cannery waste, fertilizer from, (26) 324.	respiratory pigments of plants, (26) 327. serum mixtures, (35) 680.
canning industry in North America, (28) 358.	soil bacteria, (26) 322.
D. E., DIOGIADIRGA SKUCII. (31) 697.	soils, (27) 622.
fly, studies, (39) 257. industry in Alaska, (36) 862.	soils and plants, (35) 423.
industry in Alaska, (36) 862.	sprouting of potatoes, (32) 829.
reprocessed, as a food, (30) 861.	storage butter, (38) 77.
shipping long distances, (35) 162.	strength of concrete, (30) 589.
waste, analyses, (34) 28.	sugar beets, (26) 438.
Salmonberries—	water content of butter, (38) 781.
breeding experiments, (28) 542.	weeds, (38) 632.
hybridization experiments, (28) 436.	yield and quality of bread, (30) 462.
hybridization experiments, (28) 436. Salmonberry leaf spot, notes, (33) 647. Salmonellosis porcina, notes, (30) 185. Salol, determination, (27) 499.	yield and quality of bread, (30) 462, feeding value, (28) 265. fertilizing action, (26) 623. fertilizing ratue, (26) 623. fertilizing ratue, (26) 623. fertilizing ratue, (26) 34, 630; (27) 125, 128; (30) 428; (31) 329; (32) 324; (33) 841; (34) 519, 726; (35) 327; (36) 220; (37) 636; (39) 117, 334, 428, 438; (40) 134. figures in serum of sick horses, (40) 287. fly in San Francisco Bay, (39) 362. glycosuria, mechanism, (37) 64. importance in rations, (40) 775. marsh grass, analyses, (29) 270. marshes of north coast of Porto Rico, (29) 513. poisoning in pigs, (40) 684.
Salmonellosis porcina, notes, (30) 185.	iertilizing action, (26) 623.
Saloi, determination, (27) 499.	lertilizing value, (26) 34, 630; (27) 125, 128; (30)
Salpingogaster nigra, notes, (30) 457.	428; (31) 829; (32) 324; (33) 841; (34) 519, 728;
Salsify—	(35) 327; (36) 220; (37) 636; (39) 117, 334, 428,
food value, (36) 863.	408; (40) 134.
mulching v. clean culture, (33) 531.	figures in serum of sick norses, (40) 287.
root knot, notes, (39) 52.	ny in San Francisco Bay, (39) 362.
soft rot, notes, (31) 641.	grycosuria, mechanism, (37) 64.
Verticillium diseases, (39) 852.	importance in rations, (40) 775.
white rust in Indiana, (39) 52.	marsh grass, analyses, (29) 270.
sola—	maisnes of north coast of Porto Rico, (29) 513.
aphylla, analyses and digestibility, (27) 871;	poisoning in pigs, (40) 604.
(32) 167.	Direct notional hird recordation (27) 355
kali var. tenuifolia, eradication, (27) 733.	able in plant partition (92) 795
vermiculata, analyses, (33) 466.	rôle in preserved foods (98) 261
Salt—	marsnes of north coast of Porto Rico, (29) 513. poisoning in pigs, (40) 684. poisoning in pigs and poultry, (39) 680. River national bird reservation, (37) 355. rôle in plant nutrition, (33) 725. rôle in preserved foods, (28) 361. sea, as fertilizer for beets, (26) 43. "sickness," rôle of Panicum combsii in, (40) 137 solutions, effect on— germination of seeds, (27) 330; (29) 218. metabolism, (28) 866. plants, (29) 218. potatoes, (27) 748. soil temperature, (29) 620.
absorption by plents (35) 435	"sickness" rôle of Panioum combail in (40) 137
absorption by plants, (35) 435. adulteration, (29) 807. analyses, (28) 275; (30) 712. and alkali industry, treatise, (33) 428.	Solutions effect on-
anglyses (28) 27% (30) 712	germination of seeds (27) 330 (29) 218
and alkali industry, treatise, (36) 428	metabolism (28) 886
and ice, lowest temperature with, (31) 615.	plants. (29) 218.
and water, physiology of, (28) 261.	Dotatoes, (27) 748.
application to heavy soils, (33) 323.	soil temperature, (29) 620.
and alkan industry, treatise, (3), 128. and ice, lowest temperature with, (31) 615. and water, physiology of, (2), 201. application to heavy soils, (33) 323. as fertilizer for carrots, (30) 135. as winter spray for fruits, (30) 641. backeriological analyses, (32) 269. bromin compounds in, (31) 657.	spots, relation to plants, (29) 422.
as winter spray for fruits, (30) 641.	spots, relation to plants, (29) 422. sterilization of soils by, (32) 816.
bacteriological analyses, (32) 269.	toxicity, (28) 661.
bromin compounds in. (31) (57.	toxicity, (28) 661. toxicity toward barley, (33) 323.
cattle, analyses, (26) 267.	toxicity toward nitrogen-fixing organisms, (28)
content of—	519.
a Kamerun plant, (10) 326.	trough for sheep, description, (37) 867. use against Canada thistles, (30) 639.
leaves, induced variations in, (29) 134.	use against Canada thistles, (30) 639.
nonhalophytes, variations in, (29) 28.	use in wound treatment, (35) 882.
sweat, (26) 766.	value in the diet, (29) 664.
dairy, analyses, (26) 81.	Saltbushes—
deposits-	as cover crops, (32) 729.
in Oklahome, (30) 724.	culture experiments, (30) 632.
of Plantegairde, composition, (26) 426. of southwestern Virginia, (30) 724.	desciruction by white my, (26) 859.
of southwestern Virginia, (30) 724.	indigenous to Australia, (26) 830.
of Stassfurt, origin, (23) 72%. destruction of mustard by, (27) 31.	seeding on ranges, (30) 35. Salton Sea, studies, (29) 415; (32) 429. Saltpeter—see also Potassium nitrate and Sodium
destruction of mustard by, (27) 31.	Salton Sea, Studies, (29) 415; (52) 429.
destruction of weeds by, (26) 333.	Saitpeter—see also Potassium nitrate and Socium
determination in -	nitrate.
butter, (27) 614. 812; (33) 16; (39) 505.	as milk adulterant, (26) 673. as source of potash, (34) 327.
10008 tind 10008, (32) 22, 415.	as source of potasii, (52) 527.
foods and feets, (32) 22, 415, sea water, (34) 501, soils, (32) 806.	as source of potash, (34) 327. composition and use, (27) 727. deposits, new, in Brazil, (39) 817. determination in meat, (27) 504. effect on flow of rubber latex, (29) 748. effect on nutrition and health, (26) 70. fertilizing value, (26) 232; (27) 336, 337. for rubber trees, (26) 339. industry in India, (26) 524. origin and extraction in India, (37) 722. refuling in India, (26) 524.
Sous, (52) Pool.	determination in most (27) 504
distribution in butter, (30) 877.	effect on flow of rubber letey (20) 748
effect in applutination, (40) 778.	effect on nutrition and health (26) 70.
effect on—	fertilizing volue (26) 232: (27) 336, 337.
action of maltase, (28) 501. activity of malt directuse, (29) 528.	for rubber trees (26) 339
anaphylaxis, (30) 478.	industry in India, (26) 524.
availability of soil potash, (32) 126.	origin and extraction in India, (37) 722.
bacterial development in butter, (30) 76.	refining in India, (26) 524.
butter and cheese, (28) 278.	refining in India, (26) 524. use in cheese making, (34) 574.
butter flora, (34) 776.	Salts—
coffee and cacao. (27) 824.	absorption—
coherence of soils, (31) 123.	and excretion by roots, (26) 624; (34) 224.
cyanids, (20) 206.	by cultivated soils, (34) 324.
decomposition of feldspar, (30) 126.	by plants, (35) 432, 433.
development of chromogens, (26) 327.	by plants, (35) 432, 433. by roots, (34) 334; (36) 128. acid, alkaline reaction in soils, (30) 122.
flavor of cheese, (32) 176.	acid, alkaline reaction in soils, (30) 122.
germinating plants, (33) 128.	acid, effect on Aspergillus niger, (29) 734.
germination of seeds, (29) 327.	addition to diet, water distribution and edema following, (33) 684.
growth of Salicornia, (33) 222.	following, (33) 664.
invertase, (31) 408.	alkali, determination in soils, (28) 318.
invertase, (31) 408. legums, (40) 434. nitrification, (27) 124.	alkali, effect on—
nitrification, (27) 124.	bacteria, (32) 320.
nitringation in sous, (28) 217.	growth of rice, (30) 728,
nutrition and renal excretion, (27) 464.	nitrification, (38) 322.

Salts—Continued.	Salvarsan—
alkali, effect on—continued.	administration, (26) 677; (28) 80. bactericidal action, (39) 488, 590.
plants, (28) 527. soil bacteria, (28) 519, 719; (33) 323.	detection, (26) 411.
and acids, antagonism between, (34) 429.	effect on plants, (27) 131.
antagonism, (30) 98, 366, 821, 833; (32) 35, 223, 320, 728; (31) 317, 627, 721; (33) 31, 323, 521, 628; (34) 126; (35) 823; (36) 128; (37) 431.	fixation by blood, (35) 71.
320, 728; (31) 317, 627, 721; (33) 31, 323, 521, 628;	qualitative and quantitative tests, (39)-508.
antagonism, additive effects in, (34) 730.	toxicity, (38) 181. trypanocidal activity, (36) 679.
antagonism as affecting soil bacteria, (31) 317.	use against—
as affected by humic acid, (31) 324.	anthrax. (27) 680; (20) 679; (36) 678.
as affected by soil moisture and manure, (36)	contagious pneumonia, (27) 280.
816.	dog distemper, (32) 84; (37) 584.
condition in milk, (32) 607. crystallizable, photomicrographs, (36) 804.	dourine, (28) 478. equine influenza, (26) 288, 486; (28) 287, 483;
distribution in living matter, (30) 367.	(29) 385; (30) 186. glanders, (27) 183; (28) 79. infectious bulbur paralysis, (33) 179. nonsymbilitic diseases, (31) 775.
- effect on-	glanders, (27) 183; (28) 79.
action of rennet on milk, (26) 477.	infectious bulbar paralysis, (33) 179.
amylolytic ferments of bread, (34) 660. Aspergillus niger, (27) 848.	money partiable theoretically (or) 1101
bacterial activities of soil, (36) 515.	rabies, (29) 679; (30) 281. septic pneumonia, (31) 85.
concrete, (29) 686, 891. growth of soy beans, (36) 31.	spirochetosis in fowls, (27) 385.
growth of soy beans, (36) 31.	surra, (29) 176.
heliotropism, (34) 333. limo requirement of soils, (36) 210.	Salvia— mondiflore oil of (20) 802
metabolism of pigs. (30) 268.	grandiflora, oil of, (36) 803.
metabolism of pigs, (30) 208. oxidative processes in the body, (33) 69.	nemorosa, root system, (37) 542. pratensis, betains in, (27) 204
permeability of protoplasm, (33) 328.	Salvinia natans, reactions of root hairs, (29) 828.
plant growth, (29) 329.	Samar as a reclamation crop, (30) 231.
reproductive process, (34) 766. respiratory metabolism, (32) 860.	Sambueus— canadensis, notes, (30) 145
root development, (29) 328.	Coryneum-like structures on, (33) 545
secretion of diastase by Penicillium camem-	nigra, cork from, (31) 312.
bertil, (36) 328.	Samia cecropia, see Cecropia moth.
seeds and seedlings, (29) 421.	Sampling— device for organic materials, (37) 711.
soil acidity, (35) 22. soils, (26) 618.	standard methods, (35) 415; (88) 506.
starch ferments. (27) 109.	San borer, notes, (31) 850.
wheat seedlings, (31) 426. flocculation of turbid liquids by, (32) 121.	San José scale—
importance in health and disease, (30) 367.	control in— Florida (28) 197
in sandy loam and adobe soils, studies, (30) 517.	Florida, (28) 197. Kansas, (37) 357.
injurious to cotton plant in Egypt, (34) 227.	Maryland, (27) 552.
inorganic, effect on—	Missouri, (33) 253.
Actinomycetes, (36) 526. catalase, (26) 504.	West Virginia, (26) 840; (28) 842; (35) 657. distribution in South Africa, (30) 549.
pancreatic lipase, (31) 264.	immunity to sprays, (40) 753.
metallic-	immunity to sprays, (40) 753. in Nova Scotia, (31) 251.
effect on lupine radicles, (32) 128. effect on olives, (26) 825.	life history and remedies, (33) 452. notes, (20) 59, 147, 348; (27) 200, 455, 668, 755, 867; (28) 186, 188, 235, 383, 663, 702; (29) 53, 158, 251, 353; (30) 53, 157, 655, 752; (31) 60; (32) 448, 860; (33) 153, 262, 558; (34) 158, 162, 762; (35) 253, 356; (30) 357, 755, 856; (37) 358; (38) 653;
offect on yeasts and other fungi, (28) 527.	857; (28) 156, 158, 235, 353, 653, 752; (29) 53, 158,
fertilizing value, (31) 821.	251, 353; (30) 53, 157, 655, 752; (31) 60; (32) 448,
reaction with soluble carbonates, (31) 504.	850; (33) 153, 252, 558; (34) 158, 162, 752; (35)
rôle in nitrogen assimilation by green	(40) 163.
plants, (28) 328. toxicity, (28) 662.	occurrence in Transvaal, (26) 455.
mineral, role in metabolism of infants, (29) 366.	occurrence in West Virginia, (26) 753.
movement in alkali soils, (34) 16.	parasites of, (29) 758; (30) 661; (31) 355; (32) 245,
movement in semiarid soils, (28) 421. neutral, effect on action of alcohol on plant cells,	440. remodies, (26) 755; (26) 352; (32) 754; (33) 253; (34) 548, 551; (36) 561; (37) 54; (38) 540, 653. spraying, (39) 340, 465. studies, (27) 158.
(34) 333.	(34) 548, 551; (36) 551; (37) 54; (38) 540, 653.
neutral, effect on castor bean lipase, (30) 409.	spraying, (39) 360, 465.
penetration of protoplasm by, (20) 823. physiological balance in water cultures, (36) 328.	Studies, (27) 155.
plants tolerating, (40) 221.	susceptibility to sprays, (34) 551. Sanai as a green manure, (31) 230; (34) 37. Sanatogen, examination, (28) 259.
plants tolerating, (40) 221. rare earth, effect on coagulation of milk by rennet, (30) 312.	Sanatogen, examination, (28) 259.
renetions of ions and male witer (27) 001	Sand-
reactions of ions and molecules, (37) 201.	and gravel deposits in Virginia coastal plain, (29) 513.
relation to soil colloids, (35) 16, 622. rôle in infant feeding, (35) 165. rôle in plant life, (34) 135.	and plant silica, differentiating, (40) 610.
rôle in plant life, (34) 135.	application to grass lands, (32) 630. areas, reclamation, (28) 230; (29) 427.
role in preservation of life, (26) 271. soil, effect on vegetation, (27) 215.	areas, reclamation, (28) 230; (29) 427.
soil, relation to cultivated plants, (28) 426; (31)	blast tests for timber, (27) 348 cement, investigations, (29) 183. cherry, Champa, description, (30) 640.
627,	cherry, Champa, description, (30) 640.
.soluble—	clay mixtures for road surfacing, (31) 289.
effect on absorption of phosphates by soils, (26) 122.	concrete, grading, (38) 389. cultures—
effect on clay, (27) 620.	balance of nutrients in. (36) 212.
effect on soils, (26) 216.	balance of nutrients in, (36) 212. nitrifying bacteria in, (27) 634.
excess in humid soils, (38) 418.	renewal of plant nutrients in, (36) 31.
movement in soils, (33) 513; (38) 417. toxic, as affected by other saits, (30) 31.	diluvial gray, notes, (27) 416. distribution in ground cinnamon, (26) 564.
toxic inorganic, effect on plant growth, (30) 130.	dunes—
IOXIGITY LOWARD—	afforestation, (26) 543.
barley, (33) 323. Monillis sitophila, (31) 730. Plants as a factod by colorum (00) 300	control and utilization, (35) 719.
practice as an octourly callitum, (28) 522.	devastation by, (37) 720. evaporation in, (27) 636.
wagner, fertilizing value, (27) 342.	fixation and reclamation, (80) 239.
Saltusaphis, synopsis, (37) 157.	fixation in Russia, (27) 148.

Sand-Continued.	Sanninoidea—
dunes—continued.	exitiosa, see Peach borer.
of Coos Bay, Oregon, (31) 744. of New Zealand, reclamation, (26) 223	opalescens, notes, (27) 857.
of New Zealand, reclamation, (26) 223. reclamation, (27) 245. reclamation in California and Organ (22)	opalescens, studies, (26) 61. pacifica, remedies, (27) 54.
reclamation in California and Oregon, (33)	Sansevieria-
spits, and wastes, treatise, (32) 30.	culture and uses, (30) 529. fiber from, (33) 530.
weathering, (28) 220. effect of fineness on strength of mortar, (33) 781.	Santalum album, see Sandal tree.
effect on—	Santonin— as vermifuge, (38) 884.
nitrification, (33) 620. nitrification in clay soils, (29) 622.	determination in Levant wormseed. (32) 300.
soil granulation, (26) 420.	Sap— acidity, relation to rust resistance in wheat,
soil granulation, (26) 420. swamp lands, (31) 516.	(30) 242.
temperature of moor soils, (27) 516.	as affected by heat, (31) 522, 627. ascent—
flagellate infection of, (32) 59.	in plants, (27) 222; (34) 727; (35) 25, 26, 223,
habits, (29) 856. notes, (35) 552.	331, 432. plants, liquid pressure theory, (36) 822.
relation to pellagra, (26) 656; (27) 156; (29)	plants, tension hypothesis, (37) 128.
357; (31) 455. relation to verruga, (29) 856.	plants, treatise, (33) 127. trees, (33) 827.
review of literature, (30) 159.	rôle of plant cells in, (27) 829.
for concrete, specifications, (32) 484.	rôle of plant cells in, (27) 829. studies, (29) 422, 524, 828. composition, (35) 822.
for concrete, testing, (31) 386. from Vesuvius, analyses, (27) 422.	concentration-
gray, formation and composition, (27) 619. hills, forestation, (29) 43.	and height of leaf insertion, (38) 126. determination, (35) 633.
nuis of Nebraska, ecological study, (31) 425.	of Jamaican desert plants, (39) 29.
hills of Nebraska, reforestation, (31) 744. production in 1912, (30) 87.	of Jamaican mountain plants, (38) 125. seasonal variations in, (35) 26.
spur, notes, (26) 361.	studies, (40) 130. density and freezing point, studies, (28) 824.
spurry, growth on volcanic ash, (32) 36. sterile, changes in by cropping, (33) 325.	density and freezing point, studies, (28) 824. density, relation to hardiness, (39) 430.
wearing tests, (33) 781.	depression of freezing point, (36) 823.
Sandal— spike disease, notes, (38) 548, 855; (40) 49.	depression of freezing point, (36) 823. descent, studies, (32) 523. electrical conductivity in vegetable tissues, (34)
spike disease, studies, (36) 652; (39) 255, 654.	825.
tree, host plants of, (26) 843. Sandal woods—	extraction by pressure, (39) 224. extraction from plant organs, (29) 828.
of Hawaii, (36) 539. oil value, (33) 444.	flow, cause, (27) 133.
on value, (33) 414. Sandan, notes, (29) 443.	flow, stimulation by nutrients, (27) 538. of desert plants, (87) 630.
Sandpipers, dying around Great Salt Lake, (33) 251.	desert plants, cryoscopic constants, (36) 823.
Sands—	leaves, osmotic pressure, (27) 631. plants in mountain and desert habitats, (37)
grading for road construction, (37) 787. of New Hampshire and Vermont, (34) 787.	525.
of West Virginia, (34) 686.	wild grafts, effect on domesticated plants, (39) 525.
organic impurities, test for (37) 490. shifting, grasses for, (37) 333.	osmotic pressure, (38) 523.
Sandstone—	poisoning as remedy for—
cementing material, plant food value, (27) 513. plant food value, (31) 621.	** San José scale, (32) 754. **Tree scale, (32) 152.
Sandwich caterpillar, notes, (30) 660.	stain, prevention, (26) 339. studies, (32) 139.
Sandwiches-	tensile strength, (31) 626. transfusion of, (31) 341.
examination, (31) 557. notes, (31) 760.	vegetable freezing noint of, (31) 221.
nutritive value and use, (30) 761.	vegetable, physico-chemical properties of, (31) 427; (34) 30.
salads, and chafing-dish dainties, (32) 560. Sandy River basin, Oreg., hydrology, (32) 382.	
Sanguisorba minor—	Saperda— calcarata, notes, (28) 161, 353.
culture in Hawaii, (32) 730. culture in Rhodesia, (27) 32.	calcarata, studies, (40) 861.
notes, (30) 434.	candida, see Apple tree borer, round-headed. punctata, notes, (30) 455.
Sanidin -	punctata, notes, (30) 455. tridentata, see Elm borer.
as source of potush, (26) 426; (30) 216. fertilizing value, (27) 725.	vestita, notes, (30) 655; (35) 54. Sapindus emarginatus, epiphytes on, (28) 852.
Sanitary—	Saponaria officinalis, role of saponins in, (33) 524.
and applied chemistry, (39) 501.	Saponin— detection, (27) 505; (31) 713.
closets, chemical, (38) 84, 85. conditions in Alaska, (31) 360.	from Yucca filamentosa, (37) 9.
inspection laws in Ohio, (33) 261.	in Mowrah meal, (30) 267. insecticidal value, (34) 359.
inspections in Indiana, (28) 65. science, tables of statistical error, (26) 773.	of alfalfa, (40) 607. plants of Chile, (38) 336.
Sanitation—	plants of Chile, (38) 336. reactions of, (26) 107.
bibliography, (31) 196. chlorid of lime in, (29) 512.	use, (32) 456.
handbook, (31) 387.	use in milk examination, (27) 614. variation in corn cockle seeds, (28) 525.
in canning factories, (32) 64.	Saponina—
in the Tropics, (31) 489. military, textbook, (34) 369.	as a source of carbohydrates for vegetation, (30)
railway, notes, (30) 862. relation to geology, (30) 212.	129. biochemical investigations of, (33) 524.
rural, see Rural sanitation.	detection, (32) 20.
textbook, (40) 694. treatise, (32) 659.	poisonous and nonpoisonous, differentialities, (32) 20.
Sann, seed position in planting, (40) 635.	use in insecticide emulsions, (26) 153.

```
Sardines—Continued.

bacterlology, (40) 555, 764, 864.

examination, (38) 166.
fat content, (26) 258.
Sapotacea, description, (29) 60.
Sapote, analyses, (40) 763.
Sapote, white, culture in California, (26) 743.
Sapotovins, detection in flour, (38) 712.
Sapotphis n.g., description, (10) 60.
Saprolegamaceae, vegetative vieor and reproduction
                                                                                                                                                                                                                       Sargaritis-
                                                                                                                                                                                                                       sp., notes, (29) 855.
wobsteri, notes, (28) 253.
Sarothamnus scoparius, behavior on hme soils, (31)
 in, (3) 524.

Sapromyza bispina, relation to fire blight, (36) 352.

Sapromyzidae, synopsis, (29) 355.

Sarcina luten—
                                                                                                                                                                                                                       425.
Sarothromyia femoralis, notes, (39) 861.
Sarrothripime in British Museum, catalogue, (28)
                anmonifying power, (31) 317.
occurrence in sug v., (26) 505.
organism resembling in condensed milk, (28) 81.
                                                                                                                                                                                                                             asa paniculata, carbohydrates of, (29) 803.
                                                                                                                                                                                                                       Saskatchewania canadensis n.g. and n.sp., descrip-
  Sarcocystis.
               cocysts — macropodis, notes, (27) 883. muris, biology, (32) 333. muris, becuni evolution, (36) 557. n.sp., notes, (28) 782. n.spp, descriptions, (32) 353. tenella— macropositions, (32) 353.
                                                                                                                                                                                                                       tion, (34) 64.
Sassafras—
                                                                                                                                                                                                                      Brisbane, essential oil of, (36) 611.
variifolium, mucin-like substances of, (31) 409.
Saturnids of Senegal, (27) 456.
Saturnid moth—
                                                                                                                                                                                                                      larvae, use as food, (27) 258.
longevity, (26) 655.
Saturniidae, monograph, (32) 850.
Sauces, examination, (26) 660.
Saucekraut—
                              affecting sheep, (28) 586.
in sheep, studies, (29) 81.
infestation of lambs by, (37) 374.
 life history, (39) 162.
studies, (31) 381, 658; (40) 585.
toxic substance in, (30) 577.
Sarcocysts, notes, (27) 181.
                                                                                                                                                                                                                       Sauterkraut—
analyses, (26) 157.
fermentation, (37) 165, 208, 806.
making and storing, (38) 567.
Saundets, W., biographical skotch, (31) 698.
Sauromatum venosum, respiratory enzyms of, (28)
  Sarcoma-
Sarconna—
diagnosis, (31) 876.
implanted in chick embryo, behavior, (27) 368.
in domestic fowls, investigations, (31) 287.
in fowls, variations in, (29) 385.
spindle-celled, transmission, (28) 287, 288.
transmission by bed bugs, (31) 550.
Sarcomates, spindle-celled, in chickons, (31) 485.
Sarcomatosis, generalized, in fowls, (39) 590.
Sarconesia chlorogaster, notes, (20) 731.
Sarconhaza—
                                                                                                                                                                                                                        Sausage
                                                                                                                                                                                                                                     usage—
anulyses, (29) 59, 863; (31) 357.
bacteria of, (27) 401; (32) 252.
bacterial examination, (34) 760.
binder, description, (31) 460.
boric acid in, (36) 406.
detection of added water in, (29) 460; (37) 414.
law in Pennsylvania, (27) 767.
manufacture, (27) 278.
methods of analysis, (29) 863.
notes, (31) 638.
notes, (31) 638.
pork, examination, (28) 166.
              conesia chlorogaster, notes, (26) 781.

cophaga—
aldrichi n.sp., description, (36) 57.
and allies in North America, (37) 160.

caridei, notes, (29) 354.
caridei, parasitic on locusts, (37) 357.
caridei, studios, (38) 255.
eleodis, life history, (39) 204.
falculata, studies, (29) 760.
froggatti n.sp., description, (36) 58.
fuscicanda, description, (36) 58.
georgina, notes, (30) 656.
faaemorrhoidalis larvae in human intestine,
(37) 853.
Hawaiian, key, (40) 263.
(Helicobia) helicis, notes, (33) 749.
kellyi n.sp., description, (32) 60.
nigriventris, notes, (39) 766.
spp., notes, (38) 161.
spp., narsitic on gipsy moth, (31) 652.
utilis n.sp., description, (33) 890.
vericanda, notes, (34) 66.
  Sarcophaga
                                                                                                                                                                                                                       notes, (31) 638.
pork, examination, (28) 166.
pork, preservation, (29) 312.
preparation, (28) 860; (35) 114; (36) 114.
preserved, paper on, (35) 859.
truffle, adulteration, (26) 253.
viscose as casing for, (32) 660.
water content, (34) 365; (40) 807.
Savin oil poisoning, detection, (28) 883.
Sawdust—
                                                                                                                                                                                                                        Sawdust
                                                                                                                                                                                                                                     vous:—
analyses, (29) 467.
as feeding stuff for horses, (28) 571.
digestibility, (28) 669; (29) 65, 467.
effect on soil phosphates, (34) 421.
effect on soil potash, (36) 625.
extinguishing fires with, (29) 788.
                                                                                                                                                                                                                        Sawflies
  Sarcophagid—
fly larvae, reactions to light, (27) 655.
larvae from painted turtle, (31) 756.
                                                                                                                                                                                                                                       Cornish, studies, (28) 162.
Japanese, in United States National Museum,
(26) 63.
 larvae from painted turtle, (31) 756.

Sarcophagidae—
economic relations, (31) 251.
of New England, (33) 157; (36) 57.
parasitic, review of literature, (32) 60.

Sarcophagini, genera of, (33) 467.
Sarcophagini sceidita, notes, (39) 861.
Sarcopsylla gallinacea, notes, (32) 767.

Sarcopts scabei, infection of goats with, (31) 177.

Sarcosporidia—
in Panama, (33) 863.
occurrence in domestic animals, (28) 885.
relation to enidosporidia of invertebrates, (35) 384.
                                                                                                                                                                                                                                       mating habits, (34) 557.
new, in United States National Museum, (29)
                                                                                                                                                                                                                        notes, (26) 147; (30) 60; (40) 459, 655, 761, of Quebec, (30) 454.
Sawmill waste as source of potash, (33) 819.
                                                                                                                                                                                                                        portable, forest utilization with, (34) 612.
small, (40) 291.
Saxifraga peliata as host of grape root worm, (2 9) 657
Saxifragas, treatise, (34) 45.
Sayornis nigricans, destruction of locusts by, (28)
384.
review of investigations, (36) 252.
studies, (30) 577.
zoological position, (37) 53.
Sarcosporidin, notes, (30) 577.
Sarcosporidiosis—
bovine, in Portugal, (37) 81.
cutaneous, in a cow, (28) 782.
in sheep, (28) 586; (29) 81.
relation to scrapie in sheep, (32) 276.
Sardelles, fat content, (20) 258.
Sardine factory wastes, analyses and feeding value, (39) 70.
                                                                                                                                                                                                                       351.
Sayornis spp., feeding habits, (28) 57.
Say's blister heetle, notes, (34) 752.
Scabies—see also Mange and specific animals.
control in Kentucky, (39) 679.
in horses and sheep, notes, (26) 373.
in sheep, treatment, (26) 587.
investigations, (31) 177.
notes, (40) 183, 778.
provalence in Prussia, (27) 181.
                                                                                                                                                                                                                         Scale-
  (39) 70.
Sardines-
                                                                                                                                                                                                                                        black, see Black scale.
                                                                                                                                                                                                                                        flat, notes, (27) 155.
                  American, packing, (28) 358.
ammonia and amins in, (40) 411.
autodigestion experiments, (28) 66.
                                                                                                                                                                                                                                        fungus, new, description, (39) 52.
insect diseases, (30) 55.
insect eggs, action of cyanid gas on, (32) 245.
```

```
Scale-Continued.
                                                                                                                                                                                                                Schenkia tenthredinarum n.sp., description, (34)
               insects
                              ets—
African, descriptions, (27) 358.
catalogue, (28) 754.
control, (37) 574.
control by natural enemies, (35) 254.
destruction by Chilocorus similis, (29) 258.
destruction by fung, (28) 556.
dispersion by wind, (36) 55.
cgs as affected by hydrocyanic acid gas, (33) 855.
                                                                                                                                                                                                                Schinopsis spp, studies, (36) 745.
Schistocephalus dimorphus, description, (26) 561.
                                                                                                                                                                                                                Schistocerca—
americana, control, (39) 863.
americana on sugar cane, (40) 57.
capallens, destruction, (27) 357.
pallens, bacterial epizootic of, (26) 247.
paranensis in Trinidad, (35) 433.
paranensis, notes, (28) 732; (34) 854.
paranensis, potasite of, (29) 354.
perguna, control in Algeria, (36) 356; (37) 461.
tartaica faken at sea, (40) 649.
venusta, iemedies, (36) 55.
Schistoceros hamatus, see Apple twig borer.
Schistosoma Japonicum, cercaria of, (40) 554.
Schizantius anthraenose, studies, (26) 56.
Schizaspis lobata, parasite of, (39) 566.
Schizaspis lobata, parasite of, (39) 566.
Schizocerophaga leibyi n.g. and n.sp., description, (36) 554.
                                                                                                                                                                                                                Schistocerca-
                               (33) 855. fungul parasites of, (33) 558. fungus parasites of, (28) 453, 752; (30) 455. in British Guiana, (31) 454. Colorado, notos, (40) 161. Florida, (38) 562. German East Africa, (30) 754. Hawaii, (34) 59. Indiana, (31) 452; (35) 461. Missouri, (37) 760; (38) 653. South Carolina, notes, (29) 53. ests. Injurious to—
                                                                                                                                                                                                                  (36) 554. Schizomycetes, nomenclature and classification, (39) 124.
                   nsects, injurious to—
citrus fruits, (29) 654.
coffee, (36) 354.
limes, remedies, (31) 58.
mangoes, (26) 553.
oranges, (27) 455.
                                                                                                                                                                                                                  (39) 124.
Schizonetura—see also E110soma.
americana, studies, (34) 161.
corni, notes, (37) 278.
rlleyi, notes, (27) 658.
spp. in Colorado, (33) 857.
spp., notes, (27) 555; (30) 850.
Schizonotus sieboldii, biology, (40) 649.
                 insects-
                                Insect parasites of, (28) 452.
monograph, (35) 256.
new, of Japan, (37) 358.
notes, (26) 556; (27) 357, 860; (28) 854; (32) 448, 550.
                                                                                                                                                                                                                   Schizophyllum-
                                                                                                                                                                                                                                 alneum on sugar cane, (40) 157.
                                 448, 550, on citrus fruit, (39) 161, 463. on lime trees, destruction, (28) 534. parasitism in California, (26) 863, preparation for microscopical study, (32) 57. remedies, (26) 561; (27) 357, 857; (29) 262; (39) 225, 763.
                                                                                                                                                                                                                                 commune
                                                                                                                                                                                                                  commune—fruit bodies of, vitality, (30) 350.
notes, (28) 144; (28) 551; (37) 555; (38) 51.
relation to apple collar rot, (34) 157.
sp., notes, (26) 57.
Schizosaccharomyces pombe, symblosis by, (29) 714.
Schizotetranychus latitarsus n.sp., description, (38)
                  resistance to furnigation, (36) 154. studies, (28) 754. table for separation, (29) 251. treatise, (28) 556. young, locomotion, (26) 149. "longulus" or soft gray, notes, (28) 452; (30) 252. oblong, notes, (36) 355. pest, oriental, notes, (27) 255. red, Florida, notes, (27) 455. red, notes, (29) 654. red, on olive, (38) 157. red, parasite of, importation into California, (30) 753. red, studies, (26) 553.
                                                                                                                                                                                                                   Schizotrypanum—
cruzi, notes, (34) 580.
cruzi, occurrence in Bahia, (26) 755.
validity as a genus, (28) 180.
                                                                                                                                                                                                                    Schizura-
                                                                                                                                                                                                                    concinna, see Apple caterpillar, red-humped.
ipomene in Louislana. (37) 564.
Soblechtendalla chinensis, life history, (26) 60, 655.
Schleesing, J. J. T., biographical sketch, (40) 800.
                                                                                                                                                                                                                                 pappophoroides, analyses and digestibility, (27) 871.
                                                                                                                                                                                                                    Schmidtia-
                   (30) 753. rufus, notes, (28) 553. rufus, notes, (27) 357. sourty, see Sourty scale. soft, notes, (28) 555; (28) 854; (34) 652. soft, parasites of, (29) 654. yellow, notes, (27) 857; (29) 654. yellow, notes, (28) 553.
                                                                                                                                                                                                                     spp., analyses and digestibility, (32) 167.
Schoenobinae, North American, notes, (37) 564.
                                                                                                                                                                                                                     Schoenobius-
                                                                                                                                                                                                                                  bipunctifer, notes, (33) 856; (35) 58, 659; (38) 257. incertellus, studies, (40) 167.
                                                                                                                                                                                                                     School-
                                                                                                                                                                                                                                    and home gardening, (39) 396, 497; (40) 493, 898.
                                                                                                                                                                                                                                  and home gardening, (30) 396, 497; (40) 493, 898. and home gardening—course for Philippines, (40) 898. in San Francisco, (40) 294. boys for farm work, (38) 599; (39) 597, 693. building, community, at Wheaton, Minnesota, (37) 793. buildings, plans and specifications, (30) 390. children.
                     Argentine, new, (40) 61. formation on chicks' feet, (31) 369.
      Scallops-
                      creatin and creatinin content, (31) 760.
     creatin and creatinin content, (31) 760.
culture, (27) 472.
cusmination, (31) 64; (32) 854; (38) 159.
handling and marketing, (31) 63.
sewage polluted, danger from (27) 866.
Scalopus aquaticus, notes, (31) 154.
Scambus ophialtoides n.sp., description, (38) 565.
Scambus evertivorus n.sp., description, (34) 456.
Scapteriscus—
didactorius see Mola cricket.
                                                                                                                                                                                                                                    children-
                                                                                                                                                                                                                                                   dren—
breakfasts for, (31) 557.
examination, (29) 297.
feeding, (26) 763; (27) 269, 270; (28) 664; (29)
464, 465; (31) 261, 463, 494; (32) 358; (35)
       Scapteriscus—
didactyrus, see Mole cricket.
vicinus, see Mole cricket, West Indian.
Scaptomyza flaveola, parasite of, (29) 359.
Scarabaeid larvae, rearing, (33) 256.
Scarabaeidae, notes, (26) 60.
Scarabaeus hemipterus, notes, (34) 454.
Scarifiers, motor, notes, (31) 188.
                                                                                                                                                                                                                                                   feeding in Philadelphia, (30) 167. feeding, necessity for supervision of, (33)
                                                                                                                                                                                                                                                   261, feeding, treatise, (29) 162; (38) 864. food charts for, (31) 557; in Kentucky, farm work by, (38) 193. in Munich, nourishment, (27) 65. lunches for, (27) 665. malnutrition in, (29) 665. medical inspection, (27) 665. medical inspection and nutrition of, (32) 458.
       Fever, relation to milk supply, (28) 674.
runner, bud variation in, (35) 329.
Scatophaga stercoraria, habits, (80) 554.
Scatopsidae, notes, (35) 485.
        Scarlet-
         scenco—
n.spp., descriptions, (29) 562.
semisanguinens n.sp., description, (31) 554.
Scenery preservation in New Zealand, (26) 542.
Schardinger's ensym, studies, (25) 310.
Schedius kuvanae, notes, (27) 455.
                                                                                                                                                                                                                                                    nutrition of, (34) 561.
nutritional index for, (32) 256.
of Antwerp, nutrition coefficient, (29) 364.
out-of-school work, (38) 192.
```

School—Continued.	School—Continued.
children—continued. public feeding, (33) 364.	gardens—continued. potentiality, (27) 596.
weight and stature of, (36) 264.	preparation and management, (29) 495.
cottage and gardens, model, (28) 491.	relation to classroom work, (34) 92, relation to home gardens, (35) 199.
credit for— boys' and girls' club work and extension	rôle in education, (27) 298.
activities, (36) 293	suggestions to teachers, (32) 493.
home practice in agriculture, (35) 694. out-of-school work, (33) 95, 195, 507, 799, 897.	survival of, (31) 195. teachers' training school, (38) 297.
curriculum, change of stress in, (36) 393.	texthoos, (20) 792; (35) 594; (30) 693; (37)
demonstration fields, notes, (31) 793.	295; (39) 498.
dietitian, training, (27) 270; (32) 458. districts, consolidation, (29) 597.	value in botany course, (38) 795. grounds—
districts, rural, social surveys of (32) 289.	beautifying, (28) 193, 694.
exhibits	improvement, (29) 598; (30) 645; (33) 599. planning and adorning, (31) 396.
and contests, outlines for ,(34) 493. preparation, (32) 596.	planting of trees on, (28) 897.
suggestions for, (32) 597.	planting of trees on, (28) 897. Harlem (Ill.) Consolidated, notes, (31) 597.
fair exhibits, receptacles for, (40) 96. fairs, county, in Virginia, (27) 396; (29) 599.	hygiene, papers on, (32) 457. hygiene, treatise, (30) 790.
fairs in Canada, (35) 594; (36) 897; (38) 795.	inspectors and rural science, (37) 892.
farms—	kitchen textbook, (40) 899. laboratories, agricultural collections for, (33)
in New York City, (31) 297. laying out and planting, (32) 692.	899.
management, (33) 195.	life, effect on nutrition and health, (31) 557.
organization, (36) 896. use of, (35) 795.	lunch rooms, administration and equipment,
flower gardens in India, (36) 395.	lunches-
for colonial science in Germany, (27) 395.	as home economics project in Chicago, (38)
Garden Association of America, (27) 195; (29) 296; (31) 598; (33) 599; (35) 199.	196. bibliography, (38) 167.
garden—	bibliography, (38) 167. in Gary, Indiana, (31) 360.
clubs, (39) 397.	London, (33) 261. Manila, (31) 166.
for women at Glynde, Sussex, (35) 643. movement, practical aid to, (27) 298.	New York City, (33) 261.
woodiawn, description, (31) 393.	Philadelphia, (31) 660.
gardening—see also Gardening. as factor in education, (28) 598, 599; (36) 94. at University of Utah, (26) 193.	Trieste, (28) 566. Vienna, (32) 857. notes, (29) 267; (32) 358, 458, 692.
at University of Utah, (26) 193.	notes, (29) 267; (32) 358, 458, 692.
bibliography, (29) 296.	plans for serving, (38) 599. preparation, (34) 861; (36) 562, 598; (37),64,
Hawaii. (26) 296.	796.
bibliography, (29) 296. in Germany, (29) 598. Hawaii, (26) 296. Ireland, (36) 292.	preparation and serving, (29) 464, 465. suggestions for, (34) 257, 661; (35) 861. restourants, notes, (32) 467. rooms, humidification, (37) 807.
Les Argeles, (40) 197. Philippines, (34) 795; (36) 292. Trenton, New Jersey, (34) 899. manual and bibliography, (31) 395. notes, (38) 193. review, (38) 297. survival of, (31) 97. textbook, (30) 498, 598. treatise, (40) 296.	suggestions for, (34) 207, 001; (30) 501.
Trenton, New Jersey, (34) 899.	rooms, humidification, (37) 807.
manual and bibliography, (31) 395.	Samuation, notes, (50) 402.
review, (38) 297,	sanitation, paper on, (29) 465. Schools—
survival of, (31) 97.	agricultural, see Agricultural schools. agriculture in, (38) 93. as community centers, (37) 593, 793.
textbook, (30) 496, 598. treatise, (40) 296.	agriculture in, (38) 93.
Pardans—	as social centers, (31) 297. Babcock test in, (26) 398. barrio, in Philippines, (35) 706.
bibliography, (32) 839. care during summer vacation, (34) 93. discussion, (29) 399. financial gains from, (32) 692.	Babcock test in, (26) 393.
discussion, (29) 399.	beautifying. (26) 493.
financial gains from, (32) 692.	beautifying, (26) 493. common, scientific farming in, (30) 92.
formation, (26) 597. guide, (29) 598.	continuation— cooking lessons in. (33) 792.
	cooking lessons in, (33) 792. hortleulture in, (28) 795. in Scotland, (27) 195. notes, (31) 599.
California, (27) 390. Canada, (32) 896; (35) 594, 695; (36) 895; (37) 93, 293; (38) 795.	in Scotland, (27) 195.
(37) 93, 293; (38) 795.	Com Day, annual ler, (31) 298.
Ceylon, (26) 598.	correlation with home needs, (29) 362.
Cleveland, (29) 898. Denmark, (29) 495; (35) 194; (37) 793. Idaho, (30) 898.	county training, in Alabama, (36) 94. diet and hygiene in, treatise, (29) 363.
Idaho, (30) 898.	diet, cooking, and hygiens in, (31) 261.
Ireland, (38) 898. Los Angeles. (28) 491.	elementary— agricultural course for, (26) 392; (27) 897.
Los Angeles, (28) 491. Memphis, Tennessee, (29) 494.	agriculture in, (26) 191, 296; (28) 297, 298, 691; (29) 91, 99, 394; (32) 290, 596, 795; (38)
Nebraska, (28) 93.	691; (29) 91, 99, 394; (32) 290, 596, 795; (38) 696; (34) 395, 794, 899; (35) 896; (37)
Nova Scotia, (32) 794; (36) 193. Ontario, (28) 491; (32) 692. Philippines, (33) 595, 799.	295.
Philippines, (33) 595, 799.	gardening in, (26) 597.
Portland, Oregon, (32) 492, 899. Quebec, (32) 794; (36) 793.	home economics in, (38) 696; (34) 395; (36) 598.
Saginaw, Michigan, (31) 195. St. Paul, Minnesots, (31) 597.	manual training in, (29) 297.
St. Paul, Minnesota, (31) 597. Scotland, (31) 495.	nature study in, (29) 394; (31) 194; (33) 298,
Worcester, Massachusetts, (27) 396.	790; (34) 794. relation to rural problems, (33) 898.
Indian, in eastern Oklahoma, (32) 899.	rural, home economics for, (38) 94.
notes, (26) 795; (27) 898; (28) 91, 193, 394, 795.	standardization in Ohio, (33) 789. entomological collection for, (29) 395.
799; (30) 394, 645; (31) 394, 494, 499, 693;	erosion model for, (27) 797.
(32) 289, 492, 496, 693; (83) 95, 296, 396, 598, 599, 897; (34) 795; (85) 797; (86) 205 504	extension, for teachers, (27) 195; (32) 492.
892: (37) 95, 395, 598, 795	
132, 61, 61, 60, 60, 100, 100,	farm life, in North Carolina, (32) 895; (36) 596.
Scotland, (31) 495. Worcester, Massachusetts, (27) 396. Indian, in eastern Oklahoma, (32) 899. model, at Paris exposition, (29) 494. notes, (26) 795; (27) 898; (28) 91, 193, 394, 795, 799; (30) 394, 645; (31) 394, 494, 499, 693; (32) 289, 492, 495, 693; (33) 95, 296, 396, 598, 599, 897; (34) 795; (35) 797; (38) 395, 594, 692; (37) 95, 395, 598, 795. of the future, (35) 199. planning, (32) 596; (37) 295, 296.	farm crop exhibit for, (29) 93. farm life, in North Carolina, (32) 895; (38) 596- folk high, in Denmark, (32) 492, 493: forestry arithmetic for, (33) 496.

Schools—Continued.	Schools—Continued.
forestry in, (31) 792. from the farmer's standpoint, (26) 299.	rural— agricultural booklets for (33) 397
garden work in, (26) 95.	agricultural course for, (29) 192; (30) 393, 394.
graded, agriculture in, (31) 298; (33) 597.	agricultural extension work in, (29) 899.
graded, nature study in, (36) 395. high, agricultural—	599, (28) 90, 193, 492, 693, 897; (29) 92, 695;
clubs in, (30) 794; (31) 96. courses for, (28) 898; (29) 91; (30) 196, 393,	agricultural booklets for, (33) 397. agricultural course for, (29) 192; (30) 393, 394. agricultural extension work in, (29) 899. agriculture in, (26) 191, 295, 596, 697; (27) 509, (25) 90, 193, 492, 693, 897; (29) 92, 695; (30) 795; (31) 295; (32) 691, 897; (33) 85, 597; (34) 92, 693; (35) 395; (36) 596. and country life, treatise, (28) 692. art and hand work in, (30) 462. as social centers. (29) 91, 465.
496, 597.	and country life, treatise, (28) 692.
engineering in, (35) 94. extension in, (29) 298; (32) 496; (33) 799; (35)	art and hand work in, (30) 462.
92; (36) 293.	betterment, (30) 298; (32) 689.
high-	bibliography, (32) 389. conveniences for, (37) 696. corn lessons for, (39) 299.
agriculture in, (26) 190, 191, 192, 390, 697; (27) 296, 297, 491, 596, 896; (28) 391; (29)	corn lessons for, (39) 299.
	correlation of industrial and academic subjects, (27) 393.
592, 896; (32) 492, 595, 690; (33) 94, 195, 595, 798, 897; (34) 395, 692, 793, 897, 898;	cotton lessons for, (34) 293.
692, 896; (32) 492, 595, 690; (33) 94, 195, 595, 798, 897; (34) 395, 692, 793, 897, 898; (36) 495, 594, 691, 692, 895; (37) 194, 494. animal husbandry in, (34) 195. applied botany in, (32) 298.	defects, (29) 91. evercises with plants and animals, (34) 292.
animal husbandry in, (34) 195. applied botany in, (28) 298.	fans in Canada, (38) 795.
biological coulde for, (26) 51.	farm handicraft for, (37) 699. for city boys, (27) 896.
conference in Illinois, (37) 93. cookery in, (35) 897.	handbook, (29) 494
cooperation with colleges of agriculture,	rural high— address on, (31) 498.
(26) 296. entomology in, (31) 395.	as community centers, (31) 493.
farm mechanics in, (28) 91.	community spirit in, (33) 194. community work in, (28) 692.
farm mechanics in. (28) 91. fruit growing in. (33) 398. gardening course for. (29) 193.	in New Hampshire, (31) 692. possibilities. (32) 689.
general science course for, (30) 898.	possibilities. (32) 689. readjustment, (28) 391.
home economics in, (29) 792; (31) 297; (32)	rural—
general science course for, (30) 898. home economics in, (29) 792; (31) 297; (32) 494; (33) 94; (34) 395; (35) 898; (36) 594. in Denmark, (35) 695.	home economics in, (28) 694; (32) 897. hot lunches in. (29) 465; (30) 462.
laboratory exercises for, (33) 494. lunches in, (32) 458.	housekeeping and sanitation in, (31) 791. hygiene of, (32) 190.
moor culture in, (33) 791. of Minnesota, agriculture in, (26) 391.	hygiene of, (32) 190. improvement, (28) 90; (29) 91; (30) 93, 496,
of Minnesota, agriculture in, (26) 391. out-of-school work in, (34) 93.	
poultry instruction in. (36) 794.	in Denmark, (32) 794. Denmark, treatise (34) 198
rural relations, (39) 298. science and agriculture in, (30) 897.	Kansas, (33) 694.
state aid in Arizona, (28) 799.	Minnesota, (34) 195. Ontario, (32) 896: (34) 196.
state aid in Nebraska, (29) 99. supervised farm work in, (28) 492.	South Carolina, (28) 391.
home economics instruction in, (32) 495.	694; (32) 794. in Denmark, (32) 794. Denmark, treatise, (34) 196. Kansas, (38) 694. Minnesota, (34) 195. Ontario, (32) 896; (34) 196. South Carolina, (28) 391. Wisconsin, (28) 390; (32) 691; (36) 592. industrial club work in, (31) 297. industrial club work in, (31) 297.
home project work for, (36) 896.	AMAGEMON (21) 101.
hotbeds for, (27) 491. housekeeping, in Norway, (29) 597.	insect specimens, etc., for, (31) 792. lunches for, (32) 692.
itinerant dairy, of Ardeche, (28) 297. Knapp Agricultural Day program for, (32) 496.	manual training in, (34) 395; (36) 96.
nature study collections for. (30) 696.	material supplied to, (33) 792. nature study exhibits by, (31) 899.
negro, agriculture in, (38) 92.	nature study in. (31) 193; (33) 95.
negro, agriculture in, (38) 92. negro rural, practical training in, (32) 289. nonflush chemical closet for, (38) 84. normal, agriculture in, (20) 497.	needs of. (36) 194. notes, (27) 897.
normal, agriculture in, (26) 497.	organization and management, (34) 292.
normal, state aid in Arizona, (28) 799. normal, training of rural teachers in, (32) 690.	papers on, (27) 793; (37) 892; (40) 895, pork production lessons for, (39) 298.
of California, cooperation with College of Agri-	poultry lessons for, (36) 597.
of California, cooperation with College of Agri- culture, (26) 192. Illinois, Winnebago County, (27) 394; (29)	redirection, (28) 792. relation to agricultural teaching, (31) 194.
91. Indiana, Hamilton County, (29) 394.	relation to social survey, (40) 896. relation to the home and farm, (32) 492.
Minnesota, regulations and laws concerning,	sanitation (38) 892
(27) 194. Ontario, agriculture in, (28) 391.	soil study in, (32) 494. studies, (28) 297. studies, (28) 298.
tomorrow, (35) 795. patrons' meetings, (26) 394.	treatise, (30) 392; (32) 391.
people's high, in Denmark, (30) 93.	secondary— agriculture in. (26) 191, 192, 498, 898; (27)
nublia	secondary— secondary— agriculture in, (26) 191, 192, 498, 898; (27) 490; (28) 693; (29) 99, 399; (30) 99; (31) 96; (32) 897; (33) 798; (34) 491, 693, 793; (36) 691; (37) 392, 395. curricula of, (38) 896.
agriculture in, (26) 299, 898; (27) 94; (31) 494,	(32) 891; (33) 798; (34) 491, 693, 795; (86) 691: (37) 392, 395.
896; (32) 392, 493, 596, 897; (33) 597, 791, 798, 897; (37) 192, 494, 893.	curricula of, (33) 896.
arbor and good roads days in, (30) 696. cooperation with colleges of agriculture, (26)	extension work in, (31) 799.
296.	tarin internance in, (20) 000.
entomology in, (35) 897; (37) 459. forestry in, (30) 394.	judging of horses in, (36) 597. nature study in, (31) 87
gardening in. (31) 896.	poultry husbandry in, (37) 394.
home economics in, (32) 897; (33) 792; (37) 494.	sewage disposal for, (37) 884. spring laboratory methods for, (27) 196.
in Alaska, (37) 393.	state normal, and agricultural colleges, relation,
in Philippines, (36) 292. industrial education in, (28) 15; (32) 595.	(31) 896. use of land in connection with agricultural
nathra stiidy in. (2/) 694. (61) 495. (62) 496.	teaching, (32) 896.
relation to community life, (27) 898. specimen or supply cabinets in, (26) 596.	ventilation, (30) 790. vocational, see Vocational schools.
vocational courses in. (27) 694.	weed collections for, (31) 599.

Schools-Continued.	Sclerotinia-
window gardening for, (29) 898.	ciborioides or S. trifoliorum, description, (36)
winter, (36) 498. winter, for farmers, (36) 396.	47. eineiea—
Schreckensteinia festaliella in Wisconsin (38) 155.	and S. fruetigena, relationship, (29) 848.
Schumann rays, effect on protoplasm, (33) 224.	apothecial stage, (32) 49.
Sciaphobus squalidus, studies, (31) 853.	as affected by cold, (31) 538.
Sciena—	enzyms of, (10) 715.
coprophila injurious to potted plants, (36) 460. revision, (40) 858.	in Minnesota, (31) 415 in northern Vermont, (35) 849.
sciophila, notes, (28) 858.	investigations, (35) 219
sp., dipterous parasite of, (34) 553.	notes, (28) 214, 113; (35) 351; (38) 550; (39)
spp., notes, (27) 657, (28) 156.	652.
trifold n.sp., description, (40) 168 tritici injurious to Primula seedlings, (37) 762.	studies, (31) 749, 813. temperature relations, (36) 649.
Beiasma frontalis n.sp., description, (37) 763.	diseases, studies, (10) 49.
Science-	fagopyri n.sp., description, (38) 648.
adjustment to practice, (36) 2.	fructigena—
and agriculture in high schools, (30) 897. and common sense, antagonism between, (34)	and S. cinerea, comparison, (30) 352, notes, (32) 241; (34) 241; (35) 248; (36) 348,
401.	750; (37) 457.
and industry institute in Australia, (38) 796.	studies, (29) 848.
courses, elementary, (32) 690.	transmission by tree crickets, (34) 653.
elementary, treatise, (26) 296.	treatment, (32) 148.
first year, laboratory manual, (28) 298. for beginners, textbook, (39) 597.	fuckeliana— and S. libertiana, relationship, (28) 848.
in secondary education, (26) 296.	notes, (26) 852; (28) 847; (31) 646.
organization for research, (39) 603.	relation to Botrytis, (39) 250.
yearbook, (34) 494.	treatment, (30) 651.
Scientific— activity as a national asset, (39) 101.	geranii n.sp., description, (40) 249. injurious to plants, (26) 343.
papers, essentials of, (30) 403.	***
Research Association in Great Britain, (40) 500.	description, (29) 450.
Society of Brünn, proceedings, (28) 530. Soilla rigidifolia fiber, tests, (31) 526.	description and treatment, (29) 846.
Scions— (31) 020.	notes, (26) 649; (28) 242; (29) 243, 650, 751, 753; (31) 747; (37) 550, 552, 749; (38) 545.
and stocks, antagonism of, (31) 740.	753; (31) 747; (37) 550, 552, 749; (38) 545.
as affected by stock, (27) 540; (28) 541.	on colory in storage, (31) 447
transmission of variegation to stocks, (26) 529.	parsley, (35) 847.
Sciopithes obscurus, notes, (32) 651	collards, (37) 48. parsley, (35) 847. poonies, (33) 56.
Sciopteron regale, notes, (30) 252. Scirpophaga intacta, notes, (34) 758.	
Scirpophaga sericea, notes, (35) 58.	snap beans, (36) 647. sweet pens, (32) 446.
Scirpus—	relation to damping-off of truck crops, (35
americanus, analyses, (29) 270.	844.
lacustris as a litter for cows, (35) 175. lacustris, fertilizing value, (38) 520.	studies, (26) 448, 647; (34) 749; (36) 251, 751; (37) 155.
sylvaticus, nematodes affecting, (30) 746.	malin.sp., description, (36) 148.
Scirrhia bambusae n.sp., description, (36) 251.	matthiolae n.sp., description, (38) 850. matthiolae n.sp., studies, (39) 850.
Scirtothrips citri, studies, (38) 763. Sciurus—	matthiolae n.sp., studies, (39) 850.
griseus, destruction of conifer seed by, (31) 154.	n.sp., description, (29) 548.
hudsonicus richardsoni, host of spotted fever	opuntinrum, notes, (34) 543. panacis n.sp., description, (27) 247.
fick, (26) 61. Scleroderma—	panacis, notes, (34) 244.
duarteanum n.sp., description, (31) 62.	perplexa n.sp., description, (28) 346.
immigrans n.sp., description, (10) 266.	sclerotiorum— notes, (27) 446; (31) 539; (40) 847.
vulgare n.sp., description, (31) 127.	notes, (27) 446; (31) 539; (40) 847, studies, (34) 443; (37) 350.
Seleroderris livida, notes, (26) 852. Selerophylls, transpiration in, (27) 522.	treatment, (32) 239. sp., notes, (30) 159.
Seleroplea aurantiorum n.sp., description, (27) 50.	sp., noics, (30) 159.
Seleropyenis abietina –	sp. on alfalfa, (34) 643. sp., relation to potato stom lesions, (39) 649.
n.g. and n.sp., description, (27) 46. notes, (28) 750.	spp., fundamental nutrition, (40) 745.
Scleropyenium aureum n.g and n.sp., description,	spp., notes, (29) 243, 549, 646.
(30) 248.	spp. on ginseng, (84) 350.
Sclerosis, diffuse, in horses in India, (38) 287.	trifoliorum— description and treatment, (39) 754.
Sclerospora—	forms and behavior, (36) 246.
gramineola, cospore parasite of, (31) 641.	forms and behavior, (38) 246. in Bohemia, (35) 650.
gramiucola, studies, (31) 51. macrospora in France, (34) 243.	investigations, (38) 850. notes, (32) 52, 160, 545, 847; (29) 150, 446, 447, 845; (32) 543; (36) 748; (39) 52. rolation to clover sickness, (34) 541; (36) 348.
macrospora in France, (34) 243. macrospora, notes, (28) 647; (35) 49, 150.	NOTES, (28) 52, 150, 545, 847; (29) 150, 440,
macrospora on maize, (39) 753.	relation to clover sickness. (34) 541; (36) 348.
maydis, description and treatment, (31) 51. maydis quarantine in United States, (36) 245.	Sclerotium-
sp., notes, (30) 845.	associated with Rhizoctonia on potatoes, (31
Sclerostome—	845.
parasites of horses, (35) 785; (37) 280.	bataticola— description, (32) 51.
parasites of horses in England, (36) 280.	n.sp., description, (30) 150.
Science as cause of debility, (39) 892.	on peppers,
Scierostomum—	studies, (34) 156; (39) 854; (40) 347. cepivorum, studies, (35) 547.
bidentatum, life history, (29) 783. bidentatum, studies, (37) 82.	disease of coffee, (40) 252.
equinum, dissemination by flies, (30) 659.	omnivorum n.sp., description, (33) 647.
spp., affecting mules, (28) 82.	omnivorum n.sp., description, (33) 647. on lawn grasses, (39) 753. oryzae, notes, (31) 641; (34) 49; (36) 448.
spp., anatomy and biology, (28) 887, spp., embryology, (30) 555.	oryzae, notes, (31) 641; (34) 49; (36) 448.
-2-1	oryzae, studies, (30) 244, 540, 845

```
Scierotium—Continued.
rhizodes, notes, (31) 641.
rhizodes, studies, (26) 646; (27) 150.
                                                                                                                                                                                                                                           Scotia saturniae, parasitic on gipsy moth, (31) 652.
                                                                                                                                                                                                                                                          Agricultural Organization Society, report, (31)
                 rolfsii-
                                                                                                                                                                                                                                          788.
Station for Testing and Registration of Agri-
cultural Plants, (40) 700.
Scottsbluff Experiment Farm, report, (40) 493.
Scours in calves, treatment, (26) 183.
Scovell, M. A., biographical sketch, (27) 401; (34)
                                 description and treatment, (30) 50. notes, (29) 243; (35) 750; (39) 56, 852. on citrus seedlings, (39) 56.
                 on citrus seedlings, (39) 56.
fig, (39) 757.
grapefruit, (36) 452.
sugar cane, (38) 851; (40) 157.
sweet potatoes, (36) 451.
wheat, (39) 852.
resistance of peanuts to, (38) 851.
studies, (32) 546; (35) 754; (37) 49, 247, 250.
(Sclerotinia) opuntiarum, notes, (34) 543.
sp. on Deanuts. (37) 452.
                                                                                                                                                                                                                                                  694
                                                                                                                                                                                                                                           Scrapie in sheep, (30) 783; (32) 276.
Scrapie, notes, (34) 382.
Screen wire cloth, durability, (39) 162.
                                                                                                                                                                                                                                           Screenings—
analyses, (28) 464; (29) 271, 367, 467; (30) 371; (31)
73, 366, 663; (32) 169; (33) 71, 870; (34) 169, 371,
663, 759; (36) 65, 167; (37) 471; (38) 370.
analyses and digestibility, (29) 366.
as adulterant in feeds, (30)
feeding value, (29) 866; (34) 663.
for poultry, (33) 763.
for sheep, (32) 770.
ground, analyses, (34) 665; (38) 67.
use in mixed feeds, (32) 770.
Screens, use in houses, (31) 787.
Screens, wood, transverse strength of, (30) 889.
Screw-worm—
                                                                                                                                                                                                                                           Screenings
sp. on peanuts, (37) 452.
tulipae, studies, (39) 653.
tuliparum, notes, (28) 851; (27) 851; (35) 51.
Scoleconetria coccicola, description, (33) 459.
 Scolecotrichum-
 caricae, notes, (29) 243.
graminis, hosts of, (37) 839.
heveae n. sp., notes, (37) 253.
sp. on Hevea, (39) 653.
Scolescosporium coryli n.sp., description, (37) 748.
 Scolia—
manilae in Hawaii, (40) 854.
spp., importation into Mauritius, (39) 869.
Scolinae of North America, (28) 858.
Scolopendrella immaculata, notes, (28) 854.
Scolothrips sexmaculatus—
notes, (28) 457.
parasitic on red spider, (32) 157.
                                                                                                                                                                                                                                            Screw-worm-
                                                                                                                                                                                                                                           fly in Hawaii, (40) 263.
fly in Panama, (39) 661.
fly, new generic name, (34) 756.
life history and remedies, (38) 160.
notes, (26) 781; (29) 454.
relation to myiasis aurium, (31) 777.
Scrubber for ammonia distillation, (40) 806.
  Scolytid beetles-
                  characteristics, (30) 554.
of Oregon, (37) 666.
                                                                                                                                                                                                                                            Scudderia furcata—
notes, (33) 58.
studies, (33) 451.
  Scolytidae
                  feeding habits, (26) 151.
identification, (29) 859.
                                                                                                                                                                                                                                             Scurfy
  key, (30) 65.
key, (30) 65.
new species, descriptions, (26) 253.
notes, (26) 759.
Scolytoid beetles, studies, (32) 758.
Scolytoidea—
                                                                                                                                                                                                                                                            ny—
bark louse, see Scurfy scale.
scale, notes, (26) 763; (28) 156, 353; (29) 251; (31)
60; (34) 752; (35) 256.
scale on Norway maple, (33) 858.
                                                                                                                                                                                                                                                            rry—
experimental, in guinea pigs, (36) 62, 363.
in guinea pigs, etiology, (27) 567.
in Zhob, Baluchistan, (36) 563.
infantile, relation to milk, (30) 561.
infantile, studies, (27) 568; (40) 363, 566.
infantile, treatment, (40) 569.
metabolism of, in an adult, (28) 568.
notes, (40) 565.
roletion to diet (27) 567; (30) 367, 764.
                    monograph, (32) 658, 758.
studies, (32) 658.
  Scolytus—
amygdali, notes, (36) 754.
multistriatus, notes, (27) 255; (28) 57.
multistriatus, studies, (27) 658.
quadrispinosus, notes, (28) 856; (28) 158; (30) 655, 656; (32) 550; (33) 58, 252; (34) 138; (40) 170 quadrispinosus, remedies, (26) 560; (29) 457.
rugulosus, see Snot-hole boror.
spp., notes, (30) 455; (36) 754.
unispinosus, studies, (39) 65.
ScoOp wheel, construction and operation, (27) 687.
Scopeacthrips unicolor n. g. and n.sp., description, (27) 454.
Scopelosoma tristigmata, notes, (32) 556.
Score card—
    Scolytus-
                                                                                                                                                                                                                                                             notes, (40) 565.
relation to diet, (27) 567; (30) 367, 764; (31) 761; (33) 268, 563.
review of investigations, (36) 363.
similarity to zeism, (31) 464.
sprouted grains for, (40) 565.
studies, (35) 666; (39) 365, 589, 770, 771; (40) 70, 172, 272, 273, 363, 364, 464, 566, 763, 868, 869.
summary and digest of data, (36) 161.
   Scopelosoma tristigmata, notes, (32) 556.
Score card—
as factor in judging dairy cows, (29) 577.
dairy, relation to milk quality, (33) 78.
for apples, (23) 492.
bread, (30) 859.
cheose, (26) 779.
corn, (26) 332; (28) 669.
creameries and cheese factories, (32) 889.
dairies, (30) 679.
dairy and beef cattle, (26) 493.
dairy farms, (28) 776; (33) 876.
farms, (28) 297.
food inspection, (29) 661.
fruits, (29) 40; (30) 41; (32) 141.
Kafir corn, (31) 832.
milk stores, (29) 776.
potate growing contests, (28) 899.
potates, (28) 43.
restaurants, (28) 661.
use in milk inspection, (26) 274.
Scorias capitata n.sp., description, (38) 648.
Scorpion venom, toxicity, (39) 886.
Scorpions, summary of information, (39) 768.
Scorzonera—
hispanica, accustoming silkworms to, (27)
                                                                                                                                                                                                                                               Scutellista-
      Score card-
                                                                                                                                                                                                                                              Scutienista—
cyanea, notes, (29) 359.
cyanea, parasitic on black scale, (28) 555.
gigantee n.sp., description, (38) 460.
Scutellum coffeanum, notes, (38) 51.
Scutigerella immaculsta, notes, (27) 655.
Scydmacuus chevalieri n.sp., notes, (30) 856.
                                                                                                                                                                                                                                                              bipunctatus in Philippines, (33) 562,
marginicollis, destructive to purple scale, (26)
                                                                                                                                                                                                                                                                notescens, life history, (29) 253.
sordidus, destructive to citrus plant lice, (26)
                                                                                                                                                                                                                                              755.
sp., life history, (33) 562.
spp. notes, (26) 149; (27) 656; (29) 261.
spp. parasitic on red spider, (32) 157.
spp., studies, (29) 355.
Scyphophorus acupunctatus, studies, (38) 62.
                                                                                                                                                                                                                                                Sea.
                                                                                                                                                                                                                                                              breeze on Long Island, (38) 209.
eel, serum of, (40) 880.
grass, analyses, (26) 324.
lettince, analyses, (37) 814.
mussels, food value, (26) 356.
mussels, utilization as food, (31) 356.
salt as fertilizer for beets, (26) 43.
urchin, canned, analyses, (36) 63.
      Scorzonera—
hispanica, accustoming silkworms to, (27) 456.
hispanica, betains in, (27) 203.
laginiata, appearance in South Australia, (38)
                               141.
```

Sea—Continued.	Seed—Continued.
water— as source of potash, (34) 327.	drill, hand, description, (28) 736. drill, test, (29) 893.
bittern, potash from, (39) 328. effect on concrete, (29) 686.	drille adiiisimont (28) 85
effect on nitrification of sewage, (26) 317.	drills, tests, (27) 387; (30) 292. examination, (29) 740; (31) 509.
use for irrigation, (33) 392. winds, effect on male inflorescences of pine, (38)	fairs in Canada, (33) 697. farms in India, report, (26) 232.
331.	formation and parthenocarpy in bananas, (31) 535.
Seals of Laysan Island, (27) 549. Seaside planting, treatise, (40) 447.	growers' association in Canada, (26) 839.
Seasonal correlations in the Far East, (85) 115; (37) 807.	harvester for clover, (39) 292. houses, fumigation, (20) 641.
Seasonings, analyses, (30) 257.	improvement associations in Sweden, (26) 486.
Seasonings, examination, (31) 656. Seasons—	industry in Germany, (36) 638. industry in New York, (34) 40.
forecasting, (37) 619.	inspection— and analyses, (35) 140.
growing, length of, (36) 418. limits of, (34) 14.	in Argentina, (37) 823. Arizona, (31) 155.
of Alaska, (39) 124, 125. Seaweed—	Canada, (30) 230.
analyses, (26) 324; (27) 327, 421; (35) 128, 163, 167, 327; (36) 120.	Colorado, (39) 343. Connecticut, (36) 39.
analyses and fertilizing value, (37) 814.	Denmark, (29) 433; (37) 742; (40) 832.
as feeding stuff, (35) 167. as fertilizer for potatoes, (38) 432.	England and Wales, (40) 339, 637. Germany, (28) 736.
as fertilizer for potatoes, (38) 432. as food material, (35) 163. biochemistry of, (29) 566.	Kentucky, (39) 443. Mane, (26) 838; (29) 144; (31) 43; (32) 833;
burning in Norway, (29) 517.	(32) 130, (30) 201, (31) 20, (33) 323, (20)
chemical analyses, (40) 725. composition and use, (26) 126.	443. Maryland, (26) 333; (36) 442; (37) 541; (39)
culture in Ireland, (33) 819. fertilizing value, (26) 324; (31) 517, 829; (38) 624;	343; (40) 535, 831. Michigan, (28) 836; (32) 635.
(40) 724.	Minnesota, (32) 635; (35) 642; (37) 446;
for packing birds, (32) 672. for potatoes, (33) 330.	(40) 338. Missouri, (38) 633.
for potatoes, (33) 330. industry in France, (31) 517.	Montana, (31) 633; (32) 740; (35) 835; (37)
mucılage, use against fruit pests, (32) 56. Philippine, use as food, (40) 557.	New Hampshire, (27) 536; (31) 139; (32)
Philippine, use as food, (40) 557. potash from, (26) 726; (27) 724; (28) 522; (29) 128; (33) 819; (34) 26, 327.	635; (34) 531; (36) 739; (39) 842. New Jersey. (31) 532; (34) 832; (36) 836;
uthization, (34) 298.	(37) 239, 645; (39) 842.
cereale, chromosome numbers in, (27) 636.	New York State, (29) 40; (31) 139; (32)
montanum, relation to cultivated rye, (32) 131. Sechium edule—	205; (34) 341; (36) 739; (39) 842. New Hampshire, (27) 536; (31) 139; (32) 635; (34) 531; (36) 739; (39) 842. New Jorsey, (31) 532; (34) 832; (36) 836; (37) 239, 645; (39) 842. New South Wales, (40) 638. New York State, (29) 40; (31) 139; (32) 741; (35) 740; (39) 541. Now Zealand, (37) 446. North Carolina, (27) 536; (29) 144; (31)
analyses, (31) 863.	Now Zealand, (37) 446. North Carolina, (27) 536; (29) 144; (31) 139; (33) 836; (38) 240; (40) 338, 443. North Dakota, (33) 138. Pennsylvania, (34) 143; (36) 739; (39) 238. Queensland, (40) 314, 415. Saxony, (32) 638. Vermont, (32) 741; (36) 534; (38) 441. Washington, (29) 266. Wisconsin, (34) 143. Zurich, Switzerland, (38) 538. introduction, relation to phytopathological
culture experiments, (30) 632. notes, (29) 461; (30) 532; (34) 835.	North Dakota, (33) 138.
Secodella n.spp., descriptions, (34) 363. Secretin, effect on circulating blood, (39) 285.	Pennsylvania, (34) 143; (36) 739; (39) 238.
Secretions, internal, treatise, (30) 380.	Saxony, (32) 689.
Sedge rusts— studies, (34) 744.	Washington, (29) 266.
taxonomy, (33) 130. Sedges—	Wisconsin, (34) 143. Zurich, Switzerland, (38) 538.
of Guam, (31) 467.	introduction, relation to phytopathological problems, (40) 343.
of Philippines, (33) 433. Sedimentation glass, description, (31) 811.	law in—
Sedoheptose, notes, (37) 502. Sedulothrips insolens in Trinidad, (40) 649.	Canada, (27) 643; (39) 744.
Sedum sieboldii as affected by radium, (28) 825	Colorado, (38) 140; (39) 238. Maryland, (29) 337; (32) 740; (40) 146.
seed— analyses, interpretation and use, (29) 143.	Massachusetts, need of, (28) 395. Michigan, (28) 836.
association in Sweden, (40) 823. bed frame, nursery, description, (35) 452.	New Hampshire, (27) 536; (29) 741; (31) 139; (39) 842.
bed frame, nursery, description, (35) 452. beds, preparation, (37) 227.	New Jersey, (28) 339; (31) 532; (35) 835. New York, (20) 40.
beds, sterilization, (38) 556. coats, permeability, (34) 626; (38) 126.	North Dakota, (30) 342.
coats, permeability, (34) 626; (38) 126. coats, semipermeability, (30) 132. collection, notes, (29) 242.	Oregon, (35) 471. Vermont, (32) 741.
control—	Wisconsin, (32) 635; (34) 143.
and plant breeding, (40) 245. in Switzerland, (29) 337.	Wyoming, (33) 138. law, notes, (29) 633.
measures in various countries, (39) 744.	law, uniform, proposed principles, (39) 239. oils, digestibility, (39) 571.
at Christiania, report, (28) 315.	"preparator," description, (27) 235, 739.
Lund, report, (28) 46.	production— detrimental conditions, (39) 841.
at Christiania, report, (28) 315. Graz, report, (28) 414. Lund, report, (28) 46. Rostock, (32) 833. Zurich, (32) 833.	in Sweden, (39) 644. in Switzerland, (40) 833.
Danish, report, (27) 39. control stations—	
in Europe, (31) 835. in Finland, report, (30) 599.	physiology of, (30) 433. proteins, nutritive values, (39) 665, 666.
in Finland, report, (30) 599. in Norway, (30) 194.	proteins, studies, (40) 69, 563. red clover, (40) 627. reports, (38) 343, 441, 639, 743, 841; (39) 38, 138 238, 348, 443, 644, 744; (40) 146, 245, 338, 535, 531 reserve material, effect on development of plants
corn maggot, see Phorbia fusciceps.	reports, (38) 343, 441, 639, 743, 841; (39) 38, 138
corn, storing under tropical conditions, (39) 738. demonstration tests in Alaska, (39) 125. determination of freshness and vitality, (26) 44.	205, 045, 445, 044, 144; (40) 146, 246, 565, 556, 551, 851 reserve material, effect on development of plants
determination of freshness and vitality, (26) 44.	(26) 729.

~ 0 - 0 - 2 0	2 22/22/2
Good Continued	
Seed—Continued.	Seeds-Continued.
rooms, heating to destroy insects, (38) 241.	dissemination by birds, (27) 549. distribution, (28) 46, 488; (33) 694; (36) 494; (39)
selection, (31) 226, 829. selection—	usundudon, (28) 46, 488; (33) 694; (36) 494; (39)
and testing, (36) 638.	139. distribution by occan currents (38) 195
based on transparency, (30) 233.	distribution by ocean currents, (38) 125. distribution in Canada, (28) 638.
new basis for, (29) 516.	dormancy in, (36) 330; (39) 225.
notes, (26) 141.	edible and oil-producing, in West Africa, (36)
setting by cultivated plants, (27) 329.	611.
supply of United States, (39) 443.	edible, of Guam, (28) 142.
tester, rag-doll, (39) 238. testing, (27) 95, 142, 491, 840; (31) 43, 835; (35) 93,	effect—
140; (39) 238, 847.	of drying on germination, (27) 201. of size on yield, (29) 632.
testing-	of soaking in water, (40) 727.
accuracy and uniformity of results in, (26)	of soaking in water, (40) 727. on size of fruit, (27) 231, 524.
200.	ensited, germination, (29) 741.
at Danish Seed Control Station, (35) 452.	exportation from Sweden, (26) 436.
international conference, (26) 44.	extracting establishment in Prussia, (27) 347.
key, (36) 338. methods, standardization, (31) 639.	factors affecting oil content, (32) 427. forest, effects of environment, (28) 543.
papers on, (39) 238.	forest, preservation experiments, (26) 51.
precipitin reaction, (28) 204; (29) 144.	formation as affected by light, (29) 526.
tests (36) 541	i formation of nyurocyanic acid in. (27) 132.
tests, variations in, (40) 145. treatment, (26) 539; (27) 132; (39) 238, 248, 353, 354, 363, 549, 851, 853.	fruit, hydrocyanic acid content, (27) 11. fumigating, (32) 650.
treatment, (26) 539; (27) 132; (39) 238, 248, 353,	itimigating, (32) 650.
treatment with broinin, (40) 443.	garden, disinfection and fumigation, (40) 638 garden, home production, (39) 444.
weight, relation to plant characteristics, (29) 522;	garden, saving, (38) 241.
(31) 824.	germ plasm, modifying, (39) 30.
weight, relation to plant mortality, (31) 35.	germinating-
Seeding—	as affected by electricity. (28) 732.
drill for nursery rows, (40) 228.	carbon dioxid separation in, (28) 728.
experiments, plat competition in, (39) 830.	electrical response, (38) 822.
fall, notes, (30) 197; (38) 95. machine for garden or nursery planting, (27)	energy transformations in, (36) 525.
191.	enzymatic peptolysis in, (32) 130. hydrocyanic acid in, (35) 332.
Seedlings-	pentosan content, (29) 525.
abnormal, notes, (30) 329; (36) 734.	power of (31) 624.
artificial nourishment, (27) 730.	respiration, (27) 729.
as affected by—	response to temperatures, (40) 222,
electrical discharges, (28) 326.	value, electrical tests, (36) 732.
narcotics, (31) 730. radium tays, (27) 630. damping-off, (37) 651. damping-off, treatment, (30) 846. fasciated, morphology and physiology, (27) 524. mounting in culture solutions, (31) 426. of trees and shrubs in France, (26) 642. phototropic responses in, (33) 29.	germination, (36) 338.
damping-off, (37) 651.	germination and purity tests, (27) 39, 643, 840, 841; (28) 434; (29) 741; (30) 141; (32) 231.
damping-off, treatment, (30) 846.	germination as affected by— acids, (29) 26; (30) 521. carbon bisulphid, (27) 633.
fasciated, morphology and physiology, (27) 524.	acids, (29) 26; (30) 521.
mounting in culture solutions, (31) 426.	carbon bisulphid, (27) 633.
of trees and surups in France, (20) 642.	carbon dioxid, (81) 521; (82) 328.
Seeds—	carbon dioxid, (31) 521; (32) 323. chlorids, (35) 423. color, (32) 144. data to the first (32) 427
abortive, position in pod. (40) 521.	depth of planting, (36) 437.
absorption of toxic salts by, (37) 527. Acadia, germination, (39) 226.	different substances, (29) 421.
Acacia, germination, (39) 226.	electricity, (27), 231.
9.011Gerstion, (35) 140: (38) 343,	electrolyte solutions, (29) 218.
after-ripening studies, (29) 527. analyses, (28) 739; (27) 39, 239, 342, 815; (28) 315,	fertilizers, (29) 327.
811; (29) 144; (32) 534; (35) 8.	frost and light, (35) 632.
and fruits, treatise, (27) 729.	green manure, (28) 816; (35) 24, 529. hot water and mechanical treatment, (29)
and leaves, dietary relationship, (37) 264.) 7 4 0.
apparatus for sterilizing, (26) 32.	hydrogen perovid, (29) 844.
as affected by— caffein, (27) 330.	light, (26) 820, 821; (28) 826; (29) 525, 526, 836; (30) 522, 531; (31) 222; (35) 222, 523;
electrical discharges, (28) 326.	(38) 127.
olectrical discharges, (28) 326. electrolytes, (33) 727; (35) 332.	manganese sulphate, (30) 332,
000 00S(GOD, (34) 134.	manganese sulphate, (30) 332. metallic compounds, (29) 528.
poisons, (29) 529. Roentgen rays, (34) 334. asepticizing, (28) 826; (29) 433. awned grass, abnormal germination, (30) 633. box abayestricitie, (30) 533	metallic salts, (39) 526. mucilage, (27) 427.
Roentgen rays, (34) 334.	mucliage, (27) 427.
amend grass chnormal germination (20) 633	naphthalin, (33) 523.
bent, characteristics, (39) 533.	nitrogenous products, (33) 825. Orwood, (28) 536. pressure, (35) 332. radioactivity, (29) 326; (30) 131. radium, (31) 821; (34) 626, 730.
bibliography, (29) 828. breeding and distributing by experiment stations, (26) 434.	pressure, (35) 332.
breeding and distributing by experiment sta-	radioactivity, (29) 326; (30) 131.
tions, (26) 434.	radium, (31) 821; (34) 626, 730.
buried, germination, (34) 832.	1 Ruenigen rays, (20) 120, (33) 430.
buried, vitality, (34) 732; (36) 330. catalase and oxidase content, (40) 222.	salt, (32) 223. salt concentration, (39) 732.
chemical treatment, (29) 326.	sulphuric acid, (27) 524; (29) 628.
cleaned. (39) 238.	superphosphate, (31) 729.
cleaning, (40) 40.	temperature, (26) 200, 821; (31) 222; (35) 222
cleaning and treating, (28) 536.	temperature, (26) 200, 821; (31) 222; (35) 222. thorium X, (29) 131. various solutions, (27) 330.
cleaning device, (39) 538. copper determination in, (40) 807.	verious solutions, (2/) 550.
crop tests in Norrland. (40) 832.	volatile conifer products, (32) 618.
crop tests in Norrland, (40) 632. delayed germination of, (26) 128; (34) 30.	warm water, (38) 430. weather, (38) 15.
determination of—	germination—
germination energy of, (29) 538. life duration, (32) 221; (33) 128; (38) 822. disinfection, (26) 820; (35) 444.	experiments, (38) 441.
life duration, (32) 221; (33) 128; (38) 822.	in culture solutions, (31) 426.
disinfection experiments (31) 738	electrolytes, (37) 431. electrolytic solutions, (31) 427.
disinfection experiments, (31) 738. disinfection with bromin, (37) 542.	heated soils, (26) 640; (35) 722.
	, monoto normal (not one) (not then

Seeds—Continued.	Seeds—Continued.
germination—continued.	powdered, respiration, (27) 220.
in light, (31) 222, 323.	preparation, (26) 436.
oxygenated water, (36) 29.	preparation and mounting, (34) 94.
nerrighty sternized solls, (50) 225.	preservation, (36) 340.
salt solutions, (29) 218; (38) 429. physiology, (33) 29. promoting, (28) 395.	prices and movement in 1916, (37) 492.
physiology, (33) 29.	production, handling, and marketing, (38) 343.
promoting, (28) 395.	protection from insects, (39) 444.
rôle of oxygen in. (30) 629.	protection from rodents, (31) 846.
studies (26) 531; (27) 220; (29) 828; (30) 30;	proteins of, differentiation, (34) 577.
(32) 329: (33) 310, 825, 826; (39) 526.	pure, importance of, (26) 44.
tests (26) 44, 200; (28) 327, 339, 639; (29) 143;	purity—
rôle of oxygen in, (30) 629. studies, (26) 631; (27) 220; (29) 828; (30) 30; (32) 329; (33) 310, 825, 826; (39) 526. tests, (26) 44, 200; (28) 327, 339, 639; (29) 143; (30) 235, 837; (31) 43; (37) 26.	tests. (27) 342.
germination tests—	tests, apparatus and methods, (34) 832. tests by "count," (31) 139. variations, tolerance table, (36) 442. registered, in Canada, (30) 738.
in natural mediums, (31) 633.	tests by "count," (31) 139.
suggestions for, (29) 740.	variations, tolerance table, (36) 442.
toloromas to blo (27) 541	registered, in Canada, (30) 738.
tolerance table, (37) 541.	relation—
v. electrical response in, (35) 523.	of color to germination, (27) 431.
variable results of, (30) 141.	size to development and anatomy of
germinative ability and vegetative force, (29)	plents (30) 725
740.	gige to plant yield (26) 424
grain, as affected by environment, (40) 233.	maight to community (20) 599
graminaceous, rust in, (32) 642.	size to plant yield, (26) 434. weight to germinability, (30) 522. to number of ovules, (29) 529; (33) 130.
growing and storing, (31) 139.	recovery material of effect of suppression (20) 120.
growing on the farm, (35) 140. hard, germination, (31) 228; (34) 225.	reserve material of, effect of suppression, (30) 132.
hard, germination, (31) 228; (34) 225.	resistance to desiccation, (40) 59.
hard, treatment, (28) 434.	respiration coefficient of, (29) 520,
heteromorphic, germination, (28) 631.	resistance to desiccation, (40) 39. respiration coefficient of, (29) 525. rest period in, (31) 335; (33) 520. ripening, protein formation in, (26) 729.
histological characteristics, (27) 112.	ripening, protein formation in, (20) 729.
home-grown, (40) 340.	ripening, protein to macton in, (20) 123. ripening, reversibility of physiological processes in, (29) 526.
hydrolytic changes in, (32) 626.	in, (29) 526.
identification, biological method, (32) 42.	role of callein in, (26) 823.
immature, formation of starch in, (33) 523.	rust spores in, (30) 241.
impermeable, viability, (35) 740.	rôle of caffein in, (26) 823. rust spores in, (30) 241. sampling, (34) 832; (40) 145.
	sampling device for, (33) 836.
importactor isw, (28) 330. imported, control and disinfection, (27) 656. imports, (26) 128, 629; (27) 229, 637; (28) 332; (29) 424; (30) 730; (31) 327; (32) 628; (33) 827; (34) 336, 527; (35) 29; (37) 819; (38) 629; (39) 226, 333, 632; (40) 227.	saving, (40) 147.
imports, (26) 128, 629; (27) 329, 637; (28) 332; (29)	size and sprout value, relation to yield of small
424; (30) 730; (31) 327; (32) 628; (33) 827; (34)	grain, (38) 732.
336, 527; (35) 29; (37) 819; (38) 629; (39) 226, 333,	small, improvement, (26) 838.
632; (40) 327.	standards in Canada, (26) 839.
	standards in Canada, (20) 839. sterile preservation, (33) 727.
improvement, (28) 536. improvement in Canada, (28) 739; (37) 141, 831. improvement in Sweden, (27) 437.	sternity and delayed germination in. (35) 223.
improvement in Canada, (28) 739; (37) 141, 831.	sterilization, (27) 28; (28) 727; (29) 243, 844; (35)
improvement in Sweden, (27) 437.	46; (38) 629.
impurities of, treatise, (31) 835.	stored-
in relation to number of ovules, (31) 523.	factors affecting viability, (30) 837.
influence of environmental conditions, (40) 727.	insects affecting, (39) 161.
injuries by disinfectants, (32) 647.	insects affecting, (39) 101. variations in weight of, (31) 235.
insects offerting (26) 453	storing in glass bottles and other containers,
insects affecting, (26) 453. large v. small in plant production, (31) 634. lead arsenate in, (27) 243.	(32) 833.
lood orsenate in (27) 243	submerged, longevity, (33) 30.
legume, investigations, (40) 39.	submerged, longevity, (33) 30. swelling and germination, (36) 29.
leguminous, as affected by heat, (33) 629.	threshing, cleaning, and grading, (30) 488.
leguminous esh analyses (29) 861	translocation of mineral constituents, (34) 427.
legenny on (31) 394	transmission of diseases by, (36) 844.
longavity (32) 634	transportation regulations, (80) 846.
leguminous, ash analyses, (29) 861. lessons on, (31) 384. longevity, (32) 634. longevity in relation to temperature, (37) 725.	valuation, (30) 40.
longavity tests (40) 339	valuation, (30) 40. variability in, (30) 331.
longevity tests, (40) 339. loss of viability in storage, (37) 725.	variation in color, (26) 36.
maturation, (36) 731, 824.	vegetable, breeding work, (40) 833.
measuring expansive force of, (35) 28.	vegetable, growing in Canada, (34) 635. viability, (28) 819; (40) 299.
medicinal, notes, (30) 145.	viability, (26) 819; (40) 299.
methods of analysis, (31) 806; (32) 741.	viability as affected by cold, (27) 329.
moisture intake at various temperatures, (35)	vitality, (27) 739.
222.	vitality—
nitrogen distribution in, determination, (40)	after passing through cattle, (34) 531; (36)
502.	223.
of Bombay, germination tests, (27) 39.	conservation, (31) 824.
cultivated plants and their identification,	detection, (29) 836.
(38) 240.	electrical method for determining, (35) 523.
fleshy fruits, germination, (38) 224.	experiments, (38) 224.
Tananasa Prossica (40) 898	in grain screenings, (29) 366.
Japanese Brassica, (40) 626. Leguminosae, (31) 523.	wood-see also Weed seeds
trees and shrubs in France, (26) 642.	weed—see also Weed seeds. analyses, (28) 464.
oil, see Oil seeds.	analyses and digestibility, (29) 366.
negrated regetable germination tasts (20) 142	on effected by sulphyrid anid (27) 594
packeted vegetable, germination tests, (28) 143.	as affected by sulphuric acid, (27) 524, as an adulterant in feeds, (30) 466.
parasites in, (39) 225.	hirried (39) 239.
parasitic infection of, (35) 244.	buried, (39) 239. content, (34) 832.
pedigreed—inction (87) 427	description (21) 025, (24) 142, (24) 524
ination, (37) 437. inspecting and distributing, (40) 233. value, (40) 228. permeability, selective, (37) 25.	description, (31) 835; (34) 143; (36) 534. description and key, (38) 343.
mapeoing and distributing, (40) 255.	destruction (20) one
Value, (20) A60.	
perinendity, selective, (8/) 20.	dispersed by hinds (20) 555.
Detailing and America of pacificial one (50) 050:	uispersa Dy Dirus, (30) 245; (31) 047.
phosphorus compounds in, (26) 501.	germination often negrins through disease
phosphorus convent, variation in, (27) 108.	germination after passing through digestive
phosphorus content, variation in, (27) 108. planting depths, (40) 227. position in planting, (40) 635.	determination in soils, (30) \$38. dispersal by birds, (30) 248; (31) 547. germination, (27) 132; (28) 427. germination after passing through digestive treet, (28) 839; (29) 367. germination studies, (30) 332.

Goods - Continued	Maria de la companya del companya de la companya de la companya del companya de la companya de l
Seeds—Continued. weed—continued.	Septicemia—
germinative ability, (29) 836.	bacillary, of Arctia caja, (29) 855. contagious, in swine, (39) 790, 891.
identification, (27) 840.	group of bacteria. (40) 685.
germinative ability, (29) 836. identification, (27) 840. in farm lands, (33) 138.	group of bacteria, (40) 685. hemorrhagic, (39) 81, 183, 390, 488, 582, 587, 679
grain, (26) 135.	683; (40) 86, 183, 778.
imported seed, (38) 539. screenings, (34) 663.	hemorrhagic—
soil (34) 786	bacterium, opsonic power of serums against,
soil, (34) 736. notes, (27) 643. school lessons on, (32) 898.	(27) 285. control in Michigan, (37) 274.
school lessons on, (32) 898.	diagnosis, (28) 281.
treatise, (31) 835.	feeding and immunity in (26) 374.
vitality in cultivated soils, (31) 634. weight in relation to pod type, (38) 535.	immunization, (28) 281, 881; (29) 179; (34)
wheat, size as affecting resultant plants, (39) 743.	184; (35) 77; (37) 83, 179, 379; (38) 784; (40)
Seepage—	183.
and return waters, (38) 288.	in cattle, (34) 478, 782; (36) 79, 675, 676. cattle, treatment, (31) 780; (32) 82.
effect on quality of sugar beets, (28) 43.	mules, (38) 184.
experiments in India, (28) 588.	mules, (38) 184. sheep, (29) 179; (40) 782. swine, (40) 783.
from canals, (32) 380.	swine, (40) 783.
from irrigation systems, (29) 181, 289; (34) 387.	United States, (37) 274.
mensurements, (28) 83. relation to rainfall, (27) 116.	notes, (37) 477.
Seera Deans, notes, (26) 362.	organisms, (37) 583; (38) 179. papers on, (34) 184.
Seeta beans, varieties, (26) 829. Segregation in plants, (39) 123, 825. Seiches in lower Lake Michigan, (28) 415.	pleomorphism and mutation in organisms
Segregation in plants, (39) 123, 825.	of (35) 77
Seiches in lower Lake Michigan, (28) 415.	preparation of serum, (36) 779. structure of bacillus, (31) 879; (32) 32. studies, (37) 78; (38) 887. treatment, (28) 82; (33) 379, 784.
Seine River, pollution by sewage, (28) 619. Seira nigromaculata injurious to pines, (30) 161.	structure of Dacinus, (31) 8/9; (32) 32.
Seismic—	treatment (28) 82: (35) 379, 784
observations at Habana, (28) 213; (39) 419.	vitality of causative organism. (31) 579.
zones, detection, (34) 118.	vitality of causative organism, (31) 579. in cockchafers and silkworms, (30) 53.
Seismology—	in hogs, due to vaccination, (39) 392. in poultry, investigations, (27) 686. pluriform, in sheep, immunization, (27) 886.
at Pan American Scientific Congress, (34) 615.	in poultry, investigations, (27) 686.
bibliography, (32) 810; (33) 320, 717. Seius pomi, parasitic on red spider, (32) 157.	pluriforms ovium, immunization, (27) 886. pluriformis ovium, immunization, (32) 184.
Selaginella rupestris, allies in southeastern United	streptococcic, treatment, (39) 488.
States, (40) 133.	Septobasidium—
Selection—	albidum, notes, (29) 752.
effect on heredity characters, (30) 670.	biological notes, (26) 52.
effect on plants, (35) 334. experiments with Paramecium, probable error	conidia-bearing species, (29) 752.
experiments with Paramecium, probable error	pedicillatum, notes, (29) 49. spp., biology of, (28) 556.
of a difference, (39) 179. mass, effects of, (34) 74, 564.	Septogloeum—
Mendelian interpretation of, (33) 822.	anemones n.sp., description, (34) 242.
natural, treatise, (31) 865.	anemones n.sp., description, (34) 242. arachidis, notes, (29) 347; (31) 243.
review of investigations, (38) 61.	niisimae n.sp., description, (37) 652.
rôle in evolution, (39) 573.	en on fold rose (26) 846
studies with piebald rats, (39) 877.	ochroleucum n.comb., description, (37) 748. sp. on field peas, (36) 846. ulmi, notes, (35) 454.
Selenaspidus articulatus, notes, (31) 58.	Septoria-
Selenomastix ruminantium, description, (30) 284. Selenothrips rubrocinctus in Trinidad, (40) 649.	acanthi romana n.var., description, (37) 550.
Self-binders, adjustment and repair, (28) 291.	alhaginis n.sp., notes, (34) 842.
Self-feeders for pigs, (33) 266; (37) 90, 269, 270; (38)	alhaginis, winter stage of, (35) 844.
475, 673.	ampelina, notes, (37) 52.
Semblis lutria, egg parasite of, (26) 557. Seminiferous tubules, relation to secondary sex characters, (40) 467.	graveolentis n.sp., description, (35) 846.
characters, (40) 467.	pathological forms, (26) 545.
Semipermeable membranes, diffusion through, (34)	relation to celery leaf spot, (33) 547.
626.	studies, (30) \$47.
Sempervivum rust, studies, (28) 845.	treatment, (33) 848.
Senecio-	aurea, perfect stage, (38) 546. azaleae, notes, (30) 247.
jacobaea, life history and eradication, (36) 535.	bataticola n.sp., description, (32) 51. bataticola, studies, (34) 158.
jacobaea, relation to dunsickness, (26) 480.	bataticola, studies, (34) 156.
latifolius, relation to hepatic cirrhosis, (27) 79. vulgaris, heredity of characters in, (29) 216. Sensitive plant, notes, (26) 382. Sensitive plant, pormeability of pulvinus, (39) 780. Sensitive plant, and propriet in relationship, (24) 778.	chrysanthemella, notes, (35) 550. cucurbitae n.sp., description, (37) 550.
Sensitive plant, notes, (26) 362.	gladioli, studies, (36) 453.
Sensitive plant, permeability of pulvinus, (39) 730.	glumarum, notes, (38) 646.
Sensitizin and precipitin, relationship, (34) 778. Seoptera colon, trapping, (40) 169.	glycines n.sp., description, (35) 247.
Seoptera colon, trapping, (40) 169.	graminis, notes, (29) 845.
Sepsidae, synopsis, (37) 665. Sepsis in calves notes (26) 586.	leucanthemi, notes, (31) 641.
Sepsis, in calves, notes, (26) 586. Sepsis, treatment, (29) 175.	lycopersici— description and treatment, (32) 147.
Septic-	dissemination, (40) 644.
arthritis in foals, (26) 384.	host limitations, (37) 842.
tank—	
and cesspool combined, description, (31)	on tomatoes, (34) 53.
190.	SVICIOS, (50) 000.
description, (37) 188, 286. plans and specifications, (27) 167.	on tomatoes, (34) 53. studies, (35) 653. treatment, (29) 435; (33) 53; (35) 350; (36) 750; (33) 150; (39) 756.
tanks—	n.spp., descriptions, (27) 848; (37) 748, 749.
construction, (31) 893; (33) 691, 892,	n.spp., descriptions, (27) 848; (37) 748, 749. ochroleuca, notes, (37) 748.
construction and operation, (28) 86; (38) 592.	oleae n.sp., description, (35) 353.
construction and operation, (28) 86; (38) 592. design and construction, (28) 686; (34) 887. for creamery sewage, (32) 889.	oleae n.sp., description, (35) 353. on celery, (39) 753. on peas, (39) 354.
for residential servers disposed (21) 707	nerecities studies (28) 750
for residential sewage disposal, (31) 787. notes, (30) 789, 790.	parasitica, studies, (28) 750. parietarise, notes, (26) 341.
tile pipe, (39) 86.	perillas n.sp., description, (34) 242.
use in sewage disposal, (28) 86.	perillae, notes, (37) 652.
	•

Septoria—Continued.	Serum—Continued.
persicariae n.sp., description, (39) 152.	ferment, preparation and use, (29) 280. from old horses, (40) 580.
petasitidis n.sp., description, (37) 652.	globulin, identification in solutions, (26) 201.
petroselini apil— notes, (32) 239, 544, 545; (34) 49, 350; (36) 749.	globulins in bacterial infection and immunity.
studies, (29) 846; (33) 742; (35) 846.	(86) 778.
treatment, (30) 318.	hemolysins in goats, studies, (27) 476.
wintering, (37) 840.	human, autoagglutinin in, (39) 186.
petroselini—	inhibitory action on bacteria staining, (37) 478.
description and treatment, (28) 817. notes, (27) 849.	injections, effect on rectal temperature of guinea pigs, (28) 781. law in Maryland, (29) 385.
on celery in storage, (31) 447.	law in Maryland, (29) 385.
piricola, notes, (34) 846; (35) 454; (37) 550; (40) 53.	ieucocygeme, nature and use, (20) 550.
pisi, notes, (32) 511.	medium, substitute, (30) 583
pisi, relation to pea blight, (29, 417.	nontoxic, preparation, (31) 479 normal, opsonins of, (33) 178.
ribis, notes, (26) 446.	of cows immunized against tuberculosis, (33)
ribis, perfect stage, (36) 246. ribis, studies, (33) 347; (38) 546. rubi, notes, (33) 647.	181.
rubi, notes, (33) 647.	domestic animals, refraction coefficient, (32)
SD . DOLOS. (26) 649° (27) 40° (31) 447° (37) 550.	778.
sp. on cereals, (32) 843.	glandered animals as a precipitant for mal- lein, (26) 483.
sp., studies, (30) 349. spp., notes, (29) 49; (30) 418.	pigs, refractive index, (33) 483.
spp. on Ribes, life histories, (37) 551.	sea ecl, toxicity and properties, (38) 582; (40)
spp. on wheat in Australia, (37) 149.	880.
studies, (28) 443.	sick horses, sodium chlorid figures, (40) 287.
Septum, nasal tubercular, in bovines, (27) 184.	various animals, companson, (30) 68. pathology, notes, (27) 284.
Sequola— nitch moth studies (31) 652	physiology, international catalogue, (34) 658:
pitch moth, studies, (31) 652. sempervitens, ray trachelds in, (30) 744.	physiology, international cutalogue, (31) 658; (35) 574; (39) 190; (40) 869.
Serangium giffardi n.sp., description, (32) 453.	polyvalent hemolytic, preparation, (20) 374.
Serangium giffardi n.sp., description, (32) 453. Serenoa serrulata, notes, (30) 145.	precipitating, from sunflower seeds, (28) 801.
Serica anthracina, notes, (30) 100.	precipitin, production, (35) 881. precipitin reactions, discussion, (26) 482.
Serica n.sp., notes, (29) 858.	preparation and standardization. (33) 280.
Sericaria mori, embryology, (30) 456. Sericultural station at Padua, report, (38) 859.	preservatives, pharmacological action, (33) 280, proteases, studies, (34) 674.
Sericulture, see Silk culture and Silkworm.	protesses, studies, (34) 674.
Seriocothrips n.sp., description, (37) 258, 849.	proteid bodies, biological value, (28) 66.
Serodiagnosis—	proteins of different animals, (28) 875; (32) 861;
Castellani test in, (40) 288.	(35) 372. reactions, mechanism, (37) 477.
treatise, (30) 276.	reactions, relation between, (36) 478.
use in grape propagation, (34) 42. Serological investigations, error in, (32) 178.	sensitization, relation to antitoxin dosage, (32)
serology, index catalogue, (32) 578.	372.
Seroprotease, studies, (39) 608. Serows in British Museum, (30) 767.	sickness, prophylaxis, (40) 580. sickness, studies, (39) 284.
Serows in British Museum, (30) 767.	study, laboratory course, (35) 73.
Serpentine— fertilizing value (32) 622: (40) 815	therapy—
fertilizing value, (32) 622; (40) 815. leaf miner, studies, (29) 857. Serpents, wounds and diseases, (40) 55.	and diagnosis, handbook, (26) 578.
Serpents, wounds and diseases, (40) 55.	antigangrenous, (40) 83, 84, 381, 884.
Serpholdea, phoresy in, (40) 459.	in trichinosis, (40) 184.
Serradella—	treatise, (31) 177. vaccination, and immunity, treatise, (27)
as cover crop for orchards, (37) 833.	76.
as green manure, (39) 816. assimilation of nitrogen by, (31) 523. composition and digestibility, (27) 669. culture experiments, (30) 632; (33) 33; (35) 736.	toxicity, primary, notes, (29) 477.
composition and digestibility, (27) 669.	treating with pararabin, (37) 376.
culture experiments. (30) 632; (33) 33; (35) 736.	veal agar, notes, (38) 684.
culture on moorising, (30) 229.	Serums—see also Antiserum. acid-soluble phosphorus of, (35) 714.
drying, (27) 669.	analyses and nitrogen distribution, (36) 80, 576.
fertilizer experiments, (32) 842; (36) 626. fertilizing value, (26) 438; (32) 216. germination as affected by fertilizers, (29) 327.	animal, antihemolysin in, (28) 179.
germination as affected by fertilizers, (29) 327.	antiagressin, notes, (27) 883.
growin as anected by terthizer saits, (29) 329.	antibacterial action, (35) 381. antitoxic—
history and hotanical notes, (35) 736.	and bactericidal, notes, (32) 78.
inoculation, (31) 131, 524; (35) 322. nodule bacteria of, (32) 33.	concentration, (35) 680; (36) 178, 179; (37)
relation of tops to roots, (31) 733.	877; (38) 504; (39) 487; (40) 287, 288.
seeds, microscopic characteristics, (40) 508.	and bactericidal, notes, (32) 78. concentration, (35) 680; (38) 178, 179; (37) 877; (38) 594; (39) 487; (40) 287, 288. production, (40) 580.
water culture experiments, (28) 817.	
Serum— albumin, identification in solutions, (26) 201,	autodigestion, (39) 608. bactericidal action, (26) 175.
anaphylaxis in bovines, (32) 178.	diagnostic, inspection in Oregon, (32) 778.
and vaccine therapy, notes, (29) 377.	effect on tissues, (35) 881.
anti-hog cholera, preparation and use, (26) 87.	guaranties of preparation and distribution, (39)
antistreptococcus, studies, (26) 579.	680. hydrogen-ion concentration, determination, (38)
anutrypsin during manition, (35) 486.	505.
as affected by agar, (36) 575. as affected by lecithin, (31) 478.	immune—
as substitute for broth for bacteriological pur-	obtaining from large animals, (26) 676.
poses, (36) 575.	preservation, (26) 83.
blood, method of obtaining, (38) 181.	selective absorption, (40) 678. taeniolysins in, (28) 375.
bovine, for treatment of infectious diseases, (40) 583.	treatise, (26) 579; (38) 378.
bovine, haptines in, (28) 374.	in treatment and diagnosis, (36) 575.
outstavia immuna studiae (22) 20E	infusion apparatus for administering, (32) 272.
density and solution volume, (31) 804.	inhibition of precipitation by, (26) 175.
determination of cholesterol in, (33) 315.	intraspinal injections of, (32) 876. phagocytic action on pathogenic bacteria, (27)
density and solution volume, (31) 804. determination of cholesterol in, (33) 315. determination of viscosity, (26) 374. diagnosis, optical method, studies, (27) 476, distribution, pipette holder for, (40) 581.	285.
distribution minette halder for (40) Kg1	polyvalent, use, (36) 277.

Serums—Continued.	Setaria—
precipitating, (26) 175. preparation, (36) 779.	flava, notes, (26) 362.
preparation, (36) 779.	flava, notes, (26) 362. glauca, analyses, (28) 768.
preparation and sale in United States, (32) 875.	italica, culture experiments, (32) 227.
preservatives in, determination, (38) 316.	italica, notes, (30) 233.
preservatives in, toxicity, (38) 283.	Spp., analyses, (28) 463.
production—	verticillata, analyses and digestibility, (27) 871;
and distribution, (36) 675.	(32) 167.
and distribution in Holland, (29) 377; (38)	viridis, analyses, (34) 39.
180.	Setomorpha—
and valuation, (27) 476.	margalaestriata n.sp., studies, (40) 854.
propagation and sale, (28) 677; (39) 787.	on tobacco, (40) 854.
protective and curative, valuation, (32) 78.	Settlers, prospective in Alaska, information for, (35) 295; (36) 791.
purification, (39) 183.	(35) 295; (36) 791.
syphilitic, precipitation of organic colloid by,	Seuratia spp., descriptions, (27) 450.
(39) 487.	Seven-day fever, causative agent, (40) 85.
Sesame-	Severinia buxifolia as a stock for citrus, (36) 241.
as honey-producing plant, (40) 65.	Sewage—see also Tannery waste, Wool waste, etc.
cake-	activated-sludge, treatment, (35) 490.
acidity, (32) 259; (35) 770.	aerotion, (37) 87. analyses, (28) 811. analysis, textbook, (33) 208.
agglutinating properties, (31) 774. analyses, (26) 165, 266, 267, 363, 770; (27) 570, 872; (29) 467; (30) 67, 268, 467; (31) 467; (33) 170, 870; (34) 263.	analysis toythook (22) 200
analyses, (26) 165, 266, 267, 363, 770; (27) 570,	as affected by added nitrate, (26) 725.
872; (29) 467; (30) 67, 268, 467; (31) 467;	as source of ammonium sulphate, (34) 424.
(33) 170, 870; (34) 263.	as source of nitrogen, (38) 625.
detection in tinseed cake, (25) 575.	bacteria, relation to shellfish pollution, (27) 212.
digestibility, (28) 464.	bacteriology, (34) 591.
cake, effect on—	changes during purification (39) 216
composition of milk, (20) 879. milk and butter, (34) 570. milk production, (26) 273. quality of butter, (26) 369.	changes during purification, (39) 216. clarification in Germany, (26) 515.
milk and butter, (34) 570.	disinfection, (28) 487
milk production, (20) 275.	disinfection, (28) 487. disinfection by chlorid of lime, (29) 512.
quality of butter, (26) 309.	disposal, (31) 592, 893; (34) 790, 886.
cake—	disposal—
feeding value, (38) 572.	and treatment (26) 215
fertilizing value, (38) 527. for dairy cattle, (34) 874. meal, analyses, (31) 864. nutritive value, (28) 673. sugar content, (37) 208.	biology, (32) 552. by broad irrigation, (36) 183. for country homes, (27) 389; (28) 86, 487; (29) 194; (30) 690; (31) 291, 292, 786; (32) 87; (34) 88, 286, 790; (35) 83, 691, 887; (36)
for dutry cattle, (34) 874.	by broad irrigation, (36) 183.
mean, manyses, (al) ab4.	for country homes, (27) 389; (28) 86, 487; (29)
1146116176 74146, (25) 675.	194; (30) 690; (31) 291, 292, 786; (32) 87;
oulture and utilization (32) 438	(34) 88, 286, 790; (35) 83, 691, 887; (36)
culture and utilization, (33) 438. culture experiments, (27) 336; (38) 336, 527, 635.	
/ diseases in India, (33) 846.	farms, (33) 784, 892; (34) 687; (37) 589; (38) 188.
affect on following group of sehhage (21) 220	(38) 188.
effect on following crop of cabbage, (31) 329. improvement, (28) 736.	farms, handbook, (28) 789.
insects affecting (28) 555	farms, handbook, (28) 789. rural schools, (37) 696, 884.
meal, analyses, (30) 268; (34) 467; (38) 665.	village and rural homes, (37) 286.
insects affecting, (28) 555. meal, analyses, (30) 268; (34) 467; (38) 665. meal, bacterial flora of, (32) 75.	from hospitals and medical establishments,
meal for pigs, (29) 371.	(33) 486.
oil, chemical and physiological tests, (33) 362.	in Europe, (28) 619; (30) 512.
detection, (26) 207, 497; (29) 613; (37) 13.	Glasgow, (26) 516. Great Britain, (28) 214.
detection in butter, (26) 212.	Great Britain, (28) 214.
digestibility, (36) 860.	Illinois, (35) 389.
hardened, analyses and digestibility, (33)	industrial and rural communities, (34) 488.
564.	institutions, (37) 385. Milwaukee, (36) 489. New South Wales, (29) 785. rural districts, (30) 390; (33) 590, 591; (34) 592, 887; (36) 892. the Tropics, (31) 489.
in margarin, (31) 811.	Mar Courth Woles (90) 705
physical constants, (35) 312.	marcal districts (20) 200- (22) 500 501-
press cake, analyses, (40) 72.	(34) 509 887: (36) 809
rot bacteria affecting, (29) 345. rotation crop for, (36) 830; (38) 526. seed, analyses, (31) 864.	the Tropies (31) 489
rotation grop for, (38) 830; (38) 526.	unsewered districts, (32) 387.
seed, analyses, (31) 864.	notes, (27) 512; (28) 619; (29) 86; (30) 790.
seed, composition and nutritive value, (34) 565.	on sewer farms, (26) 28.
varieties, (30) 525, 731.	plant for Torrance, California, (32) 88.
wilt, notes, (31) 641; (34) 50; (38) 351.	disposal plants—
Sesamia— oration notes (27) 53	designs, (31) 190.
cretica, notes, (27) 53. fusca, life history and remedies, (29) 356.	for farms, (31) 291.
inferens, notes, (33) 856; (35) 58.	residential, design, (27) 17, 590; (32) 890.
nonagrioides, notes, (33) 554.	small, (38) 85.
vuteria, notes, (38) 465.	treatise, (33) 785.
Sesamum—	disposal—
culture in Philippines, (40) 632.	relation to mosquitoes, (32) 554.
indicum—	relation to pellagra, (31) 893; (37) 694. residential, (33) 691.
analyses, (38) 368.	residential, (33) 691.
culture experiments, (32) 227.	septic tanks for, (28) 80; (31) 787; (34) 881.
loss in weight after harvesting, (38) 635.	systems, small, construction, (34) 887.
Sesbania-	treatise, (27) 212, 213; (30) 511.
aculeata as green manure, (30) 339; (33) 131;	works, notes, (28) 515.
(36) 232; (37) 824.	effluent—
segvotisce as green manure. (37) 320.	absorption of oxygen by, (26) 406. nitrite content, (26) 406.
aegyptiaca as green manure, (37) 320. description, (30) 828.	probability of decomposition in, (31) 387.
grandiflora, notes, (30) 525.	farm at Melbourne, (30) 816.
	farm, near Cairo, Egypt. (30) 512.
Sesia— brunned n sn. description (33) 655.	farms of Berlin, (26) 317: (27) 318.
brunneri n.sp., description, (33) 655. custanese n.sp., description, (29) 758.	farm, near Cairo, Egypt, (30) 512. farms of Berlin, (26) 317; (27) 318. farms of Paris, (28) 619.
geliformis, notes, (38) 762.	fertilizers from, (33) 219.
novergensis, studies, (33) 454.	fertilizing value, (26) 716: (28) 514; (30) 621; (31)
rhododendri, notes, (33) 252.	316; (34) 886; (35) 629; (40) 135,
rhododendri, notes, (33) 252. rileyana, notes, (35) 657. spp., notes, (28) 155. typulformis, see Current borer.	fertilizers from, (33) 219. fertilizers from, (33) 219. fertilizing value, (26) 716; (28) 514; (30) 621; (31) 316; (34) 886; (35) 629; (40) 135. filter files, studies, (40) 356. filters, notes, (37) 488, 489. filters, tests. (34) 888.
spp., notes, (28) 155.	filters, notes, (37) 488, 489.
distribution ass Coursest horar	filters, tests, (34) 888.

Danier	Ca
Sewage—Continued.	Sewers— design and construction (20) 190: (24) 884
fly, biology, (32) 552. from dairies, purification, (33) 784.	design and construction, (29) 182; (34) 886. design and installation, (30) 790. intercepting traps in, (28) 591. yentilation, (28) 592.
from packing houses, treatment, (37) 694.	intercenting trans in. (28) 591.
from piggeries, treatment, (33) 684.	ventilation. (28) 592.
from sugar refineries, purification, (33) 785.	Sewing—
handling, (28) 28.	clubs for girls, notes, (29) 395.
injury to crops, studies, (33) 588. irrigation, (27) 318, 590; (34) 886.	contest clubs in Idaho, (28) 694. contests in Rhode Island, (28) 299.
irrigation, (27) 318, 590; (34) 886.	contests in Rhode Island, (28) 299.
irrigation—	in graded schools of Wisconsin, (33) 195. instruction in Porto Rico, (33) 397.
effect on composition of soils, (26) 614. for forests, (33) 343.	lacance in (99) 200: (21) 602: (29) 204 500
in Germany. (34) 687.	lessons in, (28) 299; (31) 603; (32) 394, 598. notes, (28) 694.
in Germany, (34) 687. notes, (37) 185.	teaching, (34) 899.
relation to diseases, (31) 417.	Sex—
methods of analysis, (29) 408; (31) 806. methods of examination, (37) 311; (39) 13.	and heredity, manual, (30) 767.
methods of examination, (37) 311; (39) 13.	cells, male, biology, (28) 676.
microbiology of, (26) 372.	cells, notes, (26) 364.
mycology of, (30) 418.	characters—
nonnitrification in sea water, (26) 317.	in the ruddy duck, (39) 878. secondary, factors affecting, (27) 275.
of New York City, utilization, (33) 124. oxidation without filters, (32) 387; (34) 887. pathogenic organisms in, detection, (38) 188.	secondary, in birds. (40) 871
pathogenic organisms in, detection, (38) 188.	secondary, in birds, (40) 871. secondary, in pheasants, (31) 271.
plants, Imhoff, description, (30) 489. pollution in lower Missouri River, (29) 512.	secondary, studies, (26) 364; (27) 869; (28)
pollution in lower Missouri River, (29) 512.	668.
pollution, relation to typhoid fever, (27) 318.	studies, (40) 467.
purincation, (26) 318, 716; (33) 422, 691; (34)	chromosome in males of domestic chickens, (30)
purification, (26) 318, 716; (33) 422, 691; (34) 390; (35) 188, 388, 579, 787, 887; (36) 687; (37) 286, 488, 694, 787, 789; (38) 85.	772
	chromosomes in Drosophila, (31) 865.
purification—	control in pigeons, (35) 771. control in rotifers, (34) 766.
and disposal, (32) 88. and disposal in Germany, (34) 687.	cords and germ cells, origin in male chick, (38)
and disposal in Germany, (34) 687.	173.
et Atlanta (Jeorgia, (29) 617	determination—
bibliography, (38) 691. by aeration, (34) 493; (38) 490. by bacteria, (28) 686. colloids in, (31) 616. for country houses, (28) 386. Lyber slower from the country houses, (28) 386.	in birds, (37) 772, 868.
by aeration, (34) 488; (38) 490.	cattle, (33) 669.
by bacteria, (28) 686.	guinea pigs, (33) 168.
colloids in, (31) 616.	sheen (31) 267
In country nouses, (28) 380.	manmals, (39) 575. sheep, (31) 267. notes, (28) 364. region of literature, (27) 368 369, (29) 271
Imhoff clarification tank, (26) 215. notes, (28) 124, 318. plant, isolated, construction, (28) 289 test of filtering materials, (28) 789. putrescibility test for, (8) 480. residue, analyses, (35) 128. sedimentation tank, new type, (29) 293. sickness in land filtration, (26) 615. sickness in soils, studies, (28) 119.	review of literature, (27) 368, 369; (28) 271. studies, (26) 365, 471, 773; (27) 275, 573; (28) 68, 875; (30) 267; (31) 564, 765; (34) 564, 864;
plant, isolated, construction, (28) 289	studies, (26) 365, 471, 773; (27) 275, 573; (28)
test of filtering materials. (28) 789.	68, 875; (30) 267; (31) 564, 765; (34) 564, 864;
putrescibility test for, (38) 480.	(38) 65, 66,
residue, analyses, (35) 128.	development as affected by pituitary feeding,
sedimentation tank, new type, (29) 293.	(34) 765. differences, origin, (27) 369.
sickness in land illuration, (20) 010.	evolution in plants, treatise, (32) 725.
Sickness in sous, Studies, (26) 119.	glands, relation to lime metabolism, (28) 370.
	glands, studies, (27) 770.
analyses, (27) 318; (32) 88; (33) 723; (34) 222, 423, 624.	hormones, action in fetal life of cattle, (40) 466.
as a fertilizer. (32) 88.	inheritance in grapes, (39) 242.
as a fertilizer, (32) 88. as a fertilizer in British Isles, (31) 417.	inhertiance in strawberries, (39) 349.
coke analyses (28) 518	organs, female, thyroid gland of, (28) 271. ratio, control, (39) 575.
clarification, (31) 417. disposal, (27) 17; (28) 515. disposal, "Grossmann" process, (28) 28.	ratio, control in dairy cattle. (38) 175.
disposal, (27) 17; (28) 515.	ratio, control in dairy cattle, (38) 175. ratios in pigeons, (33) 369.
disposal, "Grossmann" process, (28) 28. drying, (28) 118.	relation to color and fertility in pigs, (30) 472.
fartilizing volue (27) 318 327 (30) 621	sequence in fowls. (39) 781.
(31) 316: (33) 423; (34) 219, 222, 423, 624.	studies, (40) 664. studies with fowls, (39) 177.
for arid soils, (34) 621.	trimorphism, studies, (28) 571.
Grying, (28) 118. fertilizing value, (27) 318, 327; (30) 621; (31) 316; (33) 423; (34) 219, 222, 423, 624. for arid scils, (34) 621. purification, (28) 289. treatise, (26) 717. treatise, (26) 717.	Shaddocks, culture in Barbados, (28) 828.
treatise, (26) 717.	Shade-
treatment in Germany, (26) 515. utilization, (26) 615, 624; (27) 318, 521, 629, 317; (30) 19, 512; (33) 24, 124; (34) 237, 332, 893; (35) 188; (37) 425.	effect on-
917. (30) 10 519. (28) 94 194. (24) 987	composition of tobacco, (30) 430.
332, 889: (35) 188: (37) 425.	evaporation in plants, (26) 821.
utilization in England, (27) 16.	composition of tobacco, (30) 430, evaporation in plants, (26) 821, plant growth, (29) 130; (30) 343, tobacco, (33) 521.
tank, rectangular v. circular, (31) 592.	transpiration of white pine seedlings, (33)
tank, rectangular v. eircular, (31) 592, tanks, tile pipe, (39) 86.	224.
	woody plant seedlings, (30) 430.
Dickson centrifuge system, (34) 423. in small communities, (36) 390.	relation to evaporation and transpiration in
plants, residential, construction, (34) 88.	nursery beds, (31) 838. Shaftal as a forage crop, (38) 230.
plants, small, tests, (35) 287.	Shafting, size and strength formulas for, (31) 688.
with activated sludge, (33) 786; (34) 591.	Shaking machine, description, (86) 413.
use in irrigation, (26) 716. utilization, (26) 716; 717; (29) 617; (30) 399; (31)	Shallu-
417.	analyses, (37) 539.
utilization in Italy, (38) 723.	as dry-farm crop, (89) 736.
water, methods of analysis, (31) 502.	culture experiments, (29) 426; (32) 526. description and culture, (37) 740.
works, small, investigations, (28) 386.	drought resistance of, (28) 638.
Sewer-	notes, (29) 141.
air, chemistry and bacteriology of, (28) 592.	stover, digestibility and productive value, (37) 865.
pipe, methods of testing, (27) 87. pipe, specifications, (29) 290. pipe, tests, (29) 685; (30) 787; (38) 392. systems, rat-proofing, (30) 188. Savarara reported tractice (34) 298	(37) 865.
pupo, apecinications, (29) 290.	varieties, (37) 388. Share leasing, adaptation to joint-stock agricultural societies, (40) 490.
gratams, rat-proofing, (20) 161; (30) 382.	sociatios (40) 400
Sewerage practice, treatise, (34) 886.	Sharps, analyses, (26) 686.

```
Shaw, W. G., biographical sketch, (40) 600.
Shea butter, analyses, (37) 14.
Shea butter, detection, (29) 613.
Sheda grass, analyses, (28) 768.
Sheap—see also Ewes, Lambs, etc.
African woolless, in Porto Rico, (31) 664.
African woolless, notes, (27) 372.
alfalfa pasture for, (36) 169; (38) 67.
amebae affecting, (27) 477.
anaphylactic shock due to ox-warble extract, (37) 379.
and intonsive farming, (39) 477.
and its cousins, treatise, (28) 770.
antirax affecting, (29) 682.
as affected by—
cestration and ovariotomy, (27) 70.
                                                                                                                                                                                                                                                                                                                                                                                                                         Sheep—Continued.
degeneration in teeth of, (33) 270.
diagnosing time of parturition, (31) 876.
digestion experiments, (26) 769; (27) 669;
171, 464, 669; (30) 372, 565, 668, 568; (31) 765, 767, 862; (32) 68, 167, 168, 667, 708, (33) 758; (37) 168; (38) 368, 571; (39) 171.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         experiments, (33) 571.
for scables, (26) 587.
shower-bath system, (32) 888.
tanks, construction, (31) 786.
dips, notes, (35) 678.
dips, sode-sulphur, (40) 208.
disease—
                                                                                                                                                                                                                                                                                                                                                                                                                                                             dipping
                            and its cousins, treatise, (28) 770.

anthrax affecting, (29) 582.

as affected by—

castration and ovariotomy, (27) 70.

larkspur, (27) 180.

magnesium chlorid, (28) 672.

summer shearing, (32) 260.

barns and pens, (38) 693.

barns for prairie farms, (35) 690.

barns, plans, (31) 488.

Blackface, notes, (33) 669.

blowfly, control by birds, (40) 351.

blowfly, remedies, (34) 359.

bone content, (31) 564.

Border Leicester, notes, (33) 669.

botfly, see Oestrus ovis.

Boulonnaise, notes, (30) 173.

brains of, (31) 168.

branding paints, tests, (27) 874; (34) 668.

bread characteristics, (29) 369.

breeding—

and care, (33) 71.

and management, (27) 873; (28) 468.

experiments, (28) 570, 672; (29) 171, 370, 669, 771, 870; (30) 372; (31) 664; (32) 261; (33) 73, 570; (34) 763; (35) 170, 565, 772; (36) 765; (37) 66, 99, 676, 770, 866; (38) 270; (39) 775; (40) 74.

for fat lamb production, (39) 273.

for fur, (29) 872.

history, (20) 368.

in Alaska, (28) 465; (29) 771.

East Friesland, (27) 873.

New South Wales, (27) 470.

New Zealand, (26) 769.

Philippines, (30) 869.

Punjab, (80) 767.

Tennessee, cooperation in, (26) 167.

maintenance rations for, (34) 171.

wintering experiments, (33) 760.

British, (27) 771; (29) 571.

for the farm, (31) 75.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             disease—
description, (33) 680.
in Patagonia, (39) 85.
in Transvaal, (26) 173.
Nairobi, investigations, (26) 678.
new, in Peru, (38) 687, 688.
notes, (27) 181.
peculiar, in Hawaii, (31) 177.
diseases—
handbook (37) 778
                                                                                                                                                                                                                                                                                                                                                                                                                                                           diseases—
handbook, (37) 778.
in British East Africa, (30) 576.
losses from, (35) 192.
nature and treatment, (34) 383.
notes, (30) 381; (37) 374, 876.
parasitic, in Algeria, (31) 86.
parasitic, in Algeria, (31) 86.
parasitic, notes, (27) 181.
remedies, (31) 666.
treatise, (36) 182; (38) 781.
domestic breeds in America, (31) 567.
domestic breeds in America, (31) 567.
domestic breeds in America, (31) 567.
domestic breeds in America, (38) 584.
domestic breeds in America, (38) 584.
dual-purpose range, breeding, (34) 566.
entrails, utilization, (30) 567.
erythrocytes, preservation, (40) 479.
excretion of phenol by, (28) 874.
factors affecting pulse rate, (28) 768; (29) 66.
farming—
                                                                                                                                                                                                                                                                                                                                                                                                                                                                farming-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           in America, treatise, (26) 769.
in British Isles, treatise, (37) 770.
in North America, treatise, (30) 173.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           fat-tailed-
                                   breeds
                                  Dreeds—
British, (27) 771; (29) 571.
for the farm, (31) 75.
in New Zealand, (34) 566.
of central Pyrenees. (32) 866.
Scottish, origin and development, (31) 768.
broad-tailed, characteristics, (27) 771.
                                broad-tailed, characteristics, (27) 771.

caracul—

breading experiments, (31) 387.

characteristics and crossing experiments, (34) 372.

factors affecting fleece, (27) 277.

in Argontina, (32) 261.

inheritance of wool, (38) 575.

notes, (30) 469, 569; (31) 567; (35) 170.

origin, (32) 365.

origin and characteristics, (33) 871.

types of, (26) 874.

carcass competition, (29) 369.

care and management, (31) 470, 666.

castor bean plant for, (26) 368.

castrated, horn growth in, (31) 867.

castrated, horn growth in, (31) 867.

castration, (29) 168.

cattle, and pigs, handbook, (28) 769.

cells, formalinized, use in complement fixation tests, (29) 676.

chest contour caliper, (40) 277.

Cheviot, in England and Scotland, (31) 768.

coarse-wool, fleece of, (36) 270.

Corriedale—

in United States, (32) 866.
                                   caracul-
                                                                                                                                                                                                                                                                                                                                                                                                                                                               fly, Australian, in Hawaii, (40) 263. food plants of in Mica Mountain range, (30)
                                                                                                                                                                                                                                                                                                                                                                                                                                                               for the Southwest, (28) 672. forage crops for, (28) 267. forest grazing, (40) 343, 448. four-horned, in Scotland, (31) 768. grape mare for, (32) 567.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             grazing—
experiments, (30) 770.
farms in Queensland, (27) 71.
on Johnson grass-infested ditches, (32) 568.
relation to wood ticks, (29) 658.
growth of, (30) 370, 467.
"hail-bred," in England and Scotland, (31) 768.
handbook, (27) 673.
handling, "blanket" system, (33) 669, 670.
handling in California, (34) 868.
handling on ranges, (39) 171, 773.
heather and moor burning for, (40) 667.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                grazing-
                                   Corriedale—
in United States, (32) 866.
notes, (29) 469.
origin and development, (34) 566.
record association, (34) 889.
eost of production, (35) 668.
eoyote-proof fence for, (26) 73; (39) 172.
eysticerel affecting, (27) 182.
dairy farming with, (29) 376.
                                                                       52831-26†-34
```

Sheep-Continued.	Sheep-Continued.
Hebridean, notes, (31) 75. hemolymph nodes of, (32) 82.	manure—continued. fetilizing value, (29) 737; (38) 433.
horn growth as affected by castration. (29) 772.	storage experiments. (37) 628.
horn growth as affected by castration, (29) 772. horns, a sex-limited character, (26) 769; (27) 370. host of spotted fever tick, (26) 64.	Manx, notes, (31) 75.
immunity against tuberculosis, (26) 181.	Marketing in the South, (37) 391. Marketing in the South, (28) 770.
	measurements, (29) 169.
anthrax, (28) 376, 778; (31) 82. gangrenous mammitis, (30) 83. pluriform septicemia, (27) 886. rabies, (30) 282. improvement, (29) 299. improvement, (29) 299. in glium, importation and exportation, (32)	storage experiments, (37) 622. Manx, notes, (31) 75. marketing in the South, (37) 391. Mauchamp, origin, (28) 770. measurements, (29) 169. Merino, in New South Wales, (30) 372. metabolism cago for, (26) 268. metabolism cayorimants, (30) 164- (27) 569- (28)
pluriform septicemia, (27) 886.	movaborism experiments, (20) 101, (21) 000, (20)
rables, (30) 282.	362.
improvement, value of good sires, (37) 866.	microbial flora of large intestine, (29) 466. mineral requirements, (40) 769.
in Belgium, importation and exportation, (32)	morphology of blood, (28) 777.
British Museum, (30) 767.	mineral requirements, (40) 769. morphology of blood, (28) 777. mucous membrance of, (26) 480. mutton, handbook, (28) 467. nematodes affecting, (34) 275; (35) 78. new born, weights, (32) 862. new parasitic disease affecting, (28) 680.
Germany, (33) 296, 668. Kongo, (31) 865.	nematodes affecting, (34) 275; (35) 78.
United States, (31) 73, 167, 868.	new parasitic disease affecting, (28) 680.
	new parasitic disease affecting, (28) 680. nutritive requirements, (31) 766.
in Australia, (27) 470; (29) 570; (32) 261.	of Asiatic Russia, (30) 469. Bosnia and Herzegovina, (30) 870.
Canada, (26) 769; (32) 771.	Manche, characteristics, (27) 71.
Chile, (27) 470.	Tunis and Algeria, description, (28) 672.
Great Britain, (26) 769.	Bosnia and Herzegovina, (30) 870. Manche, characteristics, (27) 71. Roman fields, characteristics, (27) 71. Tunis and Algeria, description, (28) 672. on alfalfa farms in Toxas, (34) 73.
Hungary, (27) 672; (29) 670.	
Oklahoma, (36) 765.	open range v. pasture and corral method of lambing, (34) 868. origin, (26) 368.
Pacific Northwest, (36) 766.	origin, (26) 368. origin and distribution, (31) 564.
Queensland, (27) 489.	pancreas, growth-producing substance in," (36)
Russia, (28) 468; (29) 570.	160. Darasites affecting, (38) 183: (40) 778.
industry— in Australia, (27) 470; (29) 570; (32) 261. British Empire, (28) 468, 874. Canada, (26) 769; (32) 771. Chile, (27) 470. Germany, (30) 170. Great Britain, (26) 769. Hungary, (27) 672; (29) 670. New Zealand, (31) 467; (33) 268. Oklahoma, (36) 765. Pacific Northwest, (30) 766. Philippines, (26) 666. Queensland, (27) 489. Russia, (28) 468; (29) 570. South America and Western Europe, (31) 895.	parasites affecting, (38) 183; (40) 778. parasites, remedies, (31) 666. pasturing experiments, (32) 567; (35) 567; (36) pasturing experiments, (32) 567; (35) 567; (38) 67, 175; (39) 879; (40) 371. pasturing on irrigation ditches, (40) 472.
Spain. (29) 370.	pasturage system for, (34) 566.
Tennessee, (32) 670. Union of South Africa, (31) 268. United States, (26) 389, 769; (31) 868. United States, New Zealand, and Austra-	67, 175; (39) 879; (40) 371.
United States, (26) 389, 769; (31) 868.	pasturing on irrigation ditches, (40) 472. paunch movements in, (27) 68.
United States, New Zealand, and Austra- _lia, (34) 372.	Daysiological function of pineal gland, (29) 168.
Uruguay, (27) 171. instruction in New South Wales, (26) 799.	Piebald, notes, (31) 75. pine needles for, (28) 768; (35) 474.
instruction in New South Wales, (26) 799.	plague, immunization, (32) 184.
monograph, (28) 268. statistics, (27) 571.	plague, immunization, (32) 184. posioning by—see also Plants, poisonous. flarseed screenings, (26) 86. loco weed, (31) 781.
injections foot disease of, (26) 383, 882.	loco weed, (31) 781.
inheritance— in. (34) 864.	10D1Des. (36) 276.
in, (34) 864. of color in, (38) 574. fertility in, (38) 574.	western goldenrod, (37) 482. woody aster and death camas, (28) 197.
horn and wool covering in. (28) 570.	Zygadenus, (33) 177. pox, experimental transmission, (28) 183.
hern and wool covering in, (28) 570. horn and wool covering in, (28) 570. horns in, (27) 488, 870; (28) 207. mutton points, (39) 472. short ears in, (35) 772. twinning in, (34) 73; (39) 775. wool characters in, (32) 99, 399. wool color in, (29) 771. wool production in, (34) 74	nor immunication (97) 886, (98) 985, (90) 880
short ears in. (35) 772.	651; (31) 884. pox, notes, (26) 373; (27) 583. prices, 1818-1915, (38) 575. primitive breeds and their crosses, (31) 75. primitive breeds in Scotland. (26) 768.
twinning in, (34) 73; (39) 775.	prices, 1818-1915, (38) 575.
wool color in. (29) 771.	primitive breeds and their crosses, (31) 75.
wool production in, (34) 74.	protection in Alaska, (36) 791.
internal parasites of. (36) 97.	pure-bred, in Montana, (36) 470.
wool production in, (34) 74. injury due to grazing, (29) 543. internal parasites of, (36) 97. intestinal parasites of, (34) 188. lack bears for (32) 367.	primitive breeds in Scotland, (26) 768. protection in Alaska, (36) 791. pure-bred, in Montana, (36) 470. rables affecting, (28) 586. raising, (37) 773.
jack beans for, (33) 267. Japan clover for, (26) 235.	
Japan dover for, (26) 235. Judging, (33) 71; (37) 94. Judging in secondary schools, (38) 496. Kentish, as affected by Chevito blood, (29) 369. killing dogs, (32) 866; (39) 172. Jabor requirements, (36) 790.	equipment for, (37) 388. in Alaska, (36) 470; (39) 168. Argentina, (37) 770.
Kentish, as affected by Cheviot blood, (29) 369.	Argentina, (37) 770.
killing dogs, (32) 866; (39) 172.	Australasia, (33) 270; (38) 372. blue grass region, (35) 868.
lessons on, (27) 394.	Colorado, (38) 772. French Sudan, (26) 268. Great Britain, book, (26) 167. Kentucky, (38) 273; (39) 371. Louisiana, (29) 459. Maine, (38) 78; (37) 676; (39) 372. New England, (39) 172.
lip and leg ulceration in, (31) 880.	Great Britain, book, (26) 167.
lessons on, (27) 394. lip and leg ulceration in, (31) 880. localization of pigment in, (27) 369. louping-ill or trembling in, (36) 83.	Louisiana. (29) 469.
magnet flice	Maine, (33) 73; (37) 676; (39) 372.
description, (32) 757.	North and South America, (34) 305.
in Australia, (29) 656; (30) 160. notes, (34) 64; (37) 160; (38) 466.	North Carolina (28) 72
maintenance requirements, (26) 665.	the West, (35) 667; (40) 177.
management, (29) 870. management—	Ontario, (29) 309. the West, (35) 667; (40) 177. Wisconsin, (35) 272. on Indian reservations, (35) 374.
guide. (26) 570.	irrigation projects. (38) 168.
on national forests, (34) 868.	southern farms, (32) 568.
on the farm, (30) 372; (37) 676. treatise, (35) 772.	irrigation projects, (38) 168. southern farms, (32) 568. the farm, (38) 69, 298, 575. the range, treatise, (29) 666. Rambouillet, in France, (29) 273.
manure-	Rambouillet, in France, (29) 273.
analyses, (28) 727; (32) 519; (34) 521; (36) 120; (38) 23.	Rambouillet, inbreeding, (28) 366. range, cottonseed cake for, (89) 172.
and wool waste, analyses, (32) 32. effect on soil potash, (36) 625.	range, emergency feed for, (40) 277. rations for, (30) 169.
CHOOL OIL SOIL DONGOIL (DO) 020.	

Sheep-Continued.	Shellfish—Continued.
refuse brewers' yeast for, (33) 568. reproductive organs, (27) 369.	relation to typhoid fever, (28) 258.
reproductive organs, (27) 369.	sewage-polluted, damage from, (27) 866.
resistance to trypanosomiases, (26) 84. respiration calorimeter for, (28) 463.	transmission of diseases by, (30) 368. Shells, analyses, (35) 430.
reversion in, (34) 73.	Shelter belts—
rotation of blood plasma and serum in, (29) 881.	notes, (37) 837.
rumination in, (26) 469. sarcosporidia in, (28) 885.	on the Great Plains, (40) 841, 842. planting in northern Great Plains, (34) 742.
scab—	renewing. (35) 146.
control in California, (34) 275.	Shenandoah River sediment, analyses, (30) 223.
control in Howeii (34) 477	Sheora grass, analyses, (28) 768. Shepherd's purse—
control in England, (36) 275. control in Hawail, (34) 477. in Germany, (28) 583.	geographical distribution, (26) 335
in Great Britain, (32) 271; (34) 382; (36) 378.	new species, (26) 529.
notes, (35) 78; (39) 387; (40) 576, 778.	Shepherds of Britain, book, (26) 167. Shetland ponies, treatise, (30) 270.
parasite, life history, (33) 384.	Shield bearer, resplendent, notes, (30) 657.
tobacco dips for, (29) 194.	Shield scale fungus, notes, (27) 358.
in Germany, (28) 583. in Great Britain, (32) 271; (34) 382; (36) 378. notes, (35) 78; (39) 387; (40) 676, 778. outbreaks in England, (38) 282. parssite, life history, (33) 384. tobacco dips for, (29) 194. treatment, (27) 477. screenings for, (32) 770. selection on basis of family performance. (37)	Shillong—
selection on basis of family performance, (37)	fruit experiment station, report, (33) 238. (Upper) station, report, (33) 227.
676.	Chingle
serum, complementary and antihemolytic prop- erties, (31) 277.	industry in Canada. (26) 544; (28) 644; (30) 46; (32) 841; (35) 347; (36) 244; (37) 245; (38) 146 industry in United States, (30) 845.
sex determination in, (31) 267.	(32) 841; (35) 347; (36) 244; (37) 245; (38) 146
shearing—	roofs, fire retardents for, (36) 687.
and washing experiments, (35) 477. shed, yards, and dip for, (33) 589.	Shingles—
sheds and yards, construction (34) 789.	preservation, (38) 248.
sheds, description, (37) 572.	production in 1915, (37) 148. production in 1916, (39) 452.
twice v. Shearing once, (26) 368. Siebenburg Racka, notes, (26) 275.	production in 1915, (39) 452.
skull and head measurements, (28) 767.	production in 1917, (40) 843. Shiokara, ripening, (28) 359.
skull and head measurements, (28) 767. slaughter tests at Smithfield Show, (31) 565.	Ship stuff, analyses, (26) 362, 568, 768, 873; (27) 171; (28) 265, 669; (29) 270, 467; (31) 366, 467; (32) 667, 862; (33) 71; (34) 263, 566, 767; (38) 572.
slaughtering on the farm, (35) 317.	(28) 265, 669; (29) 270, 467; (31) 366, 467; (32) 567,
sphagnum turf for. (35) 474.	Shipping associations, cooperative, (33) 91.
stone, description, (26) 874.	Shipping associations, cooperative, (33) 91. Shipping fever, see Influenza, equine.
slaughtering on the farm, (35) 317. "spewing sickness," cause, (36) 680. sphagnum turf for, (35) 474. stone, description, (26) 874. streptococcic infection in, (28) 271. structure of third stomach, (28) 271. Suffolk origin and characteristics, (26) 165, 874.	Ships' lines, rat guard for, description, (27) 550. Shiromoli seed, oil of, (37) 109.
Suffolk, origin and characteristics, (26) 165, 874.	Shivaphis n.g. and n.sp., description, (40) 650.
susceptibility to tuberculosis, (26) 178. tapeworm, morphology, (30) 584.	Shoddy-
tapeworm, morphology, (30) 584. Tasmanian Merino, notes, (29) 572.	and shoddy waste, analyses, (28) 523.
textbook, (31) 470.	and shouly waste, almayses, (25 alm.) dirt, analyses, (32) 32; (33) 125, 327. fertilizing value, (32) 325; (33) 125, 327. "Shogad," islohiton from ginger, (39) 610. Shoots, growth as affected by decapitating or in-
tick-	"Shogaol," isolation from ginger, (39) 610.
as host of Nosema spores, (30) 459. eradication, (32) 757; (38) 357.	Shoots, growth as affected by decapitating or in-
eradication in New Zealand, (38) 82.	version, (33) 827. Shop work on farms, textbook, (33) 792.
flagellate, relation to sheep's blood, (26) 760.	Shorea robusta—see also Sal.
in South Australia, (31) 853.	ecology, (32) 144; (36) 345, 844. economic value, (30) 239.
infested, dipping, (32) 796. life history, (29) 756. notes, (26) 751; (32) 377.	germination tests, (27) 147.
notes, (26) 781; (32) 377.	pirth increment in even-aged crops, (40) 100.
frynanosome in. (26) 383.	natural reproduction and improvement, (34) 347, 839.
viability, (37) 764.	regeneration, (40) 843.
notes, (20) 71, (32) 31. paralysis in, (30) 182. trypenosome in, (26) 383. viability, (37) 764. treatiso, (26) 165; (30) 705; (31) 768; (32) 365. uniform classification for fairs, (33) 697.	Sh ante
	Shorts—Sanalyses, (26) 468, 568; (27) 68, 171, 775; (28) 265, analyses, (26) 468, 569; (30) 366, 371, 467; (32) 465, 667, 862; (33) 71, 568, 870; (34) 169, 263, 566, 663, 767; (34) 65, 268; (39) 370; (40) 72, 671, 768, 368, 368, 368, 368, 368, 368, 368, 3
vegetable-ivory meal for, (36) 368.	465 667 862: (33) 71, 568, 870; (34) 169, 263, 566,
vegetable-ivory meal for, (36) 368. warm water for, (37) 288. weight of successive clips, (39) 775.	663, 767; (36) 65, 268; (39) 370; (40) 72, 571, 768.
wild, notes, (31) 367.	
wild, notes, (31) 367. wild, of the Argali type, (31) 768.	Shoshone irrigation project, drainage of, (31) 889.
wild, origin and distribution, (29) 469. wintering experiments, (28) 573.	Shote— pox. studies, (40) 89.
Wintering in North Carolina, (33) 51.	tvohoid
wireworm, life history, (29) 470.	objections to use of term, (33) 182, 285. relation to hog cholers, (32) 83, 378, 881.
Yunnan, notes, (35) 375. Sheepskins, curing and marketing, (27) 470.	studies, (33) 680; (34) 82.
Shellac-	Shot-hole borer—
arsenic content, (26) 710.	affecting loquats, (34) 361.
detection in ethyl alcohol, (29) 312.	affecting tea, (32) 852. digest of data, (38) 564.
manufacture, (27) 210. methods of analysis, (27) 210.	
Shellfish—	injurious to sai, (36) 360. notes, (26) 753, 759; (27) 755; (28) 555, 653; (29) 153; (30) 657; (34) 361; (36) 258, 754, 853.
bacteriological examination, (29) 814. examination, (32) 854; (36) 159.	158; (30) 657; (34) 361; (36) 258, 754, 555. occurrence in California, (30) 161.
green color in, (36) 861.	d shouldered notes (XX) 76%
handling and marketing, (31) 63.	red-shouldered, on pecan, (38) 157; (39) 557. relation to pear bacterial blight, (26) 144.
examination, (32) 554; (36) 159. green color in, (36) 861. handling and marketing, (31) 63. industry in New Jersey, (32) 357; (36) 689. industry, sanitary control, (36) 463. industry treatise, (27) 472.	
industry, treatise, (27) 472. inspection in New Jersey, (35) 165.	Showers midsummer, at Galvestoll, 1 blas, (20) ole-
inspection in New Jersey, (35) 165. methods of examination, (35) 287.	Shoyu, preparation, (32) 560.
	Shredded wheat—
pollution, relation to sewage bacteria, (27) 212 Potomac River, examination, (35) 287.	analyses, (32) 667. waste, analyses, (27) 872; (30) 68; (33) 371; (34)
problems, research on, (40) 459.	665: (35) 373.

Shrew—	Shrubs-Continued.
new, from Nova Scotia, (37) 758.	ornamental-continued
new, from Oregon, (40) 351. short-tailed, feeding habits, (32) 54.	culture experiments, (29) 235; (32) 437. culture in Alaska, (20) 743. description, (35) 450. destruction by Chinese cotton scale, (26)
Shrike, California, destruction of locusts by, (28)	description, (35) 450.
851. Shrimp—	destruction by Chinese cotton scale, (26) 556.
analyses and use, (37) 863.	for Florida, (34) 535.
canned, tin salts in, (26) 66. creatin and creatinin content, (31) 760.	Kansas, (31) 536. Oregon, (39) 241.
preparation and shipping, (37) 863.	unfavorable city conditions, (33) 442.
waste as fertilizer, (37) 863. Shrub diseases, prevalence in Toxas, (26) 645.	insects affecting, (27) 453; (35) 756.
Shrub seeds, germination, (33) 343.	notes, (29) 395. of Dade County, Florida, (31) 239.
Shrubs— acclimatization, (34) 231.	of Hawaii, (37) 546. selecting, (40) 640. tests, (36) 443.
and trees for seaside planting, (40) 447.	tests, (36) 443.
trees, of central Europe, handbook, (30) 742.	treatise, (37) 44. varieties, (29) 235, 540; (36) 837.
trees on the farm, (40) 447. trees, treatise, (30) 445. annual growth of, (35) 841 as affected by freezing, (28) 824, as affected by tarred roads, (27) 30, 333.	periodicity and annual ring formation, (28) 340.
annual growth of, (35) 841 as affected by freezing (28) 824	phenological data, (33) 525.
as affected by tarred roads, (27) 30, 333.	planting on dry farms, (28) 49 propagation, (28) 840; (34) 533.
assimilation and chlorophyll content of leaves, (28) 728.	propagation and pruning, (30) 236.
at Belle Fourche experiment form. (36) 143	propagation by cuttings, (40) 340. pruning, (37) 242.
berry-bearing, for birds, (34) 238. bibliography, (34) 238. blooming dates for, (26) 237; (27) 240.	quarantine law in Missouri, (26) 854.
blooming dates for, (26) 237; (27) 240.	relation between root habit, ground water, and species distribution, (29) 136.
breeding and culture experiments, (38) 641. Chinese, for Pacific slope and Gulf coast regions,	ripening of growing parts, (35) 542. secondary growth phenomena, (28) 340. transpiration in, (27) 522. transplanting, (27) 491.
(35) 450.	transpiration in. (27) 522.
Chinese ornamental, notes, (32) 440. culture, (31) 140; (36) 585.	transplanting, (27) 401.
culture—	treatise, (26) 140; (28) 342; (29) 842; (34) 345, varieties, (34) 231; (38) 142, 641.
and care, (34) 836. experiments, (26) 237; (28) 147; (32) 542; (37)	water conductivity of wood, (40) 821.
241.	Winter injuries, (31) 49.
in California, (26) 47. California, treatise, (33) 441. western Nebraska, (29) 546; (32) 234.	Shucks, ground, analyses, (34) 767. Sialia n.sp., description, (37) 846. Sibine stimulea, see Saddle-back caterpillar.
Western Nebraska, (29) 546; (32) 234.	Sibine stimulca, see Saddle-back caterpillar. Sibinia peruana n.sp., description, (32) 658.
eye igreen, winter transpiration of, (31) 728, for eastern Colorado (37) 837	Sickness, effect on growth of the brain, (34) 662.
home grounds, (34) 741; (39) 450.	Siculades fulcata, notes, (30) 657.
evergreen, winter transpiration of, (31) 728, for eastern Colorado, (37) 837. home grounds, (34) 741; (39) 450. Illinois, (28) 840; (34) 45. Kansas, (35) 43.	fiber, tests, (31) 526.
latitude of St. Louis, (34) 439. northern Minnesota, (37) 241.	rhombifolia-
northern Minnesota, (37) 241.	analyses, (34) 35. analyses and valuation, (30) 138.
ornamental plantings, (38) 45, railway gardening, (35) 450. southeastern Alaska, (33) 638.	fiber, examination, (30) 442. Sieves, cement, tosts, (30) 888.
southeastern Alaska, (33) 638. Truckee-Carson reclamation project, (31)	Sigalphus daci n.sp., description, (26) 152.
835.	Sigaiphus spp., notes, (27) 564.
forcing experiments, (28) 837. handbook, (26) 642; (27) 346.	Sigalsoesa n.spp., notes, (35) 250. Signiphora—
hardy elimbing, description, (35) 450. hardy, for Maine, (35) 840. hardy, of the British Isles, treatise, (32) 837. indigenous to Australia, (26) 830, inserts affecting, (28) 854, (27) 246	flavopalliata occidentalis, notes, (35) 761.
hardy, for Maine, (35) 840. hardy, of the British Isles, treatise, (32) 237	giraulti n.sp., description, (31) 554. lutea n.sp., description, (29) 359.
Indigenous to Australia, (26) 830.	merceti n.sp., description, (37) 360; (38) 460.
insects affecting, (26) 654; (27) 346.	n. spp., descriptions, (31) 356. nigrita, notes, (31) 356.
new, in Kew Gardens, (31) 236.	nigrita, parasitic on San José scale, (29) 758.
new or noteworthy, from Columbia and Cen-	metedi n.sp., description, (37) 380; (38) 460. n. spp., descriptions, (31) 355. nigrita, notes, (31) 356. nigrita, parasitio on San José scale, (29) 758. occidentalis, parasita on orange scale, (26) 554. pulchra, notes, (27) 550.
tral America, (34) 827.	ביים ביים ביים ביים ביים ביים ביים ביים
insects affecting, (28) 654; (27) 346. Ilst of seeds, (28) 235. new, in Kew Gardens, (31) 236. new, of Philippines, (38) 247. new or noteworthy, from Columbia and Central America, (34) 827. of central Europe, (31) 538. eastern United States, (37) 746. Europe, encyclopedia, (31) 143.	thoreauini n.sp., description, (35) 760. Signiphorinae, monograph, (30) 759.
	Silage—see also Alfalfa, Clover, etc. analyses, (27) 170, 775; (28) 169, 463; (29) 270, 367; (30) 565; (31) 470; (32) 169, 465; (38) 409, 759; (35) 562; (36) 65; (38) 175, 376. and alfalfa hay for bed production, (38) 378. and cottonseed meal, associative digestibility.
Florida, handbook, (30) 445. Konahuanui region, (34) 537.	8031 yses, (27) 170, 775; (28) 169, 463; (29) 270, 367; (30) 565; (31) 470; (32) 169, 165; (38) 469
Mexico, (27) 147.	759; (35) 562; (36) 65; (38) 175, 376.
Minnesota, manual, (28) 145. Missouri River basin, (34) 838.	and cottonsced meal, associative digestibility,
New Mexico, (29) 842. North America, (33) 437. Oabu lowlands, (34) 345.	(37) 65.
Oahu lowlands, (34) 345.	and slage fermentation, (36) 710. bacteriology, (32) 363; (34) 766; (35) 769; (36)
Oklahoma, (29) 441 Pacific coast, (34) 152	611; (38) 379. beet-top, inoculation with lactic-acid bacteria,
Southern Circle of Central Provinces. (32)	(34) 767.
United States, treatise, (33) 437.	cane-top, (35) 562.
W yoming, (38) 255.	changes in during storage, (30) 525. composition and digestrbility, (21) 467.
ornamental— adaptation and variety tests, (29) 41.	corn-
at Belle Fourche Experiment Farm. (22)	and bean, analyses, (89) 773. soy bean, analyses, (83) 568.
837. at forest nursery in Rhodesia (40) 641	soy bean, analyses, (83) 568. soy beans, seeding, (40) 125. sunflowers, yields, (40) 382, 431.
blooming dates, (34) 144. breeding experiments, (29) 235.	culture experiments, (40) 785.
breeding experiments, (29) 235. causes affecting growth, (33) 49.	varieties, (40) 738.
culture, (29) 148.	varieties, (40) 733. variety tests, (39) 333, 835. ylelds, (39) 227, 336, 837; (40) 331

Offices Continued	Silogo - Continued
Silage—Continued.	Silage—Continued. pathogenic anaerobe from, (38) 384.
cost of production, (30) 333; (32) 527, 530; (33) 831; (35) 691; (36) 167.	nathogenic hecilitis from (39) 387.
crops—	phosphated, notes, (31) 422, 623.
culture experiments, (27) 638.	physical changes during digestion, (39) 476.
for out-over lands (20) 221	preparation, (33) 467.
dairy cows, (38) 174. Kansas, (29) 575. Nahamata	preservation, (28) 464.
Kansas, (29) 575.	preservation and ripening in warm climates,
	(40) 116.
Nevada, (39) 134.	rape, feeding value, (35) 768.
Oklahoma, (31) 829. western Washington, (38) 637.	relation to forage poisoning, (39) 586. review of investigations, (27) 170.
notes, (34) 192.	sorghum and cowpea, mineral constituents, (40)
production, (39) 737.	769.
production, (39) 737. tests, (35) 337; (38) 630, 636.	spoiling in metal silos, (32) 285.
varieties, (37) 533.	stack, directions for making (28) 468.
variety tests, (39) 33, 736; (40) 134, 330, 731.	stack system, (29) 768. stacking, (34) 565. studies, (33) 274.
yields in Australia, (38) 133.	stacking, (34) 565.
determination of acidity in, (30) 415.	Studies, (35) 2/4.
digestibility, (32) 668; (39) 475.	summary of data, (26) 393. summer, v. soiling, (26) 574.
digestibility and productive value, (37) 865. digestibility in mixed rations, (34) 169.	tests, (29) 683. use, (28) 686; (27) 68.
effect on—	use, (26) 686; (27) 68.
butter, (39) 485.	use in Great Britain, (59) 209.
butter, (39) 485. concrete, (32) 590.	v. beets and mangels for milk production, (34)
fetal development, (33) 266.	670.
concrete, (32) 590. fetal development, (33) 266. melting point of milk fat, (37) 74; (38) 682. quality of Swiss cheese, (36) 876. feeding, (30) 37; (31) 168; (33) 568; (34) 192. feeding value, (39) 474, 475, 482, 775; (40) 666, 769. fermentation, (36) 802; (38) 111, 772, 802.	v. cotton-seed hulls for steers, (31) 469; (32) 260,
quality of Swiss cheese, (36) 876.	568.
leeding, (30) 37; (31) 168; (33) 568; (34) 192.	v. soiling crops for dairy cows, (30) 874. value and use, (34) 665.
10001118 VIIII0, (58) 9/4, 9/0, 902, 1/0; (40) 000, 108.	variation in ether extract, (38) 413.
fermentation—	volatile alighatic acids of, (28) 608, 609.
heat production in. (37) 612.	volatile fatty acids and alcohols in, (28) 109
heat production in, (37) 612. in, (35) 9. studies, (27) 204. fermenting with lacto-pulp, (27) 170.	wheat, notes, (33) 337.
studies, (27) 204.	Silica—
fermenting with lacto-pulp, (27) 170.	absorption by oats, (31) 632. as a plant food, (30) 27. concentration in surface soil, (31) 720.
	as a plant food, (30) 27.
beef realty, (37) 367. beef production, (28) 572; (29) 771. breeding ewes, (31) 367.	concentration in surface soil, (31) 720.
breeding ewes, (31) 367.	crucibles, marking, (26) 715.
(alry cows, (31) 0/3; (37) 73, 082.	orucibles, marking, (26) 715. determination, (35) 314. distribution in loam soils, (31) 618.
fottaning chann (25) 275	extraction from feldspar, (28) 223.
dairy cows, (31) 573; (37) 75, 682. fattening cattle, (31) 266. fattening sheep, (35) 375. horses, (35) 869; (38) 676.	from feldsner (29) 518.
horses and mules, (32) 670.	from feldspar, (29) 518. of feeding stuffs, digestibility, (40) 769
lambs, (29) 271.	plant, and sand, differentiating, (40) 610.
lambs, (29) 271. sheep, (26) 570; (32) 261; (34) 171.	rôle in cereal nutrition, (32) 121.
sheep and lambs, (29) 572.	rôle in plant nutrition, (26) 530.
steers, (28) 266; (29) 667; (31) 470; (33) 468.	solubility, (38) 310.
sheep and lambs, (29) 572. steers, (28) 266; (29) 667; (31) 470; (33) 468. summer feeding, (29) 473. forage poisoning due to, (37) 689. formation charging charges in (32) 710	solution in underground waters, (28) 27.
formation, chemical changes in, (32) 710.	Silicate rocks, potash from, (27) 628; (28) 33; (37) 427.
from corn stover (38) 802	Silicates—
dry corn fodder, (29) 769. dry shock corn, (32) 666. native grasses, (38) 432. oats and mixed grasses, (36) 436.	as a source of potash, (27) 724; (29) 215, 518, 822
dry shock corn, (32) 666.	decomposition by bacteria, (29) 316. decomposition by soil bacteria and yeast, (31)
native grasses, (28) 432.	121.
oats and mixed grasses, (36) 436.	detection, (26) 311.
pit silos, analyses, (32) 790. Russian thistle, (38) 669.	v. carbonates as sources of lime and magnesia for plants, (32) 622. weathering, (28) 322; (29) 123.
poft com care (34) 271	for plants, (32) 622.
soft corn ears, (34) 371.	weathering, (28) 322; (29) 123.
sorghum refuse, analyses, (27) 170. sweet potatoes, (39) 477, 482. turnip leaves, notes, (27) 669.	Silicic acid—
turnip leaves, notes, (27) 669.	determination in soils, (37) 505.
various crops, acidity, (39) 310, 878.	determination in water, (33) 711.
various crops, acidity, (39) 310, 878. various crops, feeding value, (39) 272.	in lime, effect on soils, (26) 34.
	in milk sterilized in bottles, (33) 675. soluble, in phosphetic slag, (29) 409. soluble, in Thomas slag powder, (30) 809.
nandbook, (29) 81.	soluble, in Thomas slag powder, (30) 809.
handbook, (29) 87. handling, (31) 891; (38) 390. importance in southern beef production, (29) 69.	Silicofluoric acid as wood preservative, (30) 646.
inconletion with lactic acid bacteria, (32) 304.	Silicon
767: (33) 467: (35) 373.	importance in animal nutrition, (31) 663.
767; (33) 467; (35) 373. lactic acid in, (29) 712. making, (38) 95, 665.	nitrogen, fertilizing value, (31) 821.
making, (38) 95, 665.	Silk—
making and leading, (28) 608, (31) 12, (32) 100,	in British colonies and dependencies, (35)
(39) 269.	
mannite in, (37) 801.	California, (30) 854.
mannitol in, (39) 107.	India, (28) 736.
manual, (32) 567. messuring, (37) 887; (39) 834.	Indo-China, (30) 549.
measuring, (37) 887; (39) 834. methods in Bavaria, (26) 666.	Italy, (33) 858.
methods of treatment, (40) 116.	California, (30) 854. India, (28) 738. Indo-China, (30) 549. Italy, (33) 858. Philippines, (27) 659. Value, University (20) 855
methods of treatment, (40) 116. methyl alcohol in, (32) 410.	Fhiippines, (27) 509. Yalung Valley, (29) 655. notes, (39) 557. treatise, (39) 560, 854. eri, culture, (28) 667. eri, notes, (27) 861. fibers, use in chemical analysis, (38) 9. Manchurian treatre, (38) 361.
microgreshisms in (33) 224, (37) 120.	10665, (30) 201. tractice (30) 566 984
normal tamperatures and factors influencing	ari, culture, (28) 657.
quality, (35) 270. notes, (27) 872; (28) 274, 581; (29) 689; (31) 72, 786; (32) 668; (34) 565; (38) 368; (40) 331. nutritive value, (28) 360; (29) 270.	eri. notes. (27) 861.
HOUSS, (21) 5(2; (40) 2(4, 651; (48) 668; (61) 44,	fibers, use in chemical analysis, (38) 9.
nutritive value, (26) 380: (29) 270.	Manchurian tussore, (38) 861.
oat and pea, analyses, (34) 467, 667.	
palatability, (37) 671.	of spiders, use, (31) 452.

Silk—Continued.	Silos—Continued.
producers, lepidopterous, classification, (27) 456.	pit, construction, (32) 190; (36) 91; (37) 789. pit, construction and use, (32) 790.
production—	pit, for Western Kansas, (30) 294.
and manufacture in China, (38) 361. in Manchuria, (28) 253	pit, semipit, and bank, construction, (37) 388, plastered, description, (28) 299.
1913, (35) 56.	power for filling, (32) 590.
1914, (36) 655 1915, (37) 463	sheep-feeding capacity, (32) 670. stave, construction, (29) 780; (34) 488; (36) 91.
Silkworm	stave, notes, (26) 91.
diseases, notes, (27) 456. eggs as affected by low temperature, (26) 452.	stone and brick, construction, (29) 489.
jaundice, investigations, (28) 856.	summer, use, (30) 875. treatise, (30) 389.
larvae, selection for flacherie resistance, (38)	treatise, (30) 389. vitrified tile, construction, (32) 590.
860. muscardine, notes, (26) 757; (27) 456; (32) 63.	wooden hoop, construction, (31) 489; (32) 888; (37) 491; (38) 190.
muscardine, notes, (26) 757; (27) 456; (32) 63. pebrine, corpuscles in, (30) 549. pebrine, notes, (29) 762; (39) 255; (40) 652.	Slipha bituberosa, studies, (37) 261
pebrine, notes, (29) 762; (39) 255; (40) 652. pebrine, studies, (27) 762; (37) 361.	Silphium laciniatum, transpiration in, (33) 29. Silt—
Silkworms—	carried by streams of Alps and Pyrenees, (33)
anatomy and physiology, (26) 556. bacillary septicemia of, (30) 53, 54.	718, 719; (34) 512. determinations in Colorado River, (37) 486.
preeding experiments, (34) 552.	distribution in soils, (28) 28.
composition at different stages, (31) 251. development of silk glands, (37) 158.	in the Rio Grande, (30) 418. problem in irrigation, (32) 882
dominant and recessive whites in, (31) 60.	Silvanus—
effect of chemicals on. (38) 460.	spp., notes, (34) 754.
embryology, (30) 456. experiments with, (32) 399. feeding on treated leaves, (39) 560.	surinamensis, see Grain beetle, saw-toothed. Silver—
feeding on treated leaves, (39) 560.	cleaning, electrolytic method, (36) 266, 865.
flacherie and polyhedral disease of, (32) 851. food plant for, (39) 258.	compounds, colloidal, effect on catalase, (26) 504.
genetic studies, (37) 158.	fish, life history and parasites, (35) 657.
grasserie in, (26) 149. identification, (36) 380	ISD, DOTES, (33) 459; (38) 364. leaf disease notes, (30) 845; (40) 748.
genetic studies, (27) 158. grasserie in, (26) 149. identification, (36) 380. in India, (39) 862.	fish, life history and parasites, (35) 657. fish, notes, (33) 459; (38) 364. leaf disease, notes, (30) 845; (40) 748. leaf disease, studies, (34) 744; (39) 553. metallic, effect on Aspergillus niger, (30) 824.
in whatescar and reunion. (29) 555.	metallic, effect on Aspergillus niger, (30) 824. nitrate, effect on—
life history and rearing, (37) 598. multivoltine hybrid races, (39) 158.	germinability of wheat, (34) 31.
of Africa, (26) 455. of Africa, agricultural importance, (32) 847.	germinability of wheat, (34) 31, germination of barley, (29) 629, starch ferments, (27) 109
oviposition and parthenogenesis in. (36) 459.	nitrate emulsion, fungicidal value, (26) 346.
papers on, (27) 456. parasites of, (26) 882.	nitrate emulsion, fungicidal value, (26) 346. salts, effect on Aspergillus nger, (20) 554. toxic effect on plants, (38) 628. Silyicultural experiments, methods of conducting,
parthenogenesis, (39) 659.	Silvicultural experiments, methods of conducting.
rearing, (31) S50.	(21) 041.
Silo— and water tank, combined construction, (30)	Silviculture— American, handbook, (28) 343.
489.	at International Congress of Agriculture, (30)
fillers, specifications, (37) 886. Mexican, description, (26) 188.	346. in America (35) 746
roofs, concrete, construction, (30) 293.	Canada, (37) 45.
Silos— and silage, booklet, (30) 670	in America, (35) 746. Canada, (37) 45. Costa Rica, (27) 147. India, (37) 547; (39) 648.
and silage, booklet, (30) 670. and silage, notes, (29) 270; (30) 371; (31) 72; (32) 590; (33) 90, 691; (35) 690; (38) 368.	Southern Apparachians, (61) 40.
590; (33) 90, 691; (35) 690; (38) 368. asphyxiation in, (32) 678.	the Tropics, treatise, (28) 343.
Durned clay block, construction, (30) 489	manual, (31) 143. review of investigations, (35) 346.
capacity, (37) 887. care of, (26) 91.	treatise, (35) 346. Silvonomy, treatise, (33) 541.
cement, construction, (27) 89, 793, 898.	Silybum marianum, analyses, (33) 466.
cement, construction, (27) 89, 793, 898. cement stuces, construction, (27) 590.	Simocephalus spp., heredity in, (32) 448.
clay tile, construction, (26) 686. comparison of different types, (29) 489.	Simodactylus cinnamomeus— investigations, (38) 163.
concrete—	notes, (27) 656.
block, construction, (30) 487. construction, (26) 91, 686; (32) 190; (34) 88,	Simplemphytus pacificus, notes, (32) 651. Simulidae—
488.	Brazilian, studies, (27) 57.
for cold climate, (38) 292. forms for, (31) 590.	of northern Chile, (37) 400. of northern Chile, description, (35) 258.
handbook, (26) 790.	of Saskatchewan, (39) 661.
forms for, (31) 590. handbook, (26) 790. pamphlet, (31) 892; (33) 892. treatise, (35) 294.	synopsis, (31) 254. Simulium—
construction, (26) 393; (28) 291; (29) 593, 689; (30)	dinellii, notes, (27) 560.
89; (31) 331, 591, 592, 786; (32) 86, 687; (34) 192, 892; (36) 167, 190, 288, (37) 501, 606, 780, (39)	larvae, parasites, (27)456; (29) 856; (30) 361.
CONSTRUCTION, (35) 291; (29) 593, 689; (30) 89; (31) 331, 591, 592, 786; (32) 88, 687; (34) 192, 892; (36) 167, 190, 288; (37) 591, 696, 789; (38) 190, 391; and 500 100 100 100 100 100 100 100 100 100	maculatum, oviposition, (34) 554. meridionale, see Turkey gnat.
construction and nilling, (31) 489; (39) 134.	meridionale, see Turkey gnat. n.sp. from Texas, (34) 64.
construction and filling, (31) 489; (39) 134. description, (26) 385; (31) 673. filling, (31) 881; (34) 138. for prairie farms, (35) 690.	n.spp., description, (28) 854; (35) 362. n.spp. from tropical America, (34) 554.
for prairie farms, (35) 690. gas from, analyses, (32) 679.	natural enemies of, (31) 551 nigritarsis, notes, (36) 559. oviposition of Brazilian species, (29) 54. problem in Illinois, (28) 560. relation to pellagra, (31) 452. reptans injurious to grazing animals, (35) 681. review of literature, (30) 159. spp., life history, (32) 82. spp., notes, (28) 854; (29) 454. spp., roletion to pallagra, (37) 156; (38) 853.
German types, description, (34) 565.	oviposition of Brazilian species. (29) 54.
Gurier, construction, (31) 786.	problem in Illinois, (28) 560.
Gurler, notes, (26) 91. handbook, (29) 87.	repaired to pellagra, (31) 402.
hollow tile, construction, (35) 792. mechanical pressure, (39) 99.	review of literature, (30) 159.
mechanical pressure, (39) 99. notes, (27) 68, 486, 872; (28) 581; (29) 473; (32)	spp., life history, (32) 82. spp., notes. (28) 854; (29) 454.
86, 189, 285.	onn relation to rellace (97) 188, (98) 258

2020202	021
Simulium—Continued.	Siskin, pine, destruction of grain aphids by, (29)
spp., studies, (34) 756.	452.
tenuipes n.sp., description, (35) 258. venustum, lesions produced by, (33) 156. vittatum, relation to pellagra, (26) 656.	Sisymbrium nasturtium-aquaticum, culture for wild ducks, (33) 251.
vittatum, relation to pellagra, (26) 656. Sinapis—	Sitka spruce beetle, notes, (32) 552. Sitodrepa panicea, notes, (26) 453; (33) 253; (37) 156.
alba, notes, (30) 145.	Sitona—
arvensis, dissemination by farm animals, (26) 839.	apacheana, notes, (35) 364. humeralis, morphology and biology, (32) 453.
arvensis, genetic studies, (27) 533.	lineata, biology, (34) 65.
oil, insecticidal and larvicidal value, (34) 359. Sinay beans, effect on nitrogen content of soils, (31)	lineata, notes, (40) 358. Sitones hispidulus—
783. Sincamas—	affecting alfalfa, (32) 851, in California, (37) 568.
culture in Philippines, (40) 231.	notes, (32) 650; (39) 358.
effect on nitrogen content of soils, (31) 733. Sinea diadema, feeding habits, (36) 253.	Sitotroga cerealella, see Angoumois grain moth. Sixeonotus luteiceps, notes, (28) 451.
Sinoxylon—	Skagit River basin, Washington, profile survey, (36)
basilare, see Xylobiops basilaris. sudanıcum, notes, (27) 54.	582. Skim milk—
Sipha flava— attacking sugar cane, (38) 762.	analyses, (26) 80, 171, 770; (28) 178; (29) 471. analyses and use, (26) 477.
notes, (33) 452.	and starch for calves, (36) 370.
Siphanta acuta, notes, (31) 249. Siphocoryne—	and starch for calves, (36) 370. and tankage for pigs, (32) 862. as human food, (38) 362, 663; (37) 669.
avenae, see Grain aphis, European.	ash ahaiyses, (29) 861.
essigi new name, (39) 657. Siphona plusiae, life history and anatomy, (33) 561.	beverage from, (33) 278. boiled, nutritive value. (33) 163.
Siphonaptera— new, of America, (36) 257.	casein from, (39) 386. cheese from, (30) 878; (37) 576.
of Peru, (27) 862.	composition in relation to fat content of whole
studies, (33) 563. Siphonella funicola, life history and habits, (38) 359.	milk, (36) 375. detection, (33) 714, 715.
Siphonophora—	detection, (33) 714, 715. digestability, (32) 768; (37) 673. dried casein from, (29) 676.
leptadeniae n.sp., notes, (31) 755. pisi, remedies, (34) 755.	dried casem from, (29) 676. dried, use in bread making, (28) 458.
rosae, notes, (28) 655. Siphons—	factors affecting fat content. (33) 383.
inverted, construction, (30) 85.	feeding value, (40) 75, 278, 279. for calves, (29) 668; (31) 75; (33) 268, 269, 374; (34) 774; (36) 565.
inverted, frictional resistance in, (30) 885. use on farm, (27) 589.	(34) 774; (36) 565. chicks, (39) 780.
Sires—see also Bulls.	
effect on dairy production, (35) 564; 570; (38) 476. futurity test, (38) 176.	infants, (36) 558.
popular, in animal preeding, (34) 3/0.	egg production, (38) 373. infants, (36) 558. laying hens, (35) 479; (39) 176; (40) 76, 773. pigs, (26) 571; (32) 170, 464; (33) 762. heated v. unheated, for pigs, (32) 569. metallic flavor in (38) 277.
purebred, value, (38) 298. selection, (37) 473. value in improvement of herds, (37) 866.	heated v. unheated, for pigs, (32) 569.
Siricidae of North America, (29) 359.	metallic flavor in, (35) 277. methods of analysis, (31) 114 nutritive value, (31) 161; (35) 663. pasteurization, (34) 673. pasteurization for calves, (36) 877. powder, officiency, for milk, production (28)
Sirup—see also specific kinds. analyses, (34) 660; (35) 558.	nutritive value, (31) 161; (35) 663.
evaporator, description, (29) 833.	pasteurization for calves, (36) 877.
for canning and preserving, (37) 15. making, (40) 830.	powder, efficiency for milk production, (36) 872.
methods of analysis, (38) 315. sources and composition, (37) 715.	powder, heated, nutritive value, (34) 369.
treating, (31) 117.	powder protein for milk production, (36) 671. powdered, analyses, (38) 804. relation to tuberculosis in pigs, (26) 181.
Sirups— for soda fountains, storage and care, (32) 356.	relation to tuberculosis in pigs, (26) 181.
frothy fermentation, (40) 615. table, food value, (29) 460.	specific heat, (32) 715.
table, food value, (29) 400. table, studies, (27) 766.	substitutes for calves, (26) 367.
Sisal— anthracnose notes (29) 346; (30) 845; (31) 641.	testing, (29) 879; (30) 875. testing for fat. (39) 182; (40) 378.
anthracnose, notes, (29) 346; (30) 845; (31) 641. binder twine from, (27) 534.	use in the diet, (36) 763.
and manufacture, (30) 831.	relation to tuberculosis in pigs, (26) 181. sour, for chicks, (32) 570. specific heat, (32) 715. standards, (29) 777. substitutes for calves, (26) 367. testing, (29) 879; (30) 875. testing for fat, (39) 182; (40) 278. use in the diet, (36) 763. utilization, (26) 779. utilization, treatise, (27) 75. variations in composition, (36) 874.
exporments, (30) 434; (37) 734. in Antigua, (38) 336. in England and German East Africa, (31)	variations in composition, (36) 374. Skin—
in England and German East Africa, (31)	biology of, (30) 201
333. in Philippines, (30) 229.	disease of cattle in Antigua, (34) 478. diseases, relation to diet, (31) 463.
date of cutting test, (27) 234.	maggot of man, notes, (31) 551.
disease, notes, (37) 453. fertilizer experiments, (31) 421.	reactions, anaphylactic, (38) 580. reactions in relation to immunity, (36) 382.
fiber from, (33) 530. fiber, strength of, (29) 313.	secretions, pigments of, (31) 274. sterilization, (40) 285.
fiber, tests, (31) 528. hemp, culture, (39) 100.	Skins—see also Hides.
nemp, Rhodesian, (39) 442.	and hides, book, (27) 775. anthrax infection from, (28) 781.
industry in Hawaii, (27) 717; (29) 208; (40) 336.	from China, disinfection, (35) 487. subcutaneous matter as cattle feed, (37) 171.
lactic acid in, (29) 615. leaf disease, notes, (34) 442. leaf spot disease, (36) 348.	tanned, identification, (28) 713.
leaf spot disease, (36) 348. leaves, composition, (27) 718.	tanning and dressing, treatise, (38) 13. Skuas, North American, distribution and migra-
standard grades, (36) 634.	tion, (34) 158. Skulls of—
varieties, (30) 434. waste, analyses and fertilizing value, (26) 126.	Japanese Bovidae, (26) 472.
waste, utilization, (27) 717. Sisalanae of West Indies, (38) 529.	Japanese cattle, (40) 276. Wild and domestic animals (27) 467.
Mineraliae of 11 con Hillies, (00) ozes.	-1

Skunk farming, notes, (34) 269, 873.	Smilax—
Skunks-	root borer, notes, (28) 854. rotundifolia, fruit of, (36) 502.
breeding for fur, (29) 672.	Sminthuridae, economic importance, (30) 753.
food habits. (33) 152.	Smith, J. B.—
Skunks— breeding for fur, (29) 672. economic value, (31) 370. food habits, (33) 152. Sky, blue color of, (35) 618. Sky light, polarization, (30) 317; (38) 812. Sky redskyton, charges in neutral points, (27) 316.	biographical sketch, (26) 403.
Sky light, polarization, (30) 317; (38) 812.	writings of, (29) 353. Smithing and forging, handbook, (36) 287.
Sky polarization, changes in neutral points, (27) 316.	Smoke—
Slag—see also Phosphatic slag. analyses, (28) 326. analyses, (28) 326.	abatement in Great Britain, (35) 620.
Concrete, Dissi-initiate, tests, (as) or.	acids in rain water, (32) 422. and daylight intensities, (37) 807.
methods of analysis, (29) 795. solubility in weak organic acids, (40) 709.	as source of atmospheric pollution, (34) 715.
use in manufacture of fertilizers, (29) 25.	cloud and high haze of 1916, (37) 115.
Slaughter-	damage caused by, (28) 811.
establishments in Netherlands, (28) 669	effect on— fruits, (27) 831.
tests, significance in animal breeding, (23) 271. Slaughterhouse offal, feeding value, (34) 866.	plant growth, (20) 422; (33) 126, 127, 428, 629;
Slaughterhouses—	(39) 630.
butchers' goods manufacturies for, (32) 457.	pines, (31) 730. rest period in plants, (35) 436.
butchers' goods manufacturies for, (32) 457. construction, (34) 767. handbook, (31) 166.	soil acidity, (31) 521.
humane methods in, (39) 583.	soils and vegetation, (27) 229. vegetation, (26) 38; (30) 32, 131, 432; (31) 34,
in Great Britain, France, Germany, and Neth-	626, 826; (35) 620; (38) 28.
erlands, (30) 276.	from lead works, effect on horses, (34) 278
inspection, (31) 359, 608; (32) 102, 567.	from lead works, effect on horses, (34) 278, from Mt. Hood, (34) 414.
inspection in— German Empire, (31) 760.	папотоок, (21) 212.
Massachusetts, (33) 260.	in forests, studies, (35) 436.
Montana, (33) 67.	in Selby smelter zone, (37) 634. investigations, defects in, (35) 133.
New Jersey, (32) 357. Pennsylvania, (27) 475.	investigations, defects in, (35) 133.
Utan. (33) 165.	to agriculture and forestry in Austria, (37) 528.
Virginia, (29) 766; (32) 661; (36) 63.	to plants, (32) 524, 729; (34) 744. leaf injury or loss due to, (35) 243.
municipal—	leaf injury or loss due to, (35) 243.
advantages of, (30) 60. bibliography, (36) 762.	pollution, plants as an index, (34) 299; (37) 130. problem. meteorological aspect, (31) 213; (32)
construction and operation, (37) 91.	117.
descriptions, (27) 167.	relation to grape mildew, (28) 152.
Slaughtering industry in United States, (31) 64.	toxicity toward plants, (29) 131, 529. Smokehouse—
construction and operation, (37) 91. descriptions, (27) 167. plans and specifications, (27) 167. Slaughtering industry in United States, (31) 64. Slav farmers in Connecticut, (31) 93. Slavs on southern farms, (32) 489. Slavs on southern farms, (32) 489.	description, (38) 476.
Slavs on southern farms, (32) 489.	for fish, construction, (37) 716.
Sleeping sickness, transmission by blood-sucking insects, (26) 150.	Smokehouses— construction, (28) 466.
Sleet—	construction, (28) 466. for prairie farms, (35) 690. Smudging, cost of, (29) 339.
American definition, (35) 618.	Smudging, cost of, (29) 339.
forecasting, (35) 808.	Smut—see also Coreal and Grain smut and specific hosts.
storm in northern New York, (29) 510. Slime, formation in soils, (29) 723.	blossom infection and distribution, (28) 149.
Slime mold, effect on crucifers, (33) 648.	cereal, spore germinations of, (31) 642.
Slime mold, effect on crucifers, (33) 648. Slingerland, M. V., writings of, (32) 56.	dissemination by threshing machines, (31) 148. fungi—
Slop, dried, analyses, (26) 165; (29) 311. Sludge—see also Sewage.	notes, (26) 746.
activated—	of Switzerland, (26) 645
analyses and fertilizing value, (34) 520.	parasitism, (31) 540. spore formution in, (28) 745.
experiments, (40) 386. fertilizing value, (38) 120.	treatise, (27) 746.
analyses, (35) 128.	of grain and forage crops, (35) 348. spores, determination in flour, bran, and
fertilizing value, (28) 734. fresh and decomposed, comparison, (29) 625.	cereals, (38) 146.
from paper mills, utilization, (33) 520.	spores, determination in wheat bran, (27) 310.
from paper mills, utilization, (33) 520. Imhoif-tank, fertilizing value, (40) 323. utilization, (29) 625; (33) 24.	treatment, (27) 132, 149; (80) 136, 241, 697; (35) 46.
utilization, (29) 625; (33) 24.	Smuts— from New Mexico, (39) 147.
Slugs—feeding habits, (34) 458.	of cultivated plants, cause and treatment, (30)
injurious to field and garden crops. (26) 658.	47.
remedies, (32) 246.	of Great Britain, treatise, (30) 745. Smynthurus—
Sluice gates, power required in operating, (36) 682. Small holdings—see also Land settlements and	arvalis, notes, (28) 158.
Land tenancy.	sp. injurious to truck crops, (32) 353. Snails—
system in British Isles, (40) 889.	as blister rust carriers, (39) 248.
Smallpox— complement fixation in, (34) 877; (40) 584.	edible, (33) 274.
in pigs, (34) 275.	fresh and canned, production and marketing,
vaccines for, (26) 676.	(31) 656. trematodes affecting, (33) 863.
Smartweed, analyses, (32) 169. Smegma bacillus, metabolism of, (33) 771.	Snake River basin—
Smelter—	hydrography, (32) 279.
	profile survey, (36) 583. Snake vemons, notes, (26) 676.
fumes, effect on plants, (28) 628; (31) 322; (34) 528; (35) 28, 213, 244.	Snakeroot-
gases, effect on insects, (38) 458.	toxicity, (38) 685, 883.
gases, effect on insects, (38) 458. gases, effect on pines, (27) 154. smoke injury in southeastern Tennessee, (31)	white, as cause of trembles, (37) 583; (39) 489. white, toxicity, (37) 195; (40) 681.
146.	Snakes—
wastes, effect on barley, (37) 526. wastes, fertilizing value, (32) 199	destruction of field mice by, (34) 751. experiments with, (29) 476.
wastes, fertilizing value, (32) 199. Smicra bergi, notes, (27) 559.	wounds and diseases, (40) 55.

Snapdragon—	Soap—Continued.
disease in Barbados, (34) 841. rust, control, (40) 155.	determination of water in, (39) 716. effect on settling of arsenicals, (26) 354.
rust, new, description, (33) 248.	effect on solubility of lead arsenate, (31) 409.
rust, notes, (38) 546.	examination, (31) 359.
Verticillium wilt, studies, (33) 244. Snapdragous, hybridization experiments, (30) 329.	from soy beans, (30) 614. glycerin determination in, (40) 804.
Sneezeweed, western, description, (39) 386.	grease, preparation, (35) 317.
Snipe, dying around Great Salt Lake, (33) 251. Snohomish River basin, hydrography, (32) 588.	hard, for oil emulsions, (39) 59. household tests for, (31) 462.
Snout beetles—	lyes, glycerol determination in, (40) 712.
destruction by white fungus, (26) 454.	making, (38) 867.
destructive to apples, (26) 759.	method of analysis, (40) 311. methods of examination, (29) 811.
Boy as an insecticide, (36) 753.	mixing with lead arsenate sprays, (38) 258.
chlorin content, (30) 815. conservation, (27) 617; (28) 414, 514.	mixtures, preparation, (27) 356.
conservation by pine forests, (33) 319.	nut tree, epiphytes on, (28) 852. solutions, analyses, (27) 441; (34) 661.
determination of density, (34) 510.	sprays, wetting power and efficiency, (36) 455. use with Burgundy mixture, (40) 746.
disappearance in high Sierra Nevada of Cali- fornia, (35) 419.	use with nicotin sprays, (40) 752.
effect on—	Soapweed—
atmospheric temperature, (31) 511.	as emergency forage, (39) 772. as feeding stuff, (40) 277, 471.
soil temperature, (30) 122. wintering of cereals, (26) 733.	as suage crop, (38) 4/1.
evaporation from, (31) 213. fertilizing value, (27) 317; (29) 209; (32) 419; (33) 716; (36) 19; (38) 619.	Social— center work, bibliography, (31) 598.
716: (36) 19: (38) 619.	centers in Kansas. (33) 694.
iorecasting, (35) 808.	centers in the Southwest, (27) 796. improvement clubs in Kansas, (26) 297.
injury to trees, (36) 448. limits in different climates, (27) 510.	life in the country, (31) 788.
measurement, (40) 715.	survey-
melting as affected by forests, (31) 716. nitrogen, chlorin, and sulphates in, (34) 615;	for rural communities, (31) 294. in Kentucky. (38) 694.
(38) 416.	in Kentucky, (38) 694. Missouri, (27) 390.
nitrogen content, (30) 211, 815; (32) 120, 615, 616;	northeastern Minnesota, (33) 786. Red River Valley, Minnesota, (33) 593
(40) 724, 809. of South Polar region, ammonia content, (28)	fural communities, (26) 687.
515.	southern Minnesota, (29) 489.
relation to forests, (29) 814.	southern Minnesota, (29) 489. Walworth County, Wisconsin, (33) 394 welfare in United States, (34) 791.
relation to irrigation and forestry, (29) 813. retention, relation to forest cover, (36) 143.	Society—
sampler and weigher, description, (31) 510	for Horticultural Science, proceedings, (28) 639 (29) 40.
slides and slips, (27) 616. slides from mountain slopes, (27) 414.	for Promotion of Agricultural Science, (26) 1
studies in United States, (31) 510. substances dissolved in, (40) 19. sulphuric acid content, (40) 314.	195; (28) 196; (30) 97; (32) 8, 95; (36) 297; (37 601, 899; (39) 701; (40) 299, 300.
substances dissolved in, (40) 19.	for Promotion of Plant Breeding in Germany
surface, condensation upon and evaporation from, (34) 413.	(30) 525.
surface, evaporation from, (38) 209.	of American Bacteriologists, (26) 575. of American Foresters, (26) 51.
survey on Cottonwood Creek, Idaho, (34) 614	Sociology, rural, outline for study, (30) 795.
surveys, (35) 420, 506, 619. surveys—	Sod, dryland, time for breaking, (36) 132. Sod oil, insecticidal value, (34) 359.
for predicting stream flow, (29) 314.	Soda-
for predicting stream flow, (29) 314. in Nevada, (29) 510; (38) 416. in Utah, (27) 616; (29) 721. methods and cost of making, (38) 87.	caustic, see Sodium hydrate and Sodium hydroxid.
methods and cost of making, (36) 87.	cellulose, notes, (34) 714.
value in irrigation projects, (21) 510.	distribution in loam soils, (31) 618. formation in soils, (36) 725.
value to the farmer, (38) 416. Snowballs for lawn planting, (39) 244.	fountain equipment, care and cleaning, (32) 35
Snowbirds, destruction of grain applies by, (29) 453.	in loess soils, (35) 809.
Snowdrops, carbohydrates of, studies, (27) 427. Snowfall—	lime, history and uses, (34) 804. loss in drainage water, (26) 422.
abnormal, at Springfield, Mo., (27) 413.	pulp, cooking, (36) 17.
artificial, in a train shed, (31) 213. greatest in United States, (33) 716.	replacement of potash by, as a fertilizer for suga beets, (32) 230, 324.
in California. (33) 716.	replacement of potash by in microcline, (30) 120
Canada, (36) 617. Carson, Walker, and Truckee watersheds,	sulphur dips, methods of analysis, (40) 208. use against gooseberry mildew, (36) 646.
(36) 719.	water, examination, (26) 660.
Columbia River Basin, (29) 510. eastern United States, (32) 25; (33) 118. Great Lakes region, (30) 815.	water, hygienic, notes, (32) 356.
Great Lakes region. (30) 815.	water sirups, examination, (26) 660.
New England, (37) 16, 807.	acetate for ruminants, (32) 667.
1913-14, (32) 810. Utah, (27) 413.	acetate, preservation of complement by, (39 584.
measurement, (27) 617; (29) 121, 510; (31) 213;	acid phthalate in acidimetry and alkalimetry
(33) 776.	(34) 408. ammonium sulphate, fertilizing value, (35) 124
relation to water supply, (37) 16. Snowflakes, gigantic, (33) 118.	518.
Snowflakes, gigantic, (33) 118. Snowstorm in Ohio, W. Va., and Pa., (30) 713. Snuff, analyses, (29) 866.	arsenate-
Snuff, analyses, (29) 866. Snuff, use, (31) 658.	kerosene emulsion, insecticidal value, (34 652.
Soap-	methods of analysis, (28) 507.
 analyses, (33) 753. bark, use, (32) 456. 	oxidation in dipping fluids, (38) 585. tick-killing properties, (29) 680, 886.
detection in ethyl alcohol, (29) 312.	toxicity, (29) 586.
•	

```
Sodium—Continued.
                                                                                                                                                                                                                                                                                            Sodium—Continued.

p-hydroxyphenylarsonate, preparation, (40)
                     arsente—
destruction of weeds by, (29) 748.
effect on soils, (33) 623; (34) 421.
for weed control, (32) 138, 741; (40) 430.
killing of ringburked trees with, (34) 485.
oxidation in dipping tanks, (29) 585.
toxicity, (29) 586.
aspartate, assimilation by plants, (26) 32.
                                                                                                                                                                                                                                                                                                                 hypo-iodite, neutral, action on formaldehyde, (34) 11.
                                                                                                                                                                                                                                                                                                               importance in animal nutrition, (31) 663. iodate for poisoning flies, (40) 859. iodid, effect on the circulation, (40) 274. lamp for polariscope, (34) 804. malate, action in the body, (36) 468. manures, effect on sugar content of plants, (28)
                                         zoate—
as food preservative, (28) 261; (30) 364.
determination in catsup, (26) 111; (27) 809.
effect on the animal organism, (32) 164.
notes, (29) 865.
physiological effect, (27) 365.
toxicity, (28) 661.
toxicity in the diet, (35) 473.
archonate—
                                                                                                                                                                                                                                                                                                                           34.
                                                                                                                                                                                                                                                                                                                 nitrate-
                                                                                                                                                                                                                                                                                                                                       action as affected by distribution in soils.
                                                                                                                                                                                                                                                                                                                                                  (35) 518.
                                                                                                                                                                                                                                                                                                                                      (30) 518. after effects, (29) 127. annlyses, (28) 326; (30) 222. application, (30) 623; (38) 624. application at different depths, (20) 126. application to winter grains, (33) 125. as feed for dogs and pigs, (31) 265.
                  toxicity in the clief, (35) 475.
blearbonate—
effect on basking quality of flour, (26) 356.
effect on hemolytic reaction, (36) 878.
effect on vitamin content of bread, (38) 465.
in artesian water of Virginia, (29) 512.
bisulphate, use in menufacture of phosphatic
fertilizers, (29) 319, 418.
bisulphite, method of analysis, (39) 413.
borate, effect on sugar beets, (31) 233.
carbonate, effect on—
availability of soil potash, (32) 126.
blood sugar content, (37) 64.
germination of dodder, (27) 28.
germination of seeds, (29) 328.
nitrification, (27) 124.
plant growth, (27) 500;
soil bacteria, (26) 322.
solubility of iron phosphate, (37) 324.
carbonate—
available.
                      bicarbonate-
                                                                                                                                                                                                                                                                                                                                      rice fertilizer, (31) 127.
spray for fruit trees, (36) 535.
top dressing for beets, (32) 323.
top dressing for grains, (37) 20.
top dressing for wheat, (37) 288.
winter spray for fruits, (30) 640; (31) 338.
availability, (39) 317.
                                                                                                                                                                                                                                                                                                                 nitrate, availability—
as affected by composition of soil, (32) 516.
as affected by soils, (30) 726.
in relation to soils, (34) 130.
in soils, (36) 819.
of nitrogen in, (26) 523; (35) 123, 426.
                     carbonate
                                         nonate—fertilizing value, (89) 117.
formation in calcareous soils, (38) 18.
formation in soils, (28) 516, 719.
in soils, (39) 323.
neutralizing cream with, (38) 281.
solutions, effect on saccharin substances, (26) 307.
                                                                                                                                                                                                                                                                                                                   nitrate
                                                                                                                                                                                                                                                                                                                                       behavior in cultivated soils, (28) 521.
destruction of weeds by, (26) 333.
drilling v. broadcasting, (31) 123.
effect of long-continued use, (32) 121.
                                                                                                                                                                                                                                                                                                               drilling v. broadcasting, (31) 123.
effect of long-continued use, (32) 121.
nitrate, effect on—
action of phosphates, (35) 326.
ammonification, (28) 724.
apples, (31) 338.
asparagus roots, (28) 236.
availability of soil potash, (32) 126.
burning quality of tobacco, (38) 140.
carnations, (36) 445.
coherence of soils, (31) 123.
composition of beets, (31) 737.
composition of teeredis, (37) 827.
composition of teadsy (34) 518.
cranberries, (30) 143.
decomposition of feldspar, (30) 126.
decomposition of soy bean fodder, (40) 214.
disease susceptibility in cereals, (29) 844.
flow of rubber latex, (29) 748.
flower size of tobacco, (33) 435.
germinating plants, (33) 128.
germination of dodder, (27) 28.
germination of dodder, (27) 28.
germination of seeds, (20) 328.
grass lands, (30) 133.
hydrogen-ion concentration in soils, (39) 425.
keeping quality of fruit, (27) 644.
legume inoculation, (40) 215.
lime roquirement of soils, (28) 122.
maturity of cotton, (31) 40.
mechanical condition of fertilizers, (26) 38.
nitrogen-assimilating bacteria, (38) 774.
nitrogen content of soil, (38) 213.
nodule formation, (37) 133.
peaches, (38) 840.
protein content of soy beans, (34) 141.
crafted and the sease of the content of soy beans, (34) 141.
crafted and content of soy beans, (34) 141.
crafted and content of soy beans, (34) 141.
                                          toxicity towards barley, (33) 323. use in Indian rape-seed cake, (26) 468.
                       chlorid, see Salt.
                      citrate-
                     action in the body, (36) 467.
effect on starch ferments, (27) 109.
prevention of milk curding by, (31) 710.
toxicity as affected by diet, (40) 465.
compounds, effect on baking quality of flour
(30) 555.
                      compounds, fertilizing value, (39) 117.
content of muscles, (28) 566.
                      oyanid-
                                          as fumigant for nursery stock, (38) 357. as insecticide, (26) 153. as soil fumigant, (32) 246; (38) 457. industrial synthesis, (32) 116.
                     industrial synthesis, (32) 116.
production from sugar beets, (20) 613.
toxicity to plants, (39) 224.
determination, (29) 807.
determination in foods, (29) 809.
determination in vegetable ash, (38) 311.
dichromate for liberation of formaldehyde gas
from water solutions, (33) 12.
effect on hydration and growth, (40) 818.
estimation, (39) 413.
fertilizers, effect on sugar content of plants, (27)
                         fertilizers, time of application, (27) 125.
                       fluorid-
                                          rid—
antiseptic value, (40) 779.
as milk preservative, (32) 576.
effect on animal body, (32) 80.
insecticidal value, (34) 252; (39) 762.
sterilization of soils by, (32) 816.
use against ants, (36) 556.
use against roaches, (27) 55.
Irate—
                                                                                                                                                                                                                                                                                                                                       nodule formation, (37) 133. peaches, (33) 840. protein content of soy beans, (34) 141. quality of sugar beets, (28) 44. resistance of grain to hail, (30) 519. soil acidity, (28) 137; (37) 23; (38) 620. soils, (27) 622; (28) 520; (29) 417; (30) 220; (35) 516; (36) 118. sugar beets, (26) 332; (33) 434. tobacco, (33) 732. wheat, (36) 197; (37) 799; (38) 438; (40) 244. wheat yield, (33) 217.
                       hydrate
                     and sulphur dip, preparation, (30) 783.
effect on permeability, (34) 429.
fertilizing value, (39) 117.
hydroxid as disinfectant for hides and skins,
                                   (35) 882.
```

Sodium-Continued.	Sodium-Continued.
	pyrophosphate, toxicity, (34) 476.
1071112111 Value, (26) 39, 42, 125, 233, 324, 320 425 524 526 527 630 635 725 927	removal from soil, (39) 517.
(27) 24, 32, 137, 218, 325, 337, 338, 436, 519,	requirements of plants, (28) 730. rôle in plant nutrition, (40) 424.
nitrate— fertilizing value, (26) 39, 42, 125, 233, 324, 329, 425, 534, 536, 637, 630, 635, 725, 837, (27) 24, 32, 137, 218, 325, 337, 338, 436, 519, 530, 531, 534, 626, 630, 724, 832, 833, 837, (28) 431, 521, 728, 724, 725, 737, 827, 832, (29) 23, 125, 213, 331, 632, 727, 735, 736, 829, 831; (30) 25, 125, 324, 427, 529, 626, 632, 637, 638, 639, 820, 822, 835, 839; (31) 36, 37, 41, 124, 137, 517, 518, 725, 820, 821, 822, 829; (32) 323, 336, 516, 532, 630, 831, 832, (33) 33, 219, 829; (34) 22, 24, 25, 128, 129, 518, 520, 622, 820; (36) 32, 30, 125, 126, 128, 129, 518, 520, 622, 820; (36) 32, 30, 125, 126, 128, 129, 518, 520, 622, 820; (36) 32, 30, 125, 126, 128, 128, 133, 325,	salicylate—
(28) 431, 521, 723, 724, 725, 737, 827, 832;	as a fly poison, (37) 53.
831: (30) 25, 125, 324, 427, 529, 626, 632, 637.	effect on metabolism in man, (35) 369. toxicity, (28) 661.
638, 639, 820, 822, 835, 839; (31) 36, 37, 41,	salts—
124, 137, 517, 518, 725, 820, 821, 822, 829;	antiseptic and germicidal value, (37) 176.
219, 829: (34) 22, 24, 25, 128, 129, 518, 520	as wood preservatives, (32) 841. salts, effect on—
622, 820; (35) 22, 30, 125, 126, 218, 323, 325,	activity of lipase, (31) 264.
336, 427, 518, 519, 535, 629; (36) 121, 332.	ammonia fixing power of soils, (27) 323.
521, 539, 540, 627, 636, 729, 733; (38) 212,	Aspergillus niger, (28) 824. catalase, (26) 504.
338, 425, 626, 818, 833; (37) 123, 220, 426, 521, 539, 540, 627, 636, 729, 733; (38) 212, 218, 220, 229, 233, 244, 422, 438, 517, 624, 438, 518, 518, 518, 518, 518, 518, 518, 51	composition of plants, (29) 419.
010, 020; (09) 21, 32, 242, 327, 334, 428, 434,	concrete, (29) 891.
438, 445, 446, 529, 530, 537, 623, 817; (40) 125, 126.	germination and growth of crops, (34) 125. growth of rice, (30) 833.
fertilizing value as affected by lime, (34) 132.	nitric-nitrogen accumulation, (40) 722.
for alfalfa, (37) 34.	physical properties of soil, (39) 215.
apples, (35) 540; (37) 42. arid soils, (36) 726.	plants, (29) 625; (32) 538; (35) 816, soil colloids, (35) 622.
98D979018 (28) 339: (36) 138	wheat seedlings, (36) 431.
carnations, (27) 844; (40) 741.	salts—
coffee, (40) 43. corn, (31) 831; (32) 732.	equilibria in solutions, (39) 203, 204. fertilizing value, (28) 819; (30) 627.
corn in the South, (40) 422.	flocculating power on clay, (27) 620.
cranberries, (31) 741; (34) 150, 341.	fractional crystallization, (39) 204.
early vegetables, (34) 532. grass lands, (33) 527.	in soil, antagonistic agents, (39) 619. production, (35) 24.
mangels, (29) 830.	therapeutic value, (38) 585.
moor sous, (40) 230, 822.	salts, toxicity—
oats, (31) 528. orchards, (36) 41	in soil, (36) 515. soil factors affecting, (40) 315.
orchards, (36) 41. pastures, (36) 735.	toward nitrogen-fixing organisms, (28) 519.
pineapples, (38) 748.	silicate as an egg preservative, (28) 359; (32) 870. silicate, fertilizing value, (27) 628; (31) 31.
potatoes and sugar beets, (31) 833. prunes, (40) 741.	sozolodolate, use against spirochetosis in fowls,
rubber trees, (26) 339.	(29) 484.
sweet potatoes, (31) 437.	sulphate as preservative for immune serums and
history and manufacture, (34) 423. industry and commerce, (35) 428.	antigens, (26) 83. sulphate, effect on—
industry in Austria-Hungary, (33) 822.	carnations, (36) 446.
inoculation of alfalfa with, (26) 535.	germination of seeds, (29) 328. nitrification, (27) 124.
loss from soils, (29) 211. manufacture, progress in. (29) 730.	nlant growth. (30) 31.
manufacture, progress in, (29) 730. nitrification in soils, (39) 814.	soil bacteria, (26) 322. soil potash, (36) 625.
production and use, (27) 327; (28) 625, 626;	solubility of phosphates, (28) 818.
production and use, (27) 327; (28) 625, 626; (29) 126, 213, 517; (30) 126; (32) 425, 516, 517; (33) 218, 219.	sulphate—
production in 1913, (31) 723.	fertilizing value, (27) 125; (39) 117.
production in 1915–16, (37) 523. residual effects, (31) 319.	toxicity toward barley, (33) 323. sulphid, effect on cement, (38) 691.
sale and distribution, (38) 625.	suiphite, physiological action, (29) 269.
secondary and subsidiary effects, (30) 26. situation in 1917, (39) 218, 824.	sulphocyanate, use against tuberculosis, (33) 877.
time of application, (32) 132.	sulphur mixture, insecticidal value, (34) 60.
trade in, (31) 29.	tartrate, toxicity as affected by diet, (40) 285,
use, (27) 421. use against grape chlorosis, (27) 850.	465. tellurite as test for viability of tubercle bacilli,
use against mosses, (29) 741.	(33) 877
use against mosses, (29) 741. use in fertilizers, (27) 723. use on peat soils, (37) 134, 135; (38) 132, 133.	thiosulphate, assimilation by yeast and mold fungi, (29) 29, 30.
v. ammonium sulphate for sugar beets,	thiosulphate, fertilizing value, (29) 521.
(31) 422.	toxicity toward plants, (30) 128.
v. cottonseed meal, (40) 516.	tungstate, effect on plant growth, (35) 434. v. potash for sugar beets, (33) 135.
v. dried blood for cotton, (31) 630.	Soft drink—
fertilizing value, (31) 518.	bottlers, sanitary code for, (32) 561.
oxidation, (39) 619. nucleinate—	establishments, sanitary control, (36) 562. Soft drinks—
assimilation by ruminants, (31) 71.	exemination, (34) 166.
effect on coagulation of blood and milk, (33)	sugar substitutes in, (40) 68.
importance in the animal organism, (33)	Softwood lumber industry in Middle West (38)
758.	sugar supertures in, (40) 08. use of second-hand kegs for, (34) 256. Softwood lumber industry in Middle West (38) 847.
oxalate— for standardizing potassium permanganate,	Soil— abrasion by storms in Russia, (38) 145.
(31) 501.	acidity—see also Soils, acid, and Liming.
toxicity as affected by diet, (40) 465.	aluminum as factor in, (40) 125.
paratungstate, use in determination of carbon dioxid and nitrogen pentoxid, (26) 708.	as affected by ammonium sulphate, (37) 815.
phosphate—	affected by drainage, (40) 22.
effect on germination of seeds, (29) 328.	affected by fertilizers, (29) 238. affected by moisture, (40) 316.
fertilizing value, (32) 518; (39) 127.	arcent of momental (set) and

oil—Continued.	Soil-Continued.
acidity—continued.	bacteria, as affected by—continued. crops, (37) 421.
as affected by organic matter, (37) 718. affected by sulphur, (31) 727.	cyanamid and dicyanodiamid, (40) 724.
blast-furnace slag for, (36) 728. cause, (37) 623, 624.	humus-forming materials, (37) 120. irrigation. (31) 24.
cause and detection, (34) 419. cause and nature, (35) 722. cause and nature, (35) 727. (36) 490 510-	irrigation, (31) 24. lime, (27) 720; (30) 127. limestone, (26) 428.
cause and nature, (35) 722. correcting, (26) 723; (35) 727; (36) 429, 519;	magnesium and calcium saits, (38) 818.
	manure, (26) 31; (27) 518; (32) 216; (35) 814;
determination, (30) 715; (31) 112; (32) 30, 610; (33) 200; (34) 609; (35) 23, 503; (36) 117, 210, 505; (38) 419, 720; (40) 213.	(37) 23. mineral fertilizers, (31) 821.
117, 210, 505; (38) 419, 720; (40) 213.	phosphates and sulphates, (33) 515. protozoa, (28) 330; (30) 322; (32) 321; (33) 515; (34) 326; (36) 422, 518, 622. salts, (36) 515.
acidity, effect on— availability of ammonium sulphate, (37)	515; (34) 326; (36) 422, 518, 622.
521.	salts, (36) 515. seasons, (36) 21; (37) 421.
grasses, (37) 446; (40) 125. nitrogen-assimilating bacteria, (39) 722, 723.	seed bed preparation, (36) 215.
vetch and oats, (40) 134.	sulphur, (30) 532. toluol and carbon bisulphid, (28) 824.
experiments, (35) 324.	volatile conifer products, (32) 618.
limestone action on, (40) 423. litmus-paper test, (39) 515.	water, (35) 814; (37) 421. bacteria—
measuring by sugar inversion, (40) 120.	at different depths, (36) 21.
nature, (40) 123. neutralizing, (32) 812; (37) 815; (40) 125, 815.	coli-like, studies, (38) 19. counting, culture media for, (32) 625.
notes, (29) 623, 816; (31) 322; (35) 120; (38)	decomposition of silicates by, (31) 121. determination, (28) 727; (29) 824; (31) 731;
298.	(36) 31.
acidity, relation to— green manuring, (38) 20; (39) 216, 326, 424. growth of orchids, (40) 812. line and potash content, (40) 812.	distribution and activities, (27) 822.
growth of orchids, (40) 812.	bacteria, effect on— plant growth, (31) 827.
mold action, (40) 319.	rock phosphate, (35) 723.
mold action, (40) 319. plant cover, (27) 29. plant growth, (39) 513; (40) 324.	solubility of phosphoric acid, (36) 513. bacteria—
acidity, studies, (28) 813; (28) 708; (29) 815; (31)	functions of, (31) 127. growth in muck, (30) 516.
acidity, studies, (26) 813; (28) 708; (29) 815; (31) 618; (32) 29, 212; (36) 813; (37) 24, 118; (38) 20, 511; (39) 514, 620; (40) 319, 620.	growth of. (31) 620.
511; (39) 514, 620; (40) 319, 620. air—	in acid soils, studies, (40) 620.
carbon dioxid content, (28) 320; (39) 516.	in acid soils, studies, (40) 620. migration of, (29) 21. nitrifying, effect on tricalcium phosphate,
composition, (40) 619. notes, (33) 618; (34) 514.	(39) 23. nitrogen-assimilating, (39) 722.
movement, (28) 619.	nitrogen-cycle, as affected by auximones,
aldehydes, studies, (40) 22. alkalinity, relation to plant chlorosis, (31) 50. amendments, effect on soil acidity, (37) 23.	(37) 517. nitrogen fixation by, (26) 123; (28) 628, (30)
amendments, effect on soil acidity, (37) 23.	217.
analysis— as guide to fertilizer needs, (31) 217; (35) 215.	nitrogen-fixing, in Iowa soils, (37) 517. nitrogen-fixing, studies, (38) 428.
by means of the plant, (32) 121.	nonsymbiotic nitrogen-fixing, (34) 815.
by means of the plant, (32) 121. clod method, (28) 717. error in, (29) 316; (30) 505. mechanical, (20) 219, 221; (27) 119; (28) 515, 620; (30) 213; (31) 418; (32) 120.	notes, (31) 818; (37) 298. nutrition of, (35) 814.
mechanical, (26) 219, 221; (27) 119; (28) 515,	of frozen soils in Quebec, (40) 513. oxygen requirements, (37) 221.
analysis, mechanical	potash-fixing power, (34) 815.
methods, (26) 29; (28) 318; (35) 721; (36) 114, 720; (38) 313.	hacteria relation to
relation to moisture equivalent, (39) 214.	evaporation, (27) 516.
shaker for, (32) 611. value, (27) 120.	angleworms, (29) 316. evaporation, (27) 516. fertilizers, (34) 326. hunus, (32) 721.
analysis, methods of, (27) 514, 515; (28) 111; (29) 308; (30) 12, 215, 624; (31) 312, 417, 514, 719, 806; (32) 295, 311; (33) 204, 205; (34) 806; (36) 204, 299, 318, 612; (39) 204, antiseptics, tests, (28) 538.	Hydrogon-ton exponent, (av) 120.
308; (30) 12, 215, 624; (31) 312, 417, 514, 719,	irrigation, (37) 80. soil fertility, (34) 619; (35) 215.
204, 299, 318, 612; (39) 204.	Dacteria-
antiseptics, tests, (28) 538. bacteria—	respiratory intensity, (31) 313. role in relation to phosphates, (40) 620.
action of microorganisms on, (39) 332.	spore-forming, (36) 523, studies, (29) 221; (31) 818; (35) 626; (37) 19, 516, 517; (40) 739.
action of toluene and chloroform on, (36) 815.	studies, (20) 221; (31) 818; (35) 628; (37) 19, 516, 517; (40) 739.
activity, (29) 20, 123, 817; (30) 217, 718; (31)	toxins, (40) 25.
126. bacteria, activity as affected by—	vanillin-destroying, (40) 24. variations in, (31) 26.
osmotic pressure, (40) 722.	Dacteriology, (32) 216.
plants ,(40) 299, 513. various woods, (39) 325.	bacteriology— course in, (28) 332. digest of data, (28) 826.
bacteria-	digest of data, (28) 826. discussion, (26) 718.
activity, relation to lime requirement, (39) 325.	laboratory manual, (27) 728; (33) 791; (36)
and fungi, ammonifying power, (32) 29. fungi, associative action, (36) 215.	692. methods in, (30) 218; (31) 420.
fungi, relative importance, (36) 434.	notes, (27) 516.
protozos, relation, (36) 322. soil productiveness, relation, (32) 124.	
	studies, (27) 517, 720; (28) 120, 121; (29) 21, (30) 624; (31) 121; (33) 120, 823; (39)
bacteria, as an ected by— acids and alkalis, (37) 213. alkali salts, (26) 322; (27) 124; (28) 519, 719; (32) 320; (33) 322.	324; (40) 125.) 84.
(32) 320; (33) 323,	blology
antiseptics, (31) 516. arsenic, (38) 322.	and physics, ancient ideas on, (30) 212. field and laboratory experiments, (36) 213.
calcium, (32) 33.	review of investigations, (30) 119.
continuous croppings, (35) 813	studies, nitrogen determination in, (40) 711.

Soil—Continued.	Soil-Continued.
botany, discussion, (26) 718. carbonates, decomposition, (31) 25; (32) 123.	fertility— accumulation, (32) 121.
carbonates, determination, (30) 808; (35) 503;	and agriculture, question summary, (28)
(40) 308. catalase, notes, (31) 313.	897. and fertilizers, treatise, (28) 423.
colloids—	and second-growth vegetation, correlation,
adsorptive power, (34) 18. ammonia-soluble inorganic, (31) 801.	(39) 115.
as affected by soluble salts, (35) 622.	fertility as affected by— alfalfa, (29) 633.
behavior in presence of soluble salts, (33)	crop rotation, (27) 821; (39) 424.
324. determination. (33) 118.	fertilizers, (34) 517. glaciation, (32) 317.
determination, (33) 118. importance, (29) 817; (34) 816. notes, (30) 513, 718; (32) 315; (35) 512.	mundation, (30) 213.
notes, (30) 513, 718; (32) 318; (35) 512. properties, (31) 514.	lime and chalk, (34) 221.
relation to plowsole, (40) 417.	manure, (29) 317. organic matter, (39) 725.
role of, (33) 321, 513.	sulphur, (35) 728.
studies, (32) 813; (35) 16, 319, 813; (36) 21; (37) 520.	fertility— bacterial theory, (28) 718.
treatise, (34) 515.	conservation and improvement. (27) 818:
compactness, effect on root development, (26) 327.	(29) 125. correlation with seasonal rainfall, (39) 511.
concretions due to manganese or lime, (32) 215.	determination, (26) 21, 123; (27) 417; (31) 226; (33) 97; (34) 218; (36) 622.
conditions— and plant growth, treatise, (39) 512.	226; (33) 97; (34) 218; (36) 622.
in Selby smoke zone, (35) 213.	dynamic theory, (34) 812. effect on root development, (26) 328.
in United States and western Canada,	experiments, standardization, (40) 823.
handbook, (29) 596. relation to bacterial activity, (34) 813.	factors in, (32) 30. improvement, (28) 533; (34) 528; (38) 219.
constituents-	in China, Korea, and Japan, (27) 518.
and ammonium salts, interaction, (32) 121.	in India, (27) 319. loss by leaching, (36) 725.
as semipermeable membranes, (31) 720. assimilation by oats, (31) 632.	loss from cropping, (39) 327,
beneficial, importance, (26) 419.	loss from cropping, (39) 327. maintenance, (26) 423; (27) 124; (28) 533; (29) 213, 623; (30) 23, 320, 426; (31) 217, 318, 819; (32) 81, 725; (34) 516, 520, 621, 722; (35) 225; (34) 100 415, (27) 11, (27) 12, (27) 12, (27)
inhibition of plant toxins by, (37) 519.	819; (32) 31, 725; (34) 516, 520, 621, 722; (35)
organic, effect on nitrogen fixation by Azotobacter, (33) 620, 823. organic, notes, (28) 29.	325; (36) 120, 618; (37) 514, 720, 813; (38) 119; (39) 125, 815.
organic, notes, (28) 29.	maintenance with nature's fertilizers, (39)
organic, studies, (27) 500. solubility. (30) 221.	816.
solubility, (80) 221. studies, (28) 324.	manual, (30) 517. measurement, (36) 510.
containers, effect of paraffin lining, (37) 812. containers for plant culture work, (36) 524.	micropropring concerning (22) 701
crusts, relation to fertilizers, (31) 123.	new views on, (31) 516. news views on, (31) 516. notes, (27) 216, 219; (28) 29; (31) 122, 127, 221; (33) 695; (34) 22, 722; (37) 211, 214. principles, (26) 519; (33) 721. problems, (27) 819. problems in Great Britain, (39) 616. fartifity relation to—
decoctions, effect on bacteria, (28) 329.	221; (33) 695; (34) 22, 722; (37) 211, 214,
depletion, relation to nitrate reduction in plants, (37) 549.	principles, (26) 519; (33) 721.
erosion—	problems in Great Britain, (39) 616.
as affected by forests, (29) 842. by wind, (29) 811; (31) 317.	fertility, relation to— bacteria, (34) 619. chemical composition, (33) 421. crystalloids and collads (28) 814
cause and prevention, (30) 625.	chemical composition, (33) 421.
coast, Spartina for, (40) 530. control, (39) 813.	crystalloids and colloids, (28) 814.
economic waste from, (31) 316.	dairy farming, (27) 280. earthworms, (27) 518. fertilizers, (29) 213; (30) 821. fungi, (29) 824.
effect of cattle on, (39) 512. in forests, (30) 743. Iows, (40) 717. Kansas, (38) 422.	fertilizers, (29) 213; (30) 821.
Iowa, (40) 717.	fungi, (29) 824. humus (27) 718
Kansas, (38) 422.	humus, (37) 718. lime, (28) 223.
the South. (32) 811.	plant food, (26) 621; (28) 220. plant transpiration, (26) 36.
ravines, prevention, (28) 643. the South, (32) 811. injurious effects, (32) 30. measurement, (31) 24.	sulphur, (34) 27.
model for schools. (27) 797.	weeds, (34) 39. fertility—
model for schools, (27) 797. notes, (34) 818, 885. of Sioux Point, S. Dak., (26) 27.	review of investigations, (26) 123.
of Sioux Point, S. Dak., (26) 27.	rôle of nitrification in (37) 519
prevention, (26) 323; (31) 317; (32) 514, 884;	studies, (26) 816; (27) 500; (28) 324; (29) 416, 728; (31) 620; (36) 814; (37) 214, 625; (39) 422, 737; (40) 419, 624, 719.
on western grazing lands, (39) 439. prevention, (26) 323; (31) 317; (32) 514, 884; (34) 326, 819; (36) 320, 422, 723; (37) 87, 286, 520; (40) 188. experiments, (27) 393, 394. experiments at New York Cornell Station,	422, 737; (40) 419, 624, 719.
experiments, (27) 393, 394.	testing, (28) 537. treatise, (26) 521.
experiments at New York Cornell Station, (29) 820.	under trees, (38) 816.
experiments, standardization, (39) 829.	variation in, (28) 123. work in India, (40) 825.
extracts—	work in Kansas, (40) 319. work in Rhode Island, (38) 325.
as affected by season and crop growth, (38) 813.	work in Rhode Island, (38) 325.
as criterion of productivity, (38) 812; (40)	as affected by arsenic compounds, (32) 720.
120. as indicating chemical needs of soil, (39) 331.	as affected by leaching, (35) 514.
reaction of, (30) 121.	nitrogen-fixing powers of, (\$5) 320. of India, (36) 449.
ultramicroscopy of, (30) 516. factor in crop centers, (39) 734.	of India, (36) 449. studies, (37) 516, 517; (38) 514.
fatigue—	flows in polar and subpolar regions, (31) 23. formation, relation to animal organisms, (26)
notes. (29) 243.	223.
review of literature, (34) 326. studies, (30) 426, 524; (33) 31.	formation, relation to forest cover, (29) 643.
treatment, (87) 421.	forming minerals, microscopic determination, (28) 812.
fauna, rhizopods and flagellates in, (85) 121.	Fumigant and Insecticide, tests, (30) 156.

Soil-Continued.	Soil—Continued.
fungi— activity, (40) 122, 318, 721.	moisture—continued. movement in an Egyptian cotton field,
activity, (40) 122, 318, 721. ammonifying efficiency, (32) 817. and their activities, (36) 214, 215. in a forest nursery, (40) 852. incubation studies, (35) 513; (36) 221.	(30) 21.
in a forest nursery. (40) 852.	movement in relation to temperature, (34) 215.
incubation studies, (35) 513; (36) 221.	notes, (30) 814.
Hotes, (21) 223.	of surface foot, effect on nitrification, (40)
of Norway, (34) 226. pathogenic, control, (40) 747.	moisture, relation to—
proteolytic activities, (40) 721.	apple spot diseases, (38) 753. dry farming, (28) 321.
relation to potato diseases, (39) 249. studies, (28) 442; (31) 127. gas, radioactivity, (33) 211. gases, studies, (34) 514; (35) 120, 212.	forests, (36) 843.
gas, radioactivity, (33) 211.	orange growth, (38) 541.
grains, properties, (32) 017.	plant activities, (27) 214. plant growth, (26) 420; (32) 813.
granulation, causes, (26) 420.	plant succession, (32) 128.
granulation products, classification, (31) 418. homogeneity, correlation coefficient for, (33) 727.	root systems of plants, (31) 514. temporature, (34) 127.
humidity, effect on development of cotton, (34)	transpiration and photosynthesis in corn,
337. hygiene, notes, (30) 125.	(36) 525. wilting of plants, (27) 515.
hygiene, notes, (30) 125. leachings, equipment for investigation, (32) 719.	moisture—
microflora and microfauna, device for obtain- ing, (30) 28.	retaining, (27) 619. review of investigations, (31) 522. studies, (28) 419; (29) 620, 724; (34) 816; (35) 212; (38) 620.
microorganisms—	studies, (28) 419; (29) 620, 724; (34) 816;
activities, (35) 25. ammonia accumulation by, (37) 812.	under different cropping systems, (40) 429.
ammonia accumulation by, (37) 812. ammonia consumption by, (35) 729.	under dry farming, (38) 319.
nitrate transformation by. (38) 723.	under irrigation, (38) 320. unfree, and heat of wetting, relation, (40)
nitrogen requirements, (31) 313. notes, (28) 323; (29) 122, 123, 515. milling machines, tests, (33) 891.	20.
notes, (28) 323; (29) 122, 123, 515. milling machines, tests, (33) 891	mulch, effect on evaporation, (28) 218. mulch, paper on, (36) 197.
moisture and plant succession, (37) 418.	nitrates as affected by—
moisture as affected by— alfalfa, (29) 634.	green manuring, (33) 721. resin and tannin, (36) 513.
cropping, (29) 425. crops, (33) 225; (34) 17.	weeds, (38) 814.
crops, (33) 225; (34) 17. density of stand of trees, (33) 816.	nitrates, effect on wheat yield, (33) 217. nitrogen as affected by—
desert rainfall, (30) 619.	crops and fertilizers, (35) 321.
fallowing, (26) 421, 533. fertilizers, (28) 124; (33) 217.	heat, (39) 617.
organic matter, (40) 811.	legumes, (26) 196. organic materials, (35) 218.
tillage methods, (40) 719. moisture—	nitrogen—
classification and measurement, (39) 18.	availability, (26) 434. forms of, (33) 513.
coefficient, (29) 626.	meteorological and biological factors affect-
conservation, (29) 85, 211, 725; (31) 419, 494; (32) 30, 525; (33) 217; (36) 723; (37) 212, 437.	ing, (32) 718. studies, (28) 814.
content during drought, (39) 617.	organisms, ammonia accumulation, relation to
content, effect on growth of barley, (40) 219. content of surface foot, (39) 813.	carbon dioxid production, (39) 516. organisms as affected by—
determination, (28) 204; (32) 216, 719; (39) 714.	bacteriotoxins, (28) 623.
determination, interpreting, (26) 421.	carbon bisulphid, (33) 323; (35) 20. carbon disulphid and toluol, (40) 513.
determination, reporting results, (39) 504.	organisms—
moisture, effect on— acidity, (40) 316.	culture modia for, (40) 739.
acidity, (40) 316. availability of fertilizers, (28) 420. availability of plant putrionts, (28) 527	destruction of cellulose by, (26) 825 destruction of parallin by, (32) 523.
availability of plant nutrients, (28) 537. composition of grain, (27) 334.	effect of toxic substances on, (31) 342. factors affecting growth, (32) 222.
composition of grain, (27) 334. fertilizers, (32) 813, 814. growth and maturity in maize, (39) 20.	microscopic study, (39) 324.
growth of cucumbers, (30) 142.	monograph, (30) 323.
nitrification, (28) 720. plant asociations, (38) 425.	microscopic study, (39) 324, monograph, (30) 323, nitrifying, (39) 619. nitrogen-lixing power, (32) 20. proteolytic activities. (10) 721.
potato tubers, (36) 336.	proteolytic activities. (10) 721.
potato tubers, (36) 336. protein content of wheat, (30) 662, 836.	rapid study of, (35) 226. spore-forming, (39) 325. steam-formalin treatment for, (29) 645.
rate of increase of sugar beet root louse, (33) 357.	steam-formalin treatment for, (29) 645.
ratio of tops to roots in plants. (31) 628.	particles, distribution, (32) 511. particles, separation according to specific weight, (31) 618.
root development, (26) 327. salts and nitrates, (36) 816. wheat, (32) 814; (37) 340.	
wheat, (32) 814; (37) 340.	phosphates— as affected by ignition, (26) 803.
winterkilling of cereals, (38) 415. moisture—	solubility, (28) 726.
equivalents, (26) 421; (39) 214, 215. evaporation index, (30) 223.	solubility as affected by ignition, (28) 312.
factors affecting, (26) 421: (27) 320: (28) 218.	and management, textbook, (38) 598.
field study of, (28) 537. in forests and cultivated fields, (37) 418.	discussion, (26) 717. instruction in, (28) 434.
inactive, measurement, (36) 719.	laboratory manual, (28) 493.
loss by evaporation, and transpiration, (38)	manual, (34) 293.
loss by percolation, (33) 619; (38) 418.	review of investigations, (30) 119. studies, (26) 28; (27) 214, 819.
minimum, dynamic, determination, (38)	studies, (26) 28; (27) 214, 819. plats, biological variations in, (37) 719.
movement, (27) 500.	potash as affected by lime or gypsum, (36) 519. potash, availability as affected by various sub-
movement and distribution, (37) 623, 808.	stances, (36) 625.

SUBJECT INDEX

Soil—Continued.	Soil-Continued.
pressures, determining, (36) 684. problems in Oklahoma, (26) 434.	Soil—Continued. Survey in Alabama—continued. Cleburne Co., (34) 119. Dale Co., (29) 16. Escambia Co., (34) 210. Lawrence Co., (34) 615. Limestone Co., (34) 717. Lowndes Co., (40) 216. Monroe Co., (40) 419. Pickens Co., (35) 512. Pike Co., (29) 16. Russell Co., (34) 119. Walker Co., (35) 624. Washington Co., (38) 214. Wilcox Co., (39) 20. Survey in Alaska, (34) 209.
productivity—	Dale Co., (29) 16.
as affected by sugar, (28) 623.	Escambia Co., (34) 210.
as affected by sugar beets, (28) 336. factors in. (35) 513.	Lawrence Co., (34) 515. Limestone Co., (34) 717.
increasing, (29) 329.	Lowndes Co., (40) 216.
factors in, (35) 513. increasing, (29) 329. judging, (29) 820; (36) 117, 511. notes, (28) 292.	Monroe Co., (40) 419.
profile survey of—	Pike Co., (38) 512.
Henrys Fork, Idaho, (36) 583.	Russell Co., (34) 119.
Rio Grande, (36) 583.	Walker Co., (35) 624.
reaction— as affected by lime, (40) 124.	Washington Co., (38) 214. Wilcox Co., (39) 20.
as affecting nitrogen-assimilating bacteria, (39) 619, 722, 723.	survey in Alaska, (34) 209. survey in Alaska, Kenai Peninsula region, (40)
(39) 619, 722, 723. importance, (26) 422.	survey in Alaska, Kenai Peninsula region, (40)
relation to weed growth, (40) 832.	813. survey in Arkansas—
sanitation, notes, (34) 744.	Ashley Co., (31) 813. Columbia Co., (34) 717.
sanitation, relation to cereal cropping, (29) 516, 820.	Columbia Co., (34) 717.
scarifier, description and tests, (28) 486.	Craighead Co., (38) 513. Hempstead Co., (38) 812.
science, new, and plant ecology, (36) 523.	Hempstead Co., (38) 812. Jefferson Co., (36) 20. Mississippi Co., (35) 17.
in wheat lands (31) 148	Mississippi Co., (35) 17.
in wheat lands, (31) 148. investigations, (28) 520.	Pope Co., (34) 119. Yell Co., (36) 618. survey in California—
notes, (28) 321.	survey in California—
review of investigations, (28) 815.	Healdsbulg area, (37) 810.
studies, (36) 514. treatment, (26) 322; (31) 146. "sicknesses" in Netherlands, (40) 319.	Healdsburg area, (37) 810. Honey Lake area, (38) 214. Livermore area, (29) 17. Lower San Joaquin Valley, (40) 118.
"sicknesses" in Netherlands, (40) 319.	Lower San Joaquin Valley, (40) 118.
	Madera area, (20) 17.
as affected by bolling, (30) 124. sindex of biological changes, (39) 813. index of soil fertility, (30) 124; (31) 620. related to growth of barley, (40) 218. colloidal substances in, (28) 516. composition, (27) 500; (37) 116. composition and use, (36) 720. concentration, (28) 28; (34) 323, 419, 721; (37) 116; (38) 16.	Pasadena area, (38) 215.
index of soil fertility, (30) 124; (31) 620.	Red Bluff area, (29) 17.
related to growth of pariety, (40) 218.	Kiverside area, (38) 421.
composition, (27) 500; (37) 116.	San Diego region, (39) 210.
composition and use, (36) 720.	San Fernando Valley area, (38) 621.
116; (38) 16.	San Francisco Bay region, (36) 721.
solution, concentration—	survey in Colorado, Uncompangre Valley area,
solution, concentration— as affected by sterilization, (37) 719, relation to biological activities, (39) 323.	Madera area, (29) 17. Merced area, (38) 215. Red Bluff area, (29) 17. Riverside area, (38) 421. Sacramento Valley, (34) 120. San Diego region, (39) 210. San Fernando Valley area, (38) 621. San Francisco Bay region, (36) 721. Ukiah area, (36) 420. survey in Colorado, Uncompahgre Valley area, (29) 17. Survey in Delaware, New Castle Co., (37) 211.
relation to plant growth, (33) 223.	survey in Plorida. (28) 31.
solution—	survey in Delaware, New Castle Co., (37) 211. survey in Florida, (28) 31. survey in Florida—
effect on plant diseases, (26) 826.	Bradford Co., (31) 813. Fort Lauderdale area, (34) 210.
extraction, (38) 803. flocculation studies, (30) 623.	Franklin Co., (36) 114.
freezing-point, (38) 16, 813.	Franklin Co., (36) 114. Hernando Co., (34) 211. Hillsborough Co., (30) 211.
freezing-point, (38) 16, 813. intake by plants, (35) 825. membrane for studying, (40) 718. method of obtaining, (30) 824; (31) 317; (32)	Hillsborough Co., (30) 211.
method of obtaining, (30) 624; (31) 317; (32)	Indian River area, (34) 211. Pinellas Co., (32) 26. Putnam Co., (34) 717.
29; (33) 322; (36) 720. monograph, (28) 320.	Putnam Co., (34) 717.
monograph, (28) 320. movement of salts in, (39) 323.	
nsture (33) 322.	Brooks Co., (39) 211. Bulloch Co., (29) 16. Clay Co., (36) 421. Colquitt Co., (34) 417. Crisp Co., (38) 215. Dekalb Co., (38) 215. Dekalb Co., (34) 417. Gordon Co., (34) 417. Gordon Co., (32) 513. (37) 211. Jackson Co., (34) 417. Jasper Co., (39) 512. Jeff Davis Co., (32) 317. Jones Co., (32) 513. Laurens Co., (32) 513. Laurens Co., (33) 811. Meriwether Co., (38) 718. Miller Co., (31) 814. Polx Co., (35) 508. Richmond Co., (38) 718. Stewart Co., (39) 16. Talbot Co., (29) 16. Talbot Co., (29) 16. Tatnall Co., (29) 16.
notes, (27) 819.	Clay Co., (35) 421.
obtained by hydraulic action, (38) 512. obtained by oil pressure method, (37) 717;	Colquitt Co., (34) 417.
(39) 20.	Dekalb Co., (34) 417.
physiological balance, (39) 419.	Gordon Co., (31) 814.
plants as indicators of relative density, (29) 212.	Jackson Co., (34) 417.
preparation, (29) 203. protective effect on soil organisms, (34) 732.	Jasper Co., (39) 512.
protective effect on soil organisms, (34) 732.	Jeff Davis Co., (32) 317.
relation to plant physiology and distribu- tion, (26) 422.	Laurens Co., (32) 313.
	Meriwether Co., (38) 718.
studies, (30) 516; (40) 512, 718. studies, lysimeter in, (28) 28.	Miller Co., (31) 814.
treatise, (26) 122.	Richmond Co., (38) 718.
specialists, training, (40) 300. studies, (27) 118; (36) 618.	Stewart Co., (34) 120; (35) 721.
	Sumter Co., (29) 16.
and teaching, methods and aims, (30) 512.	Talbot Co., (32) 513. Tatnall Co., (34) 510. Terrell Co., (34) 211.
botanical method, (37) 515.	Terrell Co., (34) 211.
drainage tanks for, (37) 799.	Troup Co., (35) 811.
factors in, (37) 18. in United States, (27) 117.	Troup Co., (35) 311. Turner Co., (35) 421. Walker Co., (29) 16. Washington Co., (36) 420. Wilkes Co., (36) 420. survey in Idaho, Latah Co., (37) 21. survey in Illinois— Spind Co., (33) 21
in various countries, (21) 320.	Washington Co., (36) 420.
methods, (31) 514. outline, (32) 494.	WHES CO., (30) 420. Survey in Idaho, Latah Co., (37) 21.
theory of antagonism of saits in. (30) 98.	survey in Illinois—
surfaces, penetration by rain, (29) 426. survey in Alabama—	Bond Co., (33) 21. Du Page Co., (37) 720. Edgar Co., (37) 514. Kane Co., (38) 718. Kankakee Co., (36) 20.
Survey in Alabama— Barbour Co. (37) 891	Du rage Co., (87) 720. Edgar Co., (87) 514.
Barbour Co., (37) 621. Bullock Co., (34) 210. Clay Co., (36) 511.	Kane Co., (38) 718.
Clay Co., (36) 511.	Kankakee Co., (36) 20.

Soil-Continued.	Soil—Continued.
Soli—Continued. Survey in Illinois—continued. Lake Co., (33) 415. McDonough Co., (32) 26. McLean Co., (33) 717. Pike Co., (34) 15. Tazewell Co., (36) 619. Winnebago Co., (35) 421. Survey in Indiana, (29) 515. Survey in Indiana.	survey in Missouri—continued.
Lake Co., (33) 415. McDonough Co., (32) 26.	Marion Co., (29) 17. Newton Co., (36) 812.
McLean Co., (33) 717.	Nodaway Co., (34) 123, Pemiscot Co., (29) 17. Perry Co., (34) 123.
Pike Co., (34) 15.	Perry Co., (34) 123.
Winnebago Co., (35) 421.	Pettis Co., (35) 422. Ralls Co., (32) 213.
survey in Indiana, (29) 815. survey in Indiana—	Ralls Co., (32) 213. Ripley Co., (36) 721.
	survey in Montana, Bitterroot Valley area, (36)
Benton Co, (38) 215. Clinton Co., (34) 510.	620.
Elkhart Co., (35) 319.	survey in Nebraska— Box Butte Co , (39) 513.
Delaware Co., (34) 120. Elkhart Co., (35) 319. Grant Co., (36) 721. Hendricks Co., (34) 120. Porter Co., (40) 420. Starks Co., (36) 721. Warren Co. (25) 117	Box Butte Co, (39) 513. Cass Co., (32) 214.
Hendricks Co., (34) 120. Porter Co., (40) 420.	Dawes Co., (38) 216. Dodgo Co., (39) 321.
Starke Co., (36) 721.	
Warren Co., (35) 117. Wells Co., (37) 21.	Fillmore Co., (38) 812. Gage Co., (35) 509.
White Co., (36) 812; (37),21. survey in Lowa, (39) 812.	Hall Co., (39) 321.
survey in Iowa, (39) 812. survey in Iowa—	Fillmore Co., (38) 812. Gage Co., (38) 509. Hall Co., (39) 321. Kimball Co., (38) 719. Nomaha Co., (34) 717. Phelps Co., (40) 813. Polk Co., (37) 122.
survey in Iowa— Bremer Co., (32) 317; (37) 211; (38) 18. Clay Co., (40) 216. Clinton Co., (37) 514. Lee Co., (34) 808. Mitchell Co., (39) 422. Muscatine Co., (35) 117; (40) 216. Pottawattamie Co., (34) 616; (40) 216. Ringgold Co., (39) 422. Scott Co., (38) 215. Sioux Co., (36) 721.	Phelps Co., (40) 813.
Clay Co., (40) 216.	Polk Co., (37) 122.
Lee Co., (34) 809.	Richardson Co., (37) 211. Saunders Co., (34) 212. Scotts Bluff Co., (34) 511.
Mitchell Co., (39) 422.	Scotts Bluff Co., (34) 511.
Pottawattamie Co., (34) 616; (40) 216.	56W81U CO., (60) 117.
Ringgold Co., (39) 422.	Thurston Co., (35) 118. Washington Co., (37) 22.
Scott Co., (38) 215. Sioux Co. (36) 721	Wayne Co., (40) 814. survey in New Jersey—
Sioux Co., (36) 721. Van Buren Co., (37) 21. Webster, Co. (35) 422	Camden area, (37) 123. Freehold area, (34) 616.
Webster, Co. (35) 422 survey in Kansas—	Freehold area, (34) 616. survey in New York—
Cherokee Co., (34) 809.	Chautaugua Co., (35) 423. Clinton Co., (35) 18; (36) 511.
Cherokee Co., (34) 809. Cowley Co., (37) 419. Jewell Co., (36) 115.	Clinton Co., (35) 18; (36) 511.
Montgomery Co., (34) 121.	Monroe Co., (29) 16,
Reno Co., (34) 809.	Oneida Co., (34) 123, 718.
western. (29) 17.	Ortange Co., (32) 812.
Jewei Co., (34) 110. Montgomery Co., (34) 121. Reno Co., (34) 809. Shawnee Co., (32) 121. western, (29) 17. survey in Kentucky, (33) 510, 511. survey in Kentucky— Franklin Co., (34) 322.	Cimton Co., (38) 15; 236, 511. Cortland Co., (38) 216. Monroe Co., (29) 16. Oneida Co., (34) 123, 718. Ontario Co., (29) 10. Orange Co., (32) 812. Schoharte Co., (37) 514. Yates Co., (39) 513.
Franklin Co., (34) 322.	
Franklin Co., (34) 322. Graves Co., (34) 122. Jessamine Co., (35) 508. Rockeastle Co., (29) 16.	Alleghony Co., (38) 813. Anson Co., (37) 621. Bladen Co., (34) 418. Cabarrus Co., (29) 18. Clyreland Co. (44) 470
Rockeastle Co., (35) 508.	Anson Co., (37) 621. Bladen Co. (34) 418
survey in Louisiana—	Cabarrus Co., (29) 16.
Concordia Parish, (29) 16. Lafavette Parish, (35) 319	Cleveland Co., (40) 420.
Rapide Parish, (39) 321.	Davidson Co., (37) 22.
Survey in Maine, Cumberland Co., (37) 810. Survey in Maine, Cumberland Co., (37) 810.	Forsyth Co., (32) 214.
	Halifax Co., (40) 217.
Howard Co., (38) 621. Montgomery Co., (35) 18.	Harnett Co., (38) 323.
	Lincoln Co., (35) 210.
Anoka Co., (40) 217.	Mecklenburg Co., (29) 16; (37) 419.
Anoka Co., (40) 217. Goodhue Co., (32) 516. Pennington Co., (35) 625. Ramsey Co., (35) 320. survey in Mississippl—	Randolph Co., (34) 124. Rowan Co., (34) 212.
Ramsey Co., (35) 320.	Stanley Co., (40) 217.
Adams Co., (29) 16.	Union Co., (34) 810. Wake Co., (35) 509.
Adams Co., (29) 15. Chickasaw Co., (37) 621. Clarke Co., (34) 511. Coahoma Co., (36) 420. Covington Cn., (40) 813	Cabarrus Co., (29) 18. Cleveland Co., (40) 420. Columbus Co., (38) 216. Davidson Co., (37) 22. Forsyth Co., (32) 214. Granville Co., (28) 16. Halifax Co., (40) 217. Harnett Co., (38) 218. Lincoln Co., (38) 218. Lincoln Co., (38) 218. Lincoln Co., (35) 422. Mecklenburg Co., (29) 16; (37) 419. Randolph Co., (34) 124. Rowan Co., (34) 212. Stanley Co., (40) 217. Union Co., (34) 810. Wake Co., (34) 509. Wayne Co., (35) 509. Wayne Co., (35) 511. Survey in North Dakota— Bottineau Co., (38) 422, 621.
Coahoma Co., (34) 511.	Burvey in North Dakota— Bottinesu Co. (38) 422, 821
Covington Co., (40) 813. Grenada Co., (36) 619. Hinds Co., (39) 21. Jefferson Davis Co., (35) 422.	Bottineau Co., (38) 422, 621. Dickey Co., (36) 421; (37) 720. Lamoure Co., (36) 722.
Grenada Co., (36) 619. Hinds Co., (39) 21	Lamoure Co., (36) 722. survey in Ohio, (36) 396.
Jefferson Davis Co., (35) 422.	survey in Ohio
Jones Co., (34) 122. Lauderdale Co., (29) 16.	Geauga Co., (35) 509. Hamilton Co., (37) 212. Marion Co., (40) 217. Miami Co., (40) 119. Benddisc Co. (40) 119.
	Marion Co., (40) 217.
Newton Co., (39) 422. Navyber Co. (20) 18	Miami Co., (40) 119.
Noxubee Co., (29) 16. Wilkinson Co., (34) 211.	Paulding Co., (34) 212. Portage Co., (34) 810. Stark Co., (34) 124. Trumbull Co., (35) 18.
Wilkinson Co., (34) 211. survey in Missouri, (28) 222; (39) 813. survey in Missouri—	Stark Co., (34) 124.
Barry Co., (40) 119.	survey in Oklahoma—
Barry Co., (40) 119. Buchanan Co., (37) 122.	Bryan Co., (34) 617. Kay Co., (38) 621.
Cape Girardeau Co., (29) 17. Dekalb Co., (35) 811.	K.8y Co., (38) 621. Muskogee Co., (34) 213.
Dunkin Co., (35) 625. Greene Co., (34) 122. Grundy Co., (34) 511.	Muskogee Co., (34) 213. Payne Co., (40) 420. Roger Mills Co., (35) 625.
Grundy Co., (34) 511.	Roger Mills Co., (35) 625. survey in Pennsylvania—
Harrison Co., (34) 616.	Blar Oo., (37) 123. Cambria Oo., (36) 722.
Harrison Co., (34) 616. Jackson Co., (29) 17. Johnson Co., (85) 213.	Cambria Co., (36) 722. Clearfield Co., (40) 814.

7-B G	
Soil—Continued. survey in Pennsylvania—continued.	Soil—Continued.
Erie Co., (29) 16.	suspensions, layer formation in, (39) 420; (40) 620.
Lancaster Co., (35) 626.	tank experiments, (31) 723; (33) 24; (35) 812.
south-central area, (29) 16. Washington Co., (29) 16.	tank experiments, (31) 723; (33) 24; (35) 812. temperature, (27) 214; (36) 617. temperature as affected by—
survey in Puget Sound Basin, (29) 17.	cultivation, (33) 510.
survey in South Africa, need of, (28) 423.	cultural methods, (34) 217.
survey in South Carolina—	forest cover, (31) 415.
Berkeley Co., (40) 119.	plant covering, (30) 122. sand, (27) 516.
Bamberg Co , (32) 28. Berkoley Co., (40) 119. Chesterfield Co., (34) 418. Clarendon Co., (29) 16.	temperature as factor in agriculture, (34) 419.
Ciarendon Co., (29) 16.	temperature, effect on—
Florence Co., (35) 118.	availability of plant nutrients, (28) 537
Hampton Co., (36) 813.	availability of fertilizers, (28) 420. availability of plant nutrients, (28) 537. crop yields, (30) 135.
Orechester Co., (36) 620. Florence Co., (35) 118. Hampton Co., (36) 813. Orangeburg Co., (32) 816. Richland Co., (39) 422. Union Co., (32) 214. Strays in southeast England. (26) 119.	seeding corn, (38) 530.
Union Co., (32) 214.	temperature— factor, evaluation, (40) 130, 426.
bar tog in boatmont magrana, (mo) mis	factor, evaluation, (40) 130, 426. factors affecting, (26) 29; (34) 514.
survey in Tennessee— Jackson Co , (34) 213.	HOTES, (28) 515.
Shelby Co., (40) 814.	relation to air temperature, (34) 15; (36) 208. relation to elimate, (34) 319.
SITTIAT IN TAYOR	relation to plant growth, (29) 19.
Bell Co., (40) 120. Brazos Co., (35) 626. Eastland Co., (39) 212. Ellis Co., (29) 16. Grayson Co., (30) 620. Grayson Co., (30) 630.	rise on moistening, (39) 617. studies, (28) 116, 118; (29) 618; (34) 818; (35)
Eastland Co., (39) 212.	620.
Ellis Co., (29) 16.	surface, (28) 622.
Grayson Co., (36) 620. Gulf Coast area, (29) 16.	surface, measurement, (37) 520. texture, relation to water level, (33) 806.
Jefferson Co, (34) 213.	toxins and nitrification, studies, (38) 322.
Lee Co., (30) 020.	toxins, formation, (31) 620; (34) 218.
McLennan Co, (30) 620. Penhandle region (29) 16	types, descriptions, (26) 221. variation, relation to crop production, (29) 416.
San Saba Co., (38) 422,	water—see also Soil moisture.
McLennan Co, (36) 620. Panhandle region, (29) 16. San Saba Co., (38) 422. Smith Co, (36) 621.	changes in level of, (35) 813.
South-central area, (34) 213. Teylor Co. (39) 212	composition as affected by cultivation and manures, (29) 416.
south-central area, (34) 213. Taylor Co., (39) 212. Tyler Co., (36) 620 Weshington Co. (22) 617	movements of, (26) 28,
Washington Co., (32) 617.	zeolites, properties of, (30) 23.
Survey in—	zones, vertical, in mountainous Russia, (33) 418 Soiling crops—
United States, (28) 718; (28) 421, 537; (29) 16; (31) 512; (34) 321; (36) 210. Utah, Cache Valley area, (34) 214.	culture on moorland, (38) 132.
Utah, Cache Valley area, (34) 214.	for 10wa, (31) 265.
vermont, windsor Co., (40) 814.	for summer feeding, (29) 473. in Nebraska, (40) 521.
survey in Virginia— Fairfax and Alexandria Counties, (37) 514.	in Nebraska, (40) 521. notes, (37) 96, 895. tests, (37) 733.
Frederick Co., (35) 510. Henrico Co., (32) 214.	tests, (37) 733.
Henrico Co., (32) 214.	v. silage for dairy cows, (30) 874. v. summer silage, (26) 574.
survey in Washington— Franklin Co., (36) 621.	Soiling, summer, suggestions for, (26) 72.
Palousa Irrigation Project, (36) 722.	Soils— absorbent power, cause, (27) 619.
Stevens Co , (34) 214. survey in West Virginia— Boone Co. , (32) 617. Clarksburg area, (28) 216; (29) 17.	absorption—
Boone Co., (32) 617.	and coagulation in, (35) 813; (40) 212.
Clarksburg area, (28) 216; (29) 17.	and solution phenomena in, (32) 421. in, (36) 622.
Jefferson, Berkeley, and Morgan Counties, (39) 212.	of amenomia her (28) 425 818
Lewis and Gilmer Counties, (37) 22.	phosphates by, (26) 122. phosphore acid in, (27) 216; (33) 515.
Logan and Mingo Counties, (34) 124.	ultraviolet and infra-red rays by, (34) 817.
McDowell Co., (35) 118.	absorptive—
Point Pleasant area, (29) 17. Raleigh Co., (35) 18.	power for emmonic (26) 210
Wyoming Co, (35) 118. survey in Wisconsin, (26) 221, 812; (28) 815.	power, (31) 514. power for ammonia, (36) 219. power for fertilizers, (33) 122.
survey in Wisconsin, (26) 221, 812; (28) 815.	power for water, (37) 18. properties, (27) 515. acid—see also Soil acidity.
survey in Wisconsin— Bayfield area, (29) 17; (34) 617.	properties, (27) 515.
Buffalo Co., (34) 215.	gliiminim in (39) 114.
Columbia Co., (36) 723.	and steam digestion, (28) 121.
Door Co., (40) 120.	as affected by fertilizers, (35) 22. bacterial activity, (39) 325.
Fond du Lac Co., (35) 19.	Dacterial Content, (40) 620.
Iowa Co., (29) 17; (34) 617.	growth of legumes on, (36) 514.
Juneau Co., (35) 19.	humus, nitrification in, (30) 424. in Assam, (32) 812.
Kewaunee Co., (35) 19.	
survey in Wisconsin— Bayfield area, (29) 17; (34) 617. Buffalo Co., (34) 215. Columbia Co., (38) 723. Dane Co., (34) 418. Door Co., (40) 120. Fond du Lac Co., (35) 19. Iowa Co., (29) 17; (34) 617. Jefferson Co., (36) 723. Juneau Co., (35) 19. Kewaunee Co., (35) 19. Kewaunee Co., (35) 19. Marinette Co., (23) 620. Milwankee Co., (40) 120. north-central area, (36) 20, 723; (38) 324.	manganese in, (39) 627; (40) 728.
Milwaukee Co., (40) 120.	manganese m, action, (30) 523. nitrate formation in. (36) 22.
north-central area, (36) 20, 723; (38) 324.	nitrification in, (32) 121; (35) 514; (40) 620
Portage Co., (38) 216	iming, (36) 514. manganese in, (38) 627; (40) 728. manganese in, action, (30) 823. nitrate formation in, (36) 22. nitrification in, (32) 21; (35) 514; (40) 620 of Hawaii, (36) 813.
Waukesha Co., (29) 17; (34) 617.	Japan, colloidal properties, (32) 318; (33)
Milwankee Co., (49) 120. north-central area, (36) 20, 723; (38) 324. northeastern area, (34) 617; (36) Portage Co., (38) 216. Waukesha Co., (29) 17; (34) 617. Waushara Co., (34) 617. Wood Co., (38) 217.	tropical countries, (31) 419.
17 000 00., (30) 41(.	or nonbasic, nitrification in, (30) 517. studies, (36) 21.
development and economic value, (34) 513.	utilization, (30) 23. Actinomycetes in, (29) 222; (37) 517.
discussion, (26) 118, 519. papers on, (26) 434; (32) 121.	Actinomycetes in, (29) 222; (37) 517. adaptation to wheat or rye, (34) 813.
probable error of sampling in, (34) 513.	added boron in, (39) 429.

Soils—Continued.	Soils—Continued.
adobe, salts in, (30) 517. adsorption—	as affected by—continued. earthworms, (30) 425.
and acidity in, (36) 117. in, (30) 321; (31) 814; (33) 22, 411, 420; (37) 624.	fairy-ring fungi. (38) 222
of potassium and phosphate ions by, (35)	fertilizers, (27) 622; (30) 219; (32) 31, 721; (33) 122; (35) 216, 516.
17.	freezing, (26) 619. frost, (29) 212.
adsorptive power, (31) 18, 515. adsorptive power, determination, (31) 119.	finding naracitae of plants (90) 150
serstion-	groen m nuring, (39) 326. heating, (26) 618, 722; (30) 419; (31) 25, 216, 620; (32) 721; (35) 138, 722.
by earthworms. (26) 619.	neating, (20) 618, 722; (30) 419; (31) 25, 216, 620; (32) 721; (35) 138, 722.
and drainage, (33) 97. by earthworms, (26) 619. ecological significance, (37) 213.	numus, (50) 122.
	irrigation and manure, (36) 816. lime, (27) 218; (29) 210; (31) 220.
experiments, use of plts in, (40) 629. importance, (36) 721, 733. notes, (27) 419; (28) 684; (34) 331, 514; (36)	long-continued one-sided fertilizing, (28)
320.	624. manganese, (40) 820.
relation to forestry, (39) 648. relation to root growth, (40) 30, 820.	manganese, (40) 820. molasses, (27) 419. nucleic acid, (26) 814.
relation to temperature, (34) 216. studies, (40) 718, 739.	organic solvents, (37) 422.
agricultural adaptations of, (26) 718; (31) 35,	partial sterilization, (28) 121. plant growth and fertilizers, (27) 124; (28)
418.	520.
air-dried, changes in, (30) 123. e in, (28) 31.	plant residues and sugars, (40) 121. plant roots, (30) 120; (33) 216. radioactivity, (33) 23.
ili, see Alkali,	radioactivity, (33) 23.
alluvial, of Falcat basin, Eritrea, (33) 418. American, composition, (28) 28.	
amino acids in, (34) 515.	sawdust from various woods, (39) 325. silicic acid in lime, (28) 34. smoke, (27) 229; (32) 422.
amino acids in, behavior, (27) 500; (28) 813; (29) 124.	smoke, (27) 229; (32) 422. sodium arsenite. (33) 623.
ammonia— absorption and nitrification in presence of	soluble salts, (26) 216.
absorption and nitrification in presence of zeolites, (39) 520.	sternization, (29) 22; (35) 515. storage, (38) 619.
absorption by, (34) 719.	sodium arsenito, (33) 223. soluble salts, (26) 216. sterilization, (29) 22; (35) 515. storage, (38) 619. sugar, (27) 722.
evaporation and transformation in, (26) 525.	Weather. (31) 214.
fixation in. (37) 318.	wet cultivation for rice, (38) 117. atmospheric pressure in, (26) 323.
fixing power, (27) 322.	auto-irrigators for, (38) 719.
extraction from, (40) 203. fixation in, (37) 318. fixing power, (27) 322. formation in, (27) 721. formation in, as affected by salts, (39) 218. ammonification, see Ammonification.	bacillus radicicola in, (29) 423; (33) 121. bacterial—
ammonification, see Ammonification. ammonifying efficiency, (27) 517; (28) 31. analyses, (26) 26, 127; (27) 216, 320, 321, 416; (28) 217, 493, 736; (29) 119; (30) 618, 622, 818; (31) 24; (32) 122; (33) 204, 205, 212, 213, 214, 321; (34) 810; (37) 114; (39) 423.	content as affected by carbon dioxid gas,
analyses, (26) 26, 127; (27) 216, 320, 321, 416;	(39) 618. flora of, (30) 819.
(28) 217, 493, 736; (29) 119; (30) 618, 622, 818; (31) 24; (32) 122; (33) 204, 205, 212, 212, 214, 221; (24)	Slime in, (27) 620.
810; (37) 114; (39) 423.	bacteriological—
	analysis, (28) 425; (29) 824; (39) 312, analysis, error in, (36) 214.
insufficiency, (28) 30. paper on, (32) 121.	analysis, sampling for, (39) 618.
relation to plant yield, (26) 519, value, (29) 512; (30) 119, 513; (32) 321; (33) 421, 811; (36) 617.	studies, (28) 416.
421, 811; (36) 617.	analysis, sampling for, (39) 618. studies, (28) 416. tests, (28) 22; (40) 317. bacterio-luxins in, (27) 621.
and crops, textbook, (30) 695. plants, relationship, (28) 37, 718.	hacterium lactic viscocum in (40) 214
plants, water relation between, (34) 521. soil fertility, textbook, (28) 794.	barren, studies, (31) 819. benzene derivatives in, (30) 610. biochemical factors in, (27) 500; (28) 29. biochemical progesses in, (24) 217; (40) 818
	biochemical factors in. (27) 500: (28) 29.
animal organisms of, (34) 306. antagonism of salts in, (31) 721. arable, formation, (36) 114.	040040444044 P10003503 111, (04) 211, (40) 010,
arable, formation, (36) 114.	biological— absorption, (27) 20; (31) 313.
arid—	absorption, (27) 20; (31) 313. actions, measuring, (36) 116.
brown niter spots in, (35) 724. fertilizers for, (36) 728.	activity, relation to concentration of solu- tion, (39) 323.
humus nitrogen problem in, (35) 513. humus of, (34) 719. mechanical analyses, (26) 719. nitrification in, (29) 21, 211. nitrogenous fertilizers for, (34) 219, 621.	analysis of, (31) 216. changes in, during storage, (37) 17.
humus of, (34) 719.	changes, solution as index, (39) 813.
nitrification in, (29) 21, 211.	blology of, (28) 416. black, improvement, (27) 416.
arsenic content, (30) 321, 423.	black, of Oued R'Dom Valley, Morocco, (28)
as affected by-	717. black pigment of, (36) 815.
absorbents, (36) 214. aldehydes, (31) 620.	blasting, (32) 86. bleached, in North Sea marshes, (30) 514.
alfalfa, (40) 319, 719, 722. ammonium sulphate, (34) 622.	blow, control, (32) 793.
arsenic, (32) 730; (34) 421.	blowing, management, (31) 25. bog, see Bog.
bastard trenching, (30) 236. beech leaves and litter, (35) 119.	brown, of Europe and Asia, (27) 416.
calcium, (32) 33.	brown, of Europe and Asia, (27) 416. brown, of Java and Malay Peninsula, (34) 811. "brown spots" in, (39) 323.
calcium carbonate and sulphate, (39) 821. caustic lime and chalk, (32) 399.	Carcaroous
chlorids, (35) 423. climate, (30) 514; (31) 214; (35) 210.	black alkali in, (38) 18. effect on plants, (27) 824; (31) 627, 816; (35)
continuous cropping, (35) 813.	728.
cowpess, (34) 420.	relation to pineapple chlorosis, (26) 121; (29) 623.
disinfectants, (31) 620. dynamite, (34) 125, 819.	utilization, (29) 632. calcium compounds in, (36) 621.

Soils—Continued.	Soils—Continued.
caliche, composition, (35) 511.	composition—continued.
capacities for irrigation water, (39) 213.	terminology, new, (28) 318.
capillarity, (28) 622. capillary lift of, measurement, (30) 22; (31) 720.	variation in, (37) 811. conservation, (27) 20.
carpon determination in. (40) 308.	copper determination in, (40) 807.
carbon dioxid production in, (31) 127; (38) 118. carbon dioxid treatment, (39) 618, 620; (40) 739,	cotton, of—
820.	India, nature, (27) 823.
carbon-nitrogen relations, (38) 421.	Nyasaland and Uganda, (27) 217. South Carolina, fertilizer requirements, (28)
carbonized material in. (28) 418.	196.
(30) 227	course in, elementary, (27) 96.
Carrington loam, (27) 18, 512. catalysis, studies, (28) 118. catalytic power, (30) 125.	course in, extension, (35) 194.
estalytic nower (20) 118.	courses at Iowa State College, (35) 319.
Catlin's River, analyses, (26) 719.	courses in, (36) 595.
cellulose-destroying power of, (31) 313.	cranberry, limed, Azotobacter in, (40) 214. creatinin in, origin, (26) 815.
cementing material, plant food value, (27) 513. characterizing according to molecular compo-	creatinin isolation from, (26) 419, 420.
characterizing according to molecular compo-	crop-limiting factors in, (29) 515.
sition of silicates, (31) 22. chemical—	cropped and bare, studies, (39) 517.
changes, microbial agency in, (38) 322.	Crowley silt loam, (27) 17. cultivated—
characterization, (27) 417.	absorption by, (29) 315.
criteria of productivity, (40) 120. chemistry of, (28) 416; (31) 515; (32) 618.	absorption of saits by, (34) 324.
chemistry of, (28) 416; (31) 515; (32) 618.	adsorption phenomena, (27) 20.
chemistry of— discussion (26) 717	decline in productiveness, (29) 516.
discussion, (26) 717. progress in, (30) 212.	formation of nitrates in, (26) 319. function of humus in, (26) 422.
review of investigations, (30) 119.	loss of nitrogen and organic matter from,
status, (32) 718.	(33) 809; (34) 516.
studies, (40) 125. treatise, (30) 512.	niter spots in, (32) 29.
	nitrate reduction in, (40) 319. of Cuba, (27) 117.
cherozem— classification, (28) 515.	Cyanophyceae in, (34) 513.
nitrate content, (34) 618.	dark, correlation of humus and mineral matter
notes, (28) 319.	in, (33) 720.
of Northern Caucasus, (37) 516. of Russia, (26) 812; (27) 619.	decalcification by smoke, (31) 521.
01 Russia, (26) 812; (27) 619.	decomposition of cyanamid and dicyanodiamid in, (40) 724.
sterilization, (38) 17.	decomposition of peptone and cellulose in, (34)
cherry orchard—	813.
analyses, (35) 720. chemical and biological notes, (33) 640.	deep tillage for, in Great Plains, (39) 812.
Chester loam, (27) 17. chlorin absorption, (40) 619.	DeKalb, fertilizer experiments, (39) 22; (40) 299, 723.
chlorin absorption, (40) 619.	DeKalb, fertilizer requirements, (38) 219.
chlorin and sulphur content, (30) 422. circulation of moist air in, (31) 26. circulation of intrates in, (28) 720; (30) 623. citrus, fertilization, (29) 317. classification, (26) 421; (27) 117, 320, 515; (2) 515, 537; (30) 621; (31) 719; (32) 200, 618; (3) 319, 812, 899; (36) 210, 813; (38) 512.	Deli, of Sumatra, investigations, (28) 621.
droulation of nitrates in (32) 730: (30) 633	denitrification in, (27) 424; (29) 817; (32) 618.
citrus, fertilization, (29) 317.	destructive distillation, (33) 120.
classification, (26) 421; (27) 117, 320, 515; (28	determination of— biological solution, (33) 120.
515, 537; (30) 621; (31) 719; (32) 200, 618; (3)	capillary pull, (33) 618.
319, 812, 899; (36) 210, 813; (38) 512.	critical moisture content, (32) 719.
classification—	easily soluble matter in, (26) 519.
mechanical, (35) 319. mechanical, chemical criteria, and produc-	firmness and plasticity, (27) 320.
tivity, (40) 120.	Rhizobia in, (27) 620.
tivity, (40) 120. physical principles, (26) 434.	outer surface, (26) 219. Rhizobia in, (27) 620. surface area, (30) 816. volume weight, (36) 197; (37) 18; (39) 213. disinfection, (33) 250; (36) 623; (37) 319, 519.
clay—see also Clay.	volume weight, (36) 197; (37) 18; (39) 213.
as affected by hydroxyl ions, (31) 216; (32) 318.	disinfection with carbon dioxid, (31) 248.
as affected by marling, (30) 23,	distribution of—
colloids of, (35) 319. fixation of ammoniacal nitrogen by, (29)	silt and clay in, (28) 28.
	vertical pressure in, (35) 581.
127. improvement (31) 793	dried, bacteriological studies, (29) 325. dried, increased nitrate content, (32) 817.
improvement, (31) 723. in vicinity of Mexico City, Mexico, (35)	drift, of Norfolk, England, (26) 120.
19.	dry-farm, nitrogen and humus content, (31) 318. drying, (27) 121; (28) 622; (33) 810. dynamiting in the Great Plains, (39) 812.
of Limburg, Netherlands, (38) 513. plasticity of, (28) 220.	drying, (27) 121; (28) 622; (33) 810.
cleaning for microscopic examination, (33) 109.	effect on—
climate, and plant growth, relationship, (26)	agriculture, (36) 417.
516.	avoilability of fartilizars, (34) 130: (36) 819.
Olyde series, (32) 316.	burning quality of tobacco, (38) 239. cereals, (26) 814. composition of medicinal plants, (34) 18.
coconut, analyses, (30) 20. coconut, of Malay States, analyses, (32) 420.	cereals, (20) 514.
cogon, crop-producing power, (30) 832.	composition of wheat, (26) 133; (29) 834; (30)
cogon, improvement, (31) 38.	440: (38) 518.
cohesion in, (30) 214, 215; (36) 117.	cultivated crops, (33) 825. drainage water, (26) 619.
cogon, crop-producing power, (30) 832. cogon, improvement, (31) 38. cohesion in, (30) 214, 215; (36) 117. colluvial, of Missouri, (31) 720. Coloma sand, studies, (39) 323. colored sandstone, of Germany, (31) 513.	Biographian cotton, (28) 888.
colored sandstone, of Germany, (31) 513	firmness on root development. (30) 136.
compacinon by macrois, (bb) 400.	
composition, (28) 620; (30) 513; (34) 619.	marsh plants, (29) 531. mineral content of feeds, (28) 364.
composition—	nitrogen relations of crops, (40) 822.
as affected by moles, (27) 619. affected by rainfall, (35) 514.	pecans. (34) 151.
affected by sewage irrigation, (26) 614.	pecans, (34) 151. plant varieties, (28) 537.
affecting nitrogen utilization, (39) 726.	protein content of soy beans, (28) 721.

```
Soils—Continued.

effect on—continued.
quality of wine, (26) 813.
root crops, (29) 577.
root development, (20) 328.
roses, (23) 342.
sal seedlings, (32) 144.
strawberries, (31) 534.
substances in suspension and in solution, (29) 19.
                                                                                                                                                                                                                                                                                                                                         gumbo, water penetration in, (36) 210
gummosis affected, (39) 56,
Hagerstown clay, (27) 319,
Hagerstown loam, (27) 512,
handbook, (28) 619; (29) 193,
hardpan, drainage, (26) 892,
heat conductivity, (27) 215.
                          (29) 19.
vegetation, (29) 513.
wheat, (20) 835.
ether and chloroform extracts of, (29) 801.
                                                                                                                                                                                                                                                                                                                                           heated-
                                                                                                                                                                                                                                                                                                                                         heatad—biochemical studies, (27) 620.
changes in, (30) 123.
effect on plant growth, (31) 216
germination of seeds in, (26) 640.
studies, (26) 815.
high moor and mineral, mixing, (28) 717.
highland, acidity in, (28) 813; (29) 816.
Houston black clay, (27) 512.
Houston clay, (26) 517.
                       ether and chloroform extracts of, (29) 801.
evaporation—
and run-off, (40) 810.
of ammonia from (30) 425.
of water from, (28) 622, 812; (29) 125, 211;
(30) 321; (31) 25; (32) 815; (36) 421.
under arid conditions, (26) 220.
evapo-transpiration ratio, (39) 517.
exchange of bases in, (28) 517.
exchange reactions in, (33) 119.
fallow, nitrification in, (28) 417.
fallowing experiments, (28) 321.
Fargo clay loam, (27) 512.
fermentation of mannite by, (34) 813.
ferrioation in, (30) 813.
ferrous iron in, (30) 719.
ferruginous—
ferraginous—
(30) 722.
                                                                                                                                                                                                                                                                                                                                            humid-
                                                                                                                                                                                                                                                                                                                                                                  and arid, nitrifying powers, (36) 119.
excess of soluble salts in, (38) 418.
magnesium carbonate in, (31) 815.
                                                                                                                                                                                                                                                                                                                                            humus—
as affected by fertilizers, (28) 520.
colloids of, (35) 319.
content, otherin index, (40) 619.
content, determination, (26) 406.
extracted, productiveness, (34) 516.
of Java and Malay Peninsula, (34) 811.
substances of, (28) 518.
hydrogen-ion concentration, (38) 620.
hydrogen-ion concentration,
                          ferruginous—
fixation of phosphates in, (30) 722.
relation to grape chlorosis, (26) 245.
fertilizer requirements, (26) 422; (27) 216; (29)
521; (31) 94, 217, 218; (33) 212, 213, 214, 215;
(34) 22, 512, 516, 620, 820; (35) 121.
fertilizer requirements and chemical and mineralogical composition, relation, (31) 621.
fertilizer requirements, determination, (30) 119;
(31) 217; (32) 620; (33) 22, 817; (35) 215.
fixation of fertilizers by, (32) 721.
flocculation in, (36) 21.
forest—
                                                                                                                                                                                                                                                                                                                                           hydrogen-ion concentration, (38) 620.
hydrogen-ion concentration—
as affected by fer tilizers, (39) 424.
determination, (34) 504.
hydrolysis and oxidation of salts in, (39) 522.
hydrolytic ratio, (38) 511.
hydroscopic coefficient, determination, (20) 724;
(35) 812; (30) 320; (38) 210.
hygroscopic moisture of, (20) 218.
hygroscopic indisture of, (20) 218.
hygroscopicity, (26) 220; (27) 110, 120; (30) 215;
(31) 16.
impervious clay, reclamation, (33) 430
                              forest-
                                                 absorption of phosphoric acid by, (28) 421.
absorption of rainfall by, (31) 515.
and cultivated, evaporation from, (37) 418.
animal organisms in, (28) 223.
as affected by silvicultural practices, (29)
                                                                                                                                                                                                                                                                                                                                               impervious clay, reciamation, (33) 430.
imperviousness, effect on plant growth, (27) 500;
(28) 20.
                                                                                                                                                                                                                                                                                                                                                improvement, (28) 30; (29) 820; (31) 421; (37) 813.
                                                                                                                                                                                                                                                                                                                                              improvement, (28) 30; (29) 820; (31) 421; (37) 813. improvement—
by timber, (26) 140. relation to cattle feeding, (26) 873. treatise, (28) 622, 632. increase of plant food in, (30) 517. increasing organic matter in, (29) 540. Indian alluvium, nitrification as affected by potsherds, (40) 24. indigo, of Bihar, (40) 620. infertile, cause, (27) 819. inoculated, tests, (26) 521. incculating alfalla with, (29) 332. innoculation—
                            as affected by silvicultural practices, (29)

343.

bacteria in, (29) 325; (31) 521.

composition, (38) 722.

formation, (28) 421.

nitrate formation in, (30) 624.

nitrification in, (40) 418.

nitrogen in, (33) 720.

of Germany, productiveness, (30) 514.

plant food requirements, (28) 744.

properties of, (33) 719.

review of litorature, (35) 512.

studies, (30) 515.

treatise, (26) 338.

formation, (30) 513; (31) 719; (34) 619.

formation and properties, (34) 328.

freezing and thawing, (39) 11, 18, 323.

freezing-point lowering, (39) 11, 18, 323.

from crystalline rocks, studies, (27) 415.

frozen, bacteria in, (20) 520, 816; (27) 720; (32)

33; (33) 720; (35) 723; (36) 220; (40) 513.

frozen, dynamic processes in, (33) 421.

fruit, of Pennsylvania, (28) 143.

funigation, (32) 245, 246; (38) 457.

fungus flora, (27) 728; (28) 524; (37) 718.

glacial, of Indiana, (29) 815.

Gola's osmotic theory, (32) 827.

grain-producing power, (32) 827.

grantic—

and gneiss, of the Oorso, (40) 316.

of New Hampshire, (32) 126.
                                                                                                                                                                                                                                                                                                                                                  inoculation-
                                                                                                                                                                                                                                                                                                                                                                      CONSIDERATION—CONTROL STATE OF THE CONTROL STATE OF T
                                                                                                                                                                                                                                                                                                                                                390.
preparations, tests, (28) 426; (30) 718.
review, (27) 128; (34) 218.
status of, (20) 520.
under lime deficiency, (29) 820.
with Azotobacter, (40) 617, 832.
inorganic composition, (31) 719.
inorganic phosphates, (27) 21.
insect fauna of, (30) 154.
interior surfaces, (39) 215.
iron in, studies, (40) 726.
irrigated—
                                                                                                                                                                                                                                                                                                                                                   irrigated—
drainage, (27) 686; (29) 684; (31) 684; (37)
                                  granutation and gneiss, of the Corso, (40) 316. of New Hampshire, (32) 126. phosphorus in, (37) 522. granulation, (28) 537. graphite, effect on plants, (29) 19.
                                                                                                                                                                                                                                                                                                                                                  greenhouse
                                                           partial sterilization, (26) 815; (27) 621; (31)
                                    336.
"sickness" in, (28) 119.
summer treatment, (33) 42.
temperature and moisture studies, (32) 535.
grinding, effect on microorganisms, (36) 116.
ground limestone for, (33) 220.
gumbo, analyses, (32) 212.
```

lateritics, studies, (33) 513. lateritics, studies, (33) 514. leashing experiments, (33) 514. leashing experiments, (33) 514. leashons on, (23) 2392, (23) 238, 331, (23) 395; (31) 384, (23) 236, 787; (34) 44, 617, 666; (35) 592. light	Soils—Continued.	Soils—Continued.
interspote in, (24) S11, 312; (36) 422. interspote of profit (35) 161; (36) 162; (36) 161; (36) 161; (36) 162; (36) 161; (36) 161; (36) 162; (36) 162; (36) 161; (36) 161; (36) 162; (36)	lateritic, studies, (33) 813.	marale and Music noils
mixing with clay, (24) 819 sandy, irrigation and fertilizer experiments on, (33) 286, 287. sandy, water commy of, (33) 287. lime distribution and fless in, (29) 128. lime distribution and fless in, (29) 128. lime distribution and fless in, (29) 128. lime requirement, (27) 216; (28) 122, 280; (29) 277; (31) 112, 728; (32) 30, 296, 311, 693, 616; (35) 622; (34) 221, 814; (35) 21, 714; (36) 210, (35) 622; (34) 221, 814; (35) 21, 714; (36) 210, (35) 622; (36) 282; (36)	lava, of Hawaii, studies, (33) 418.	niter, reclamation, (38) 323.
mixing with clay, (24) 819 sandy, irrigation and fertilizer experiments on, (33) 286, 287. sandy, water commy of, (33) 287. lime distribution and fless in, (29) 128. lime distribution and fless in, (29) 128. lime distribution and fless in, (29) 128. lime requirement, (27) 216; (28) 122, 280; (29) 277; (31) 112, 728; (32) 30, 296, 311, 693, 616; (35) 622; (34) 221, 814; (35) 21, 714; (36) 210, (35) 622; (34) 221, 814; (35) 21, 714; (36) 210, (35) 622; (36) 282; (36)	lawn, notes, (27) 346.	niter spots in, origin, (32) 199; (33) 121.
mixing with clay, (24) 819 sandy, irrigation and fertilizer experiments on, (33) 286, 287. sandy, water commy of, (33) 287. lime distribution and fless in, (29) 128. lime distribution and fless in, (29) 128. lime distribution and fless in, (29) 128. lime requirement, (27) 216; (28) 122, 280; (29) 277; (31) 112, 728; (32) 30, 296, 311, 693, 616; (35) 622; (34) 221, 814; (35) 21, 714; (36) 210, (35) 622; (34) 221, 814; (35) 21, 714; (36) 210, (35) 622; (36) 282; (36)	leaching experiments, (35) 514.	nitrate formation in, (27) 721; (29) 818.
mixing with clay, (24) 819 sandy, irrigation and fertilizer experiments on, (33) 286, 287. sandy, water commy of, (33) 287. lime distribution and fless in, (29) 128. lime distribution and fless in, (29) 128. lime distribution and fless in, (29) 128. lime requirement, (27) 216; (28) 122, 280; (29) 277; (31) 112, 728; (32) 30, 296, 311, 693, 616; (35) 622; (34) 221, 814; (35) 21, 714; (36) 210, (35) 622; (34) 221, 814; (35) 21, 714; (36) 210, (35) 622; (36) 282; (36)	394; (32) 596, 795; (33) 494, 617, 696; (35) 592.	nitrates in, (20) 723; (27) 419.
ilme-magnesium ratio in (28) 723. Ilme requirement, (27) 216; (28) 122, 820; (29) 797; (31) 112, 728; (32) 30, 396, 311, 609, 610; (33) 362; (34) 221, 814; (35) 21, 714; (36) 210, 816, 822; (37) 124, 212, 420, 622. Ilme requirement———————————————————————————————————	ngnt—	nitric nitrogen in, (27) 418.
ilme-magnesium ratio in (28) 723. Ilme requirement, (27) 216; (28) 122, 820; (29) 797; (31) 112, 728; (32) 30, 396, 311, 609, 610; (33) 362; (34) 221, 814; (35) 21, 714; (36) 210, 816, 822; (37) 124, 212, 420, 622. Ilme requirement———————————————————————————————————	mixing with clay, (34) 819	nitric nitrogen in, effect of salts, (40) 722.
ilme-magnesium ratio in (28) 723. Ilme requirement, (27) 216; (28) 122, 820; (29) 797; (31) 112, 728; (32) 30, 396, 311, 609, 610; (33) 362; (34) 221, 814; (35) 21, 714; (36) 210, 816, 822; (37) 124, 212, 420, 622. Ilme requirement———————————————————————————————————	on, (33) 286, 287.	nitrification in, (26) 722, 816; (27) 419; (28) 814;
ilme-magnesium ratio in (28) 723. Ilme requirement, (27) 216; (28) 122, 820; (29) 797; (31) 112, 728; (32) 30, 396, 311, 609, 610; (33) 362; (34) 221, 814; (35) 21, 714; (36) 210, 816, 822; (37) 124, 212, 420, 622. Ilme requirement———————————————————————————————————	condy water commy of (22) 907	(29) 621; (30) 23, 399, 516; (31) 318, 420, 516, 722,
as affected by fertilizers, (39) 622. sa affected by frontings, (38) 212. sa saffected by prinding, (38) 212. sa affected by prinding, (38) 212. sa affected by prinding, (38) 212. sa affected by prinding, (38) 217. sa affected by prinding, (38) 218. sa affected by account of the prinding of the prind	lime distribution and loss in. (29) 128.	518; (38) 421; (36) 118, 513; (37) 318; (38) 211. nitrifying nower. (27) 517: (34) 218, 813
as affected by fertilizers, (39) 622. sa affected by frontings, (38) 212. sa saffected by prinding, (38) 212. sa affected by prinding, (38) 212. sa affected by prinding, (38) 212. sa affected by prinding, (38) 217. sa affected by prinding, (38) 218. sa affected by account of the prinding of the prind	lime-magnesium ratio in (26) 723.	nitrifying power—
as affected by fertilizers, (39) 622. sa affected by frontings, (38) 212. sa saffected by prinding, (38) 212. sa affected by prinding, (38) 212. sa affected by prinding, (38) 212. sa affected by prinding, (38) 217. sa affected by prinding, (38) 218. sa affected by account of the prinding of the prind	ime requirement, (27) 216; (28) 122, 820; (29)	as an index to fertility, (32) 96.
as affected by fertilizers, (39) 622. sa affected by frontings, (38) 212. sa saffected by prinding, (38) 212. sa affected by prinding, (38) 212. sa affected by prinding, (38) 212. sa affected by prinding, (38) 217. sa affected by prinding, (38) 218. sa affected by account of the prinding of the prind	(33) 622; (34) 221, 814; (35) 21, 714; (36) 210,	nitrogen—
as affected by fertilizers, (39) 622. sa affected by frontings, (38) 212. sa saffected by prinding, (38) 212. sa affected by prinding, (38) 212. sa affected by prinding, (38) 212. sa affected by prinding, (38) 217. sa affected by prinding, (38) 218. sa affected by account of the prinding of the prind	519, 822; (37) 124, 212, 420, 622.	and ammonia consuming power, (35) 730.
relation to bacterial activity, (39) 225. relation to prowth of clover, (39) 516. limed and unlimed, carbon dioxid content, (36) 197. lithium in, (34) 322. loam and sandy, loss of plant food from, (30) 22. loam and sandy, loss of plant food from, (30) 22. loam and sandy, loss of plant food from, (30) 22. loam distribution of constituents in, (31) 618. loess— composition, (27) 499. infertility of subsoils, (37) 20. of Nebraska, (35) 510, 809, 810. southwestern Indians, (32) 718. southwestern Indians, (32)	as affected by fertilizers, (39) 623.	carbon, and humus ratios. (28) 217.
relation to bacterial activity, (39) 225. relation to prowth of clover, (39) 516. limed and unlimed, carbon dioxid content, (36) 197. lithium in, (34) 322. loam and sandy, loss of plant food from, (30) 22. loam and sandy, loss of plant food from, (30) 22. loam and sandy, loss of plant food from, (30) 22. loam distribution of constituents in, (31) 618. loess— composition, (27) 499. infertility of subsoils, (37) 20. of Nebraska, (35) 510, 809, 810. southwestern Indians, (32) 718. southwestern Indians, (32)	as affected by grinding, (35) 212.	content—see also Ammonification. Nitrifi-
relation to bacterial activity, (39) 225. relation to prowth of clover, (39) 516. limed and unlimed, carbon dioxid content, (36) 197. lithium in, (34) 322. loam and sandy, loss of plant food from, (30) 22. loam and sandy, loss of plant food from, (30) 22. loam and sandy, loss of plant food from, (30) 22. loam distribution of constituents in, (31) 618. loess— composition, (27) 499. infertility of subsoils, (37) 20. of Nebraska, (35) 510, 809, 810. southwestern Indians, (32) 718. southwestern Indians, (32)	as affected by fleat, (40) 720.	cation, and Nitrogen.
relation to bacterial activity, (39) 225. relation to prowth of clover, (39) 516. limed and unlimed, carbon dioxid content, (36) 197. lithium in, (34) 322. loam and sandy, loss of plant food from, (30) 22. loam and sandy, loss of plant food from, (30) 22. loam and sandy, loss of plant food from, (30) 22. loam distribution of constituents in, (31) 618. loess— composition, (27) 499. infertility of subsoils, (37) 20. of Nebraska, (35) 510, 809, 810. southwestern Indians, (32) 718. southwestern Indians, (32)	311, 609, 610; (35) 714; (36) 622; (37) 212,	as affected by clover, (27) 322.
relation to bacterial activity, (39) 225. relation to prowth of clover, (39) 516. limed and unlimed, carbon dioxid content, (36) 197. limed and unlimed, carbon dioxid content, (36) 197. lithium in, (34) 322. loam and sandy, loss of plant food from, (30) 22. loam and sandy, loss of plant food from, (30) 22. loam distribution of constituents in, (31) 618. loess— composition, (27) 499. infertility of subsoils, (37) 20. of Nebraska, (35) 510, 809, 810. southwestern Indians, (32) 718. southwestern Indians, (32) 718. southwestern Ohio, (32) 122. transition region, composition, (28) 28. cright, (27) 216; (29) 416. water-soluble material in, (36) 421. loss of— ammonia from, (27) 21. calcium, studies, (39) 517. fertilizers from, (29) 211; (38) 812. plant food from, (35) 625. lysimeter experiments, (27) 19; (29) 125; (31) 24; (38) 517. management, (20) 422, 717; (28) 537; (31) 318; (35) 30, 516; (39) 119, 813; (4) 719. managniferous, of Oahn, Hawaii, (27) 118. manunal, (29) 316; (33) 95. manured, loss of ammonin from, (27) 21. manured, loss of ammonin from, (27) 22. metabolism of, (32) 721. motabolism of, (32) 521. habama, manured, (30) 120; (27) 512. habama, manured, (30) 120; (27) 512. hamanured, loss of, (37) 421. habama, dawcon Co., (39) 120; (27) 512. hamanured, loss of, (37) 421. hamanured, (29) 412. hamanured, loss of, (37) 422. hamanured, loss of, (37) 423. hamanured, (29) 19. hamanured, loss of, (27) 19; (29) 125; (31) hamanured, (29) 19.	622; (39) 322; (40) 213, 720.	cycle, (27) 517.
197. 11	relation to bacterial activity. (39) 325.	economy of. (26) 319.
197. 11	relation to green manuring, (39) 424.	fixation in, (29) 621; (34) 422.
of Nebrasks, (35) 510, 809, 810. southwestern Indians, (32) 718. southwestern Ohio, (32) 122. transition region, composition, (23) 23. transition region, composition, (23) 23. transition region, composition, (23) 23. transition region of Nebraska, (34) 806. origin, (27) 216; (29) 415. water-soluble material in, (36) 421. loss of— ammonia from, (27) 21. calcium, studies, (39) 517. irettilizers from, (22) 211; (35) 812. plant food from, (35) 623. lysimeter experiments, (27) 19; (29) 125; (31) 24; (39) 517. management, (26) 422, 717; (28) 537; (31) 318; (35) 30, 516; (36) 119, 913; (37) 719. management, treatise, (31) 719. management, treatise, (31) 719. manural, (29) 315; (33) 95. manural, (29) 315; (33) 95. manural, (29) 315; (33) 95. manping, (27) 216, 720; (32) 226; (31) 321. mapping, (27)	relation to growth of clover, (35) 516.	metabolism of, (32) 514.
of Nebrasks, (35) 510, 809, 810. southwestern Indians, (32) 718. southwestern Ohio, (32) 122. transition region, composition, (23) 23. transition region, composition, (23) 23. transition region, composition, (23) 23. transition region of Nebraska, (34) 806. origin, (27) 216; (29) 415. water-soluble material in, (36) 421. loss of— ammonia from, (27) 21. calcium, studies, (39) 517. irettilizers from, (22) 211; (35) 812. plant food from, (35) 623. lysimeter experiments, (27) 19; (29) 125; (31) 24; (39) 517. management, (26) 422, 717; (28) 537; (31) 318; (35) 30, 516; (36) 119, 913; (37) 719. management, treatise, (31) 719. management, treatise, (31) 719. manural, (29) 315; (33) 95. manural, (29) 315; (33) 95. manural, (29) 315; (33) 95. manping, (27) 216, 720; (32) 226; (31) 321. mapping, (27)	197.	transformation in, (26) 721; (30) 717; (31) 722,
of Nebrasks, (35) 510, 809, 810. southwestern Indians, (32) 718. southwestern Ohio, (32) 122. transition region, composition, (23) 23. transition region, composition, (23) 23. transition region, composition, (23) 23. transition region of Nebraska, (34) 806. origin, (27) 216; (29) 415. water-soluble material in, (36) 421. loss of— ammonia from, (27) 21. calcium, studies, (39) 517. irettilizers from, (22) 211; (35) 812. plant food from, (35) 623. lysimeter experiments, (27) 19; (29) 125; (31) 24; (39) 517. management, (26) 422, 717; (28) 537; (31) 318; (35) 30, 516; (36) 119, 913; (37) 719. management, treatise, (31) 719. management, treatise, (31) 719. manural, (29) 315; (33) 95. manural, (29) 315; (33) 95. manural, (29) 315; (33) 95. manping, (27) 216, 720; (32) 226; (31) 321. mapping, (27)	lithium in, (34) 323.	818; (34) 423, 619.
of Nebrasks, (35) 510, 809, 810. southwestern Indians, (32) 718. southwestern Ohio, (32) 122. transition region, composition, (23) 23. transition region, composition, (23) 23. transition region, composition, (23) 23. transition region of Nebraska, (34) 806. origin, (27) 216; (29) 415. water-soluble material in, (36) 421. loss of— ammonia from, (27) 21. calcium, studies, (39) 517. irettilizers from, (22) 211; (35) 812. plant food from, (35) 623. lysimeter experiments, (27) 19; (29) 125; (31) 24; (39) 517. management, (26) 422, 717; (28) 537; (31) 318; (35) 30, 516; (36) 119, 913; (37) 719. management, treatise, (31) 719. management, treatise, (31) 719. manural, (29) 315; (33) 95. manural, (29) 315; (33) 95. manural, (29) 315; (33) 95. manping, (27) 216, 720; (32) 226; (31) 321. mapping, (27)	loam, distribution of constituents in. (31) 618.	nonprotein nitrogen of, (35) 120.
of Nebrasks, (35) 510, 809, 810. southwestern Indians, (32) 718. southwestern Ohio, (32) 122. transition region, composition, (23) 23. transition region, composition, (23) 23. transition region, composition, (23) 23. transition region of Nebraska, (34) 806. origin, (27) 216; (29) 415. water-soluble material in, (36) 421. loss of— ammonia from, (27) 21. calcium, studies, (39) 517. irettilizers from, (22) 211; (35) 812. plant food from, (35) 623. lysimeter experiments, (27) 19; (29) 125; (31) 24; (39) 517. management, (26) 422, 717; (28) 537; (31) 318; (35) 30, 516; (36) 119, 913; (37) 719. management, treatise, (31) 719. management, treatise, (31) 719. manural, (29) 315; (33) 95. manural, (29) 315; (33) 95. manural, (29) 315; (33) 95. manping, (27) 216, 720; (32) 226; (31) 321. mapping, (27)	10ess	Norfolk sandy loam, (26) 120; (27) 512.
transition region of Nebraska, (34) 806. origin, (27) 216; (29) 416. water-soluble material in, (36) 421. loss of— ammonia from, (27) 21. calcium, studies, (39) 517. fertilizers from, (29) 211; (35) 812. plant food from, (35) 623. lysimeter experiments, (27) 19; (29) 125; (31) 215, argentina, studies, (30) 119, 313; (35) 30, 516; (36) 119, 813; (37) 717. management, (26) 422, 717; (29) 537; (31) 318; manual, (29) 315; (33) 95. manured, loss of ammonia from, (27) 21. manurial, of Mysore, analyses, (28) 223. mapping, geological, in southern Bavaria, (28) 717. mapping in Germany, (28) 620. Marshall site loam, (27) 18. marling, (29) 10. marsl, see Marsh soils. Marshall site loam, (27) 512. meadow, fertilizer experiments on, (36) 516. meadow, phosphoric acid and potash requirements, (20) 424; (40) 22. mechanical treatment, importance, (26) 424. Miami desploam, (27) 512. microbiology of, (26) 872. microbiology of, (26) 873. microbiology of, (26) 872. microbi	composition, (27) 499.	nucleic acids in, (26) 814.
transition region of Nebraska, (34) 806. origin, (27) 216; (29) 416. water-soluble material in, (36) 421. loss of— ammonia from, (27) 21. calcium, studies, (39) 517. fertilizers from, (29) 211; (35) 812. plant food from, (35) 623. lysimeter experiments, (27) 19; (29) 125; (31) 215, argentina, studies, (30) 119, 313; (35) 30, 516; (36) 119, 813; (37) 717. management, (26) 422, 717; (29) 537; (31) 318; manual, (29) 315; (33) 95. manured, loss of ammonia from, (27) 21. manurial, of Mysore, analyses, (28) 223. mapping, geological, in southern Bavaria, (28) 717. mapping in Germany, (28) 620. Marshall site loam, (27) 18. marling, (29) 10. marsl, see Marsh soils. Marshall site loam, (27) 512. meadow, fertilizer experiments on, (36) 516. meadow, phosphoric acid and potash requirements, (20) 424; (40) 22. mechanical treatment, importance, (26) 424. Miami desploam, (27) 512. microbiology of, (26) 872. microbiology of, (26) 873. microbiology of, (26) 872. microbi	of Nebraska, (35) 510, 809, 810.	Alabama, (27) 417.
transition region of Nebraska, (34) 806. origin, (27) 216; (29) 416. water-soluble material in, (36) 421. loss of— ammonia from, (27) 21. calcium, studies, (39) 517. fertilizers from, (29) 211; (35) 812. plant food from, (35) 623. lysimeter experiments, (27) 19; (29) 125; (31) 215, argentina, studies, (30) 119, 313; (35) 30, 516; (36) 119, 813; (37) 717. management, (26) 422, 717; (29) 537; (31) 318; manual, (29) 315; (33) 95. manured, loss of ammonia from, (27) 21. manurial, of Mysore, analyses, (28) 223. mapping, geological, in southern Bavaria, (28) 717. mapping in Germany, (28) 620. Marshall site loam, (27) 18. marling, (29) 10. marsl, see Marsh soils. Marshall site loam, (27) 512. meadow, fertilizer experiments on, (36) 516. meadow, phosphoric acid and potash requirements, (20) 424; (40) 22. mechanical treatment, importance, (26) 424. Miami desploam, (27) 512. microbiology of, (26) 872. microbiology of, (26) 873. microbiology of, (26) 872. microbi	southwestern Indiana, (32) 718.	Alabama and West Florida, (37) 810.
ammonia from, (27) 21. calcium, studies, (39) 517. fertilizers from, (29) 211; (35) 812. plant food from, (35) 623. lysimeter experiments, (27) 19; (29) 125; (31) 24; (39) 517. management, (20) 422, 717; (29) 537; (31) 318; (35) 30, 516; (36) 119, 913; · · · / 719. management, treatise, (31) 714. manual, (29) 315; (33) 95. manured, loss of oammonia from, (27) 21. manured, loss of ammonia from, (27) 21. manured, of Mysore, analyses, (28) 223. mapping, geolgical, in southern Bavaria, (28) 717. mapping in Germany, (28) 620. Marion silt loam, (27) 12. marsh, see Marsh solls. Marshall sitt loam, (27) 512. meadow, fertilizer experiments on, (35) 516. meadow, phosphoric acid and potesh requirements, (20) 24; (40) 22. mechanical treatment, importance, (26) 424. Miami series, (32) 317. microbiology of, (28) 872. mineral— consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (28) 814. mineralogical analysis, treatise, (35) 173. microphology of, (28) 872. mineralogical analysis, treatise, (35) 173. microphology of, (28) 872. mineralogical analysis, (28) 19; (31) 206. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. microphology of, (28) 872. microphol		antarctic region, studies, (30) 818.
ammonia from, (27) 21. calcium, studies, (39) 517. fertilizers from, (29) 211; (35) 812. plant food from, (35) 623. lysimeter experiments, (27) 19; (29) 125; (31) 24; (39) 517. management, (20) 422, 717; (29) 537; (31) 318; (35) 30, 516; (36) 119, 913; · · · / 719. management, treatise, (31) 714. manual, (29) 315; (33) 95. manured, loss of oammonia from, (27) 21. manured, loss of ammonia from, (27) 21. manured, of Mysore, analyses, (28) 223. mapping, geolgical, in southern Bavaria, (28) 717. mapping in Germany, (28) 620. Marion silt loam, (27) 12. marsh, see Marsh solls. Marshall sitt loam, (27) 512. meadow, fertilizer experiments on, (35) 516. meadow, phosphoric acid and potesh requirements, (20) 24; (40) 22. mechanical treatment, importance, (26) 424. Miami series, (32) 317. microbiology of, (28) 872. mineral— consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (28) 814. mineralogical analysis, treatise, (35) 173. microphology of, (28) 872. mineralogical analysis, treatise, (35) 173. microphology of, (28) 872. mineralogical analysis, (28) 19; (31) 206. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. microphology of, (28) 872. microphol	transition region of Nebraska, (34) 806.	Antigua, (35) 214.
ammonia from, (27) 21. calcium, studies, (39) 517. fertilizers from, (29) 211; (35) 812. plant food from, (35) 623. lysimeter experiments, (27) 19; (29) 125; (31) 24; (39) 517. management, (20) 422, 717; (29) 537; (31) 318; (35) 30, 516; (36) 119, 913; · · · / 719. management, treatise, (31) 714. manual, (29) 315; (33) 95. manured, loss of oammonia from, (27) 21. manured, loss of ammonia from, (27) 21. manured, of Mysore, analyses, (28) 223. mapping, geolgical, in southern Bavaria, (28) 717. mapping in Germany, (28) 620. Marion silt loam, (27) 12. marsh, see Marsh solls. Marshall sitt loam, (27) 512. meadow, fertilizer experiments on, (35) 516. meadow, phosphoric acid and potesh requirements, (20) 24; (40) 22. mechanical treatment, importance, (26) 424. Miami series, (32) 317. microbiology of, (28) 872. mineral— consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (28) 814. mineralogical analysis, treatise, (35) 173. microphology of, (28) 872. mineralogical analysis, treatise, (35) 173. microphology of, (28) 872. mineralogical analysis, (28) 19; (31) 206. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. microphology of, (28) 872. microphol	origin, (27) 216; (29) 415.	Antigua, "gair patenes" in, (37) 421. Arad plains, (30) 213.
193 Meters (2) 3 517; (29) 537; (31) 318; (35) 30, 516; (36) 119, 813; '', 719. management, treatise, (31) 714. managamierous, of Oahn, Hawaii, (27) 118. manutal, (29) 315; (33) 95. manured, loss of ammonia from, (27) 21. mapping, (27) 216, 720; (32) 26; (31) 321. mapping in Germany, (28) 223. mapping in Germany, (28) 620. Marion silt loam, (27) 18. marling, (29) 19. marsil, see Marsh soils. Marshall silt loam, (27) 512. meadow, phosphoric acid and potesh requirements, (20) 244; (40) 22. mechanical treatment, importance, (26) 424. Miami esrics, (32) 317. microbiology of, (26) 372. mineral— consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. management, (30) 421. Begiant Kongo, analyses, (30) 220. Bessarabla, studies, 300 220. Bessarabla, studies, 300 220. Bessarabla, studies, 100 220. Bessarabla, studies, 100 220. Bessarabla, studies, 100 220. Burithst Station, Farm, analyses, (30 421. Burithst Station, Farm, analyses, (27) 417. Burma, Yamethin District, analyses, (28) 216. California, analyses, (31) 324. California, analyses, (31) 324. California, manugement, (30) 714. California, manugement, (30) 420. Canal Zone, (27) 19. Canal Zone, (27) 19. Canal Zone, (27) 19. Canal Zone, (27) 520. citrus groves, studies, (30) 420. Content, 120 415. California, manusement, (30) 625. California, manusement, (30) 420. Canal Zone, (27) 18. California, manusement, (30) 625. California, manusement, (30) 420. Canal Zone, (27) 18. California, manusement, (30) 625. California, manusement, (30	loss of—	Argentina, analyses, (26) 719; (31) 215.
193 Meters (2) 3 517; (29) 537; (31) 318; (35) 30, 516; (36) 119, 813; '', 719. management, treatise, (31) 714. managamierous, of Oahn, Hawaii, (27) 118. manutal, (29) 315; (33) 95. manured, loss of ammonia from, (27) 21. mapping, (27) 216, 720; (32) 26; (31) 321. mapping in Germany, (28) 223. mapping in Germany, (28) 620. Marion silt loam, (27) 18. marling, (29) 19. marsil, see Marsh soils. Marshall silt loam, (27) 512. meadow, phosphoric acid and potesh requirements, (20) 244; (40) 22. mechanical treatment, importance, (26) 424. Miami esrics, (32) 317. microbiology of, (26) 372. mineral— consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. management, (30) 421. Begiant Kongo, analyses, (30) 220. Bessarabla, studies, 300 220. Bessarabla, studies, 300 220. Bessarabla, studies, 100 220. Bessarabla, studies, 100 220. Bessarabla, studies, 100 220. Burithst Station, Farm, analyses, (30 421. Burithst Station, Farm, analyses, (27) 417. Burma, Yamethin District, analyses, (28) 216. California, analyses, (31) 324. California, analyses, (31) 324. California, manugement, (30) 714. California, manugement, (30) 420. Canal Zone, (27) 19. Canal Zone, (27) 19. Canal Zone, (27) 19. Canal Zone, (27) 520. citrus groves, studies, (30) 420. Content, 120 415. California, manusement, (30) 625. California, manusement, (30) 420. Canal Zone, (27) 18. California, manusement, (30) 625. California, manusement, (30) 420. Canal Zone, (27) 18. California, manusement, (30) 625. California, manusement, (30	ammonia from, (27) 21.	Argentina, studies, (30) 119.
193 Meters (2) 3 517; (29) 537; (31) 318; (35) 30, 516; (36) 119, 813; '', 719. management, treatise, (31) 714. managamierous, of Oahn, Hawaii, (27) 118. manutal, (29) 315; (33) 95. manured, loss of ammonia from, (27) 21. mapping, (27) 216, 720; (32) 26; (31) 321. mapping in Germany, (28) 223. mapping in Germany, (28) 620. Marion silt loam, (27) 18. marling, (29) 19. marsil, see Marsh soils. Marshall silt loam, (27) 512. meadow, phosphoric acid and potesh requirements, (20) 244; (40) 22. mechanical treatment, importance, (26) 424. Miami esrics, (32) 317. microbiology of, (26) 372. mineral— consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. management, (30) 421. Begiant Kongo, analyses, (30) 220. Bessarabla, studies, 300 220. Bessarabla, studies, 300 220. Bessarabla, studies, 100 220. Bessarabla, studies, 100 220. Bessarabla, studies, 100 220. Burithst Station, Farm, analyses, (30 421. Burithst Station, Farm, analyses, (27) 417. Burma, Yamethin District, analyses, (28) 216. California, analyses, (31) 324. California, analyses, (31) 324. California, manugement, (30) 714. California, manugement, (30) 420. Canal Zone, (27) 19. Canal Zone, (27) 19. Canal Zone, (27) 19. Canal Zone, (27) 520. citrus groves, studies, (30) 420. Content, 120 415. California, manusement, (30) 625. California, manusement, (30) 420. Canal Zone, (27) 18. California, manusement, (30) 625. California, manusement, (30) 420. Canal Zone, (27) 18. California, manusement, (30) 625. California, manusement, (30	fertilizers from. (29) 211; (35) 812.	arid regions, bacteriology, (27) 822.
193 Meters (2) 3 517; (29) 537; (31) 318; (35) 30, 516; (36) 119, 813; '', 719. management, treatise, (31) 714. managamierous, of Oahn, Hawaii, (27) 118. manutal, (29) 315; (33) 95. manured, loss of ammonia from, (27) 21. mapping, (27) 216, 720; (32) 26; (31) 321. mapping in Germany, (28) 223. mapping in Germany, (28) 620. Marion silt loam, (27) 18. marling, (29) 19. marsil, see Marsh soils. Marshall silt loam, (27) 512. meadow, phosphoric acid and potesh requirements, (20) 244; (40) 22. mechanical treatment, importance, (26) 424. Miami esrics, (32) 317. microbiology of, (26) 372. mineral— consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. misconceptious concerning, (28) 723. management, (30) 421. Begiant Kongo, analyses, (30) 220. Bessarabla, studies, 300 220. Bessarabla, studies, 300 220. Bessarabla, studies, 100 220. Bessarabla, studies, 100 220. Bessarabla, studies, 100 220. Burithst Station, Farm, analyses, (30 421. Burithst Station, Farm, analyses, (27) 417. Burma, Yamethin District, analyses, (28) 216. California, analyses, (31) 324. California, analyses, (31) 324. California, manugement, (30) 714. California, manugement, (30) 420. Canal Zone, (27) 19. Canal Zone, (27) 19. Canal Zone, (27) 19. Canal Zone, (27) 520. citrus groves, studies, (30) 420. Content, 120 415. California, manusement, (30) 625. California, manusement, (30) 420. Canal Zone, (27) 18. California, manusement, (30) 625. California, manusement, (30) 420. Canal Zone, (27) 18. California, manusement, (30) 625. California, manusement, (30	plant food from, (35) 623.	Asiatic Russia, investigations, (26) 621.
mapping in Germany, (28) 620. Marion sili loam, (27) 18. marling, (29) 19. marsh, see Marsh soils. Marshall sili loam, (27) 512. meadow, fertilizer experiments on, (35) 516. meadow, phosphoric acid and potash requirements, (28) 424; (40) 22. mechanical treatment, importance, (26) 424. Miami clay loam, (27) 512. Mismi series, (32) 317. microbiological reaction of. (28) 425. microbiology of, (26) 372. mineral— consistency curves, (33) 420. constituents, (28) 216. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. mineralogical analysis, treatise, (35) 16. misconceptions concerning, (33) 721. misconceptions concerning, (33) 721.	lysimeter experiments, (27) 19; (29) 125; (31) 24; (30) 517.	Belgian Kongo, analyses, (20) 515. Belgian Kongo, analyses, (34) 718; (37) 622.
mapping in Germany, (28) 620. Marion sili loam, (27) 18. marling, (29) 19. marsh, see Marsh soils. Marshall sili loam, (27) 512. meadow, fertilizer experiments on, (35) 516. meadow, phosphoric acid and potash requirements, (28) 424; (40) 22. mechanical treatment, importance, (26) 424. Miami clay loam, (27) 512. Mismi series, (32) 317. microbiological reaction of. (28) 425. microbiology of, (26) 372. mineral— consistency curves, (33) 420. constituents, (28) 216. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. mineralogical analysis, treatise, (35) 16. misconceptions concerning, (33) 721. misconceptions concerning, (33) 721.	management, (26) 422, 717; (38) 537; (31) 318;	Bessarabia, studies, (30) 320.
mapping in Germany, (28) 620. Marion sili loam, (27) 18. marling, (29) 19. marsh, see Marsh soils. Marshall sili loam, (27) 512. meadow, fertilizer experiments on, (35) 516. meadow, phosphoric acid and potash requirements, (28) 424; (40) 22. mechanical treatment, importance, (26) 424. Miami clay loam, (27) 512. Mismi series, (32) 317. microbiological reaction of. (28) 425. microbiology of, (26) 372. mineral— consistency curves, (33) 420. constituents, (28) 216. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. mineralogical analysis, treatise, (35) 16. misconceptions concerning, (33) 721. misconceptions concerning, (33) 721.	(35) 30, 516; (36) 119, 813; (1) 719.	
mapping in Germany, (28) 620. Marion sili loam, (27) 18. marling, (29) 19. marsh, see Marsh soils. Marshall sili loam, (27) 512. meadow, fertilizer experiments on, (35) 516. meadow, phosphoric acid and potash requirements, (28) 424; (40) 22. mechanical treatment, importance, (26) 424. Miami clay loam, (27) 512. Mismi series, (32) 317. microbiological reaction of. (28) 425. microbiology of, (26) 372. mineral— consistency curves, (33) 420. constituents, (28) 216. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. mineralogical analysis, treatise, (35) 16. misconceptions concerning, (33) 721. misconceptions concerning, (33) 721.	manganiferous, of Oahu, Hawaii, (27) 118.	
mapping in Germany, (28) 620. Marion sili loam, (27) 18. marling, (29) 19. marsh, see Marsh soils. Marshall sili loam, (27) 512. meadow, fertilizer experiments on, (35) 516. meadow, phosphoric acid and potash requirements, (28) 424; (40) 22. mechanical treatment, importance, (26) 424. Miami clay loam, (27) 512. Mismi series, (32) 317. microbiological reaction of. (28) 425. microbiology of, (26) 372. mineral— consistency curves, (33) 420. constituents, (28) 216. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. mineralogical analysis, treatise, (35) 16. misconceptions concerning, (33) 721. misconceptions concerning, (33) 721.	manual, (29) 315; (33) 95.	Burirhat Station Farm, analyses, (27) 417.
mapping in Germany, (28) 620. Marion sili loam, (27) 18. marling, (29) 19. marsh, see Marsh soils. Marshall sili loam, (27) 512. meadow, fertilizer experiments on, (35) 516. meadow, phosphoric acid and potash requirements, (28) 424; (40) 22. mechanical treatment, importance, (26) 424. Miami clay loam, (27) 512. Mismi series, (32) 317. microbiological reaction of. (28) 425. microbiology of, (26) 372. mineral— consistency curves, (33) 420. constituents, (28) 216. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. mineralogical analysis, treatise, (35) 16. misconceptions concerning, (33) 721. misconceptions concerning, (33) 721.	manurial, of Mysore, analyses, (28) 223.	516; (29) 736.
mapping in Germany, (28) 620. Marion sili loam, (27) 18. marling, (29) 19. marsh, see Marsh soils. Marshall sili loam, (27) 512. meadow, fertilizer experiments on, (35) 516. meadow, phosphoric acid and potash requirements, (28) 424; (40) 22. mechanical treatment, importance, (26) 424. Miami clay loam, (27) 512. Mismi series, (32) 317. microbiological reaction of. (28) 425. microbiology of, (26) 372. mineral— consistency curves, (33) 420. constituents, (28) 216. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. mineralogical analysis, treatise, (35) 16. misconceptions concerning, (33) 721. misconceptions concerning, (33) 721.	mapping, (27) 216, 720; (32) 26; (31) 321.	Cahuilla Basin, (33) 215.
mapping in Germany, (28) 620. Marion sili loam, (27) 18. marling, (29) 19. marsh, see Marsh soils. Marshall sili loam, (27) 512. meadow, fertilizer experiments on, (35) 516. meadow, phosphoric acid and potash requirements, (28) 424; (40) 22. mechanical treatment, importance, (26) 424. Miami clay loam, (27) 512. Mismi series, (32) 317. microbiological reaction of. (28) 425. microbiology of, (26) 372. mineral— consistency curves, (33) 420. constituents, (28) 216. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. mineralogical analysis, treatise, (35) 16. misconceptions concerning, (33) 721. misconceptions concerning, (33) 721.	mapping, geological, in southern Bavaria, (28)	California, distribution of humus in. (29) 415.
Marion sill loam, (27) 18. marling, (28) 10. marsh, see Marsh soils. Marshall sill loam, (27) 512. meadow, phosphoric acid and potash requirements, (20) 424 (40) 22. mechanical treatment, importance, (26) 424. Miami clay loam, (27) 512. microbiological reaction of. (28) 425. microbiology of, (28) 372. mineral— constituents, (28) 215. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. misconceptions concerning, (28) 723. Marshall sill loam, (27) 512. Canal Zone, (27) 18. Cape Colony, analyses, (33) 420. Cape of Good Hope, (33) 419. Central Park, New York City, (26) 222. Chile, radioactivity, (27) 520. citrus groves, studies, (39) 421. Coestal Plain of Virginia, (28) 421. Coestal Plain of Virginia, (28) 422. Colorado, nimitying efficiency and algal content, (39) 819. Colorado, nitrates in, (31) 619. Colorado, nitritying efficiency, (30) 818. Coquimbo, Chile, analyses, (27) 431. Cuba, analyses and fertilizer needs, (29) 416. Cumberland Plateau, improvement, (30) 820. Delaware, fertilizer and lime requirements, (39) 116.	mapping in Germany, (28) 620.	California, humus content, (30) 714.
marsh, see Marsh soils. Marshall silt loam, (27) 512. meadow, fertilizer experiments on, (35) 516. meadow, phosphoric acid and potash requirements, (20) 424 (40) 22. mechanical treatment, importance, (26) 424. Miami clay loam, (27) 512. Miami serics, (32) 317. microbiological reaction of. (28) 425. microbiology of, (26) 372. mineral— constituents, (28) 216. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. misconceptions concerning, (28) 723.	Marion silt loam, (27) 18.	California, management, (30) 625.
Marshall stit loam, (27) 512. meadow, prospheric acid and potash requirements, (28) 424; (40) 22. mechanical treatment, importance, (28) 424. Miami clay loam, (27) 512. Miami series, (32) 317. microbiological reaction of. (28) 425. microbiology of, (26) 372. microbiology of, (26) 372. consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (26) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. mineralogical analysis, treatise, (35) 16. misconceptions concerning, (38) 721. Marshall stit loam, (27) 512. Cape of Good Hope, (33) 419. Central Park, New York City, (26) 222. Chile, radioactivity, (27) 520. citrus groves, studies, (39) 421. Coestal Plain of Virginia, (28) 422. Colorado, mitrates in, (31) 619. Colorado, nitritying efficiency (30) S18. Coquimbo, Chile, analyses, (27) 431. Cuba, analyses, (36) 511. Cuba, analyses and fertilizer needs, (29) 416. Cumberland Plateau, improvement, (30) 820. Delaware, fertilizer and lime requirements, (39) 116.	marsh. see Marsh soils.	Canal Zana (27) 10
microbiological reaction of. (28) 425. microbiology of, (26) 372. microbiology of, (26) 372. consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (26) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. micrological analysis, treatise, (35) 16. misconceptions concerning, (33) 721. misconceptions concerning, (34) 511. misconceptions concerning, (35) 721. misconceptions concerning, (36) 511. misconceptions concerning, (36) 512. misconceptions concerning, (36) 512. misconceptions concerning, (36) 513. misconceptions concerning, (36) 514. misconceptions concerning, (37) 420. misconceptions concerning, (38) 420. misconceptions c	Marshall silt loam, (27) 512,	Cape Colony, analyses, (35) 20.
microbiological reaction of. (28) 425. microbiology of, (26) 372. microbiology of, (26) 372. consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (26) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. micrological analysis, treatise, (35) 16. misconceptions concerning, (33) 721. misconceptions concerning, (34) 511. misconceptions concerning, (35) 721. misconceptions concerning, (36) 511. misconceptions concerning, (36) 512. misconceptions concerning, (36) 512. misconceptions concerning, (36) 513. misconceptions concerning, (36) 514. misconceptions concerning, (37) 420. misconceptions concerning, (38) 420. misconceptions c	meadow, phosphoric acid and potash require-	Central Park, New York City, (26) 222.
microbiological reaction of. (28) 425. microbiology of, (26) 372. microbiology of, (26) 372. consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (26) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. micrological analysis, treatise, (35) 16. misconceptions concerning, (33) 721. misconceptions concerning, (34) 511. misconceptions concerning, (35) 721. misconceptions concerning, (36) 511. misconceptions concerning, (36) 512. misconceptions concerning, (36) 512. misconceptions concerning, (36) 513. misconceptions concerning, (36) 514. misconceptions concerning, (37) 420. misconceptions concerning, (38) 420. misconceptions c	ments, (26) 424; (40) 22.	Chile, radioactivity, (27) 520.
microbiological reaction of. (28) 425. microbiology of, (26) 372. microbiology of, (26) 372. consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (26) 814. mineralogical analysis, (28) 812; (29) 19; (31) 206. micrological analysis, treatise, (35) 16. misconceptions concerning, (33) 721. misconceptions concerning, (34) 511. misconceptions concerning, (35) 721. misconceptions concerning, (36) 511. misconceptions concerning, (36) 512. misconceptions concerning, (36) 512. misconceptions concerning, (36) 513. misconceptions concerning, (36) 514. misconceptions concerning, (37) 420. misconceptions concerning, (38) 420. misconceptions c	mechanical treatment, importance, (26) 424.	Coastal Plain of Virginia, (28) 422.
microbiology of, (26) 372. mineral—	Miami series, (32) 317.	Colorado, ammonifying efficiency and algal
mineral— consistency curves, (33) 420. constituents, (28) 215. plant food content, factors affecting, (28) 814. mineralogical analysis, (28) 812; (29) 16; (31) 206. mineralogical analysis, treatise, (35) 16. misconceptions concerning, (23) 721. Colorado, nitrifying editidency, (30) 818. Coquimbo, Chile, analyses, (27) 431. Cubs, analyses and fertilizer needs, (29) 416. Cumberland Plateau, improvement, (30) 820. Delaware, fertilizer and lime requirements, (39) 116.	microbiological reaction of. (26) 420.	
misconceptions concerning, (33) 721. Misconceptions concerning, (33) 721. Delivery for the first first and finite requirements, (39) 116. Delivery for the first firs	mineral—	Colorado, nitrifying efficiency, (30) 818.
misconceptions concerning, (33) 721. Misconceptions concerning, (33) 721. Delivery for the first first and finite requirements, (39) 116. Delivery for the first firs	consistency curves, (33) 420.	Coquimbo, Chile, analyses, (27) 431.
misconceptions concerning, (33) 721. Misconceptions concerning, (33) 721. Delivery for the first first and finite requirements, (39) 116. Delivery for the first firs	constituents, (28) 216.	Cuba, analyses and fertilizer needs, (29) 416.
misconceptions concerning, (33) 721. Misconceptions concerning, (33) 721. Delivery for the first first and finite requirements, (39) 116. Delivery for the first firs	mineralogical analysis, (28) 812; (29) 19; (31) 206.	Cumberland Plateau, improvement, (30) 820.
moistened, rise of temperature, (39) 617. Dell, analyses, (30) 320.	mineralogical analysis, treatise, (35) 16.	Delaware, lerthizer and time requirements,
	moistened, rise of temperature, (39) 617.	Deli, analyses, (30) 320. Department of Yonne, studies, (26) 519.
moistening, (33) 322. moistenes, interpretation of field observations on, (40) 211. moid action in, (40) 122, 318, 721. moor, see Moor and Pest. moorn see Moorn and Pest. moorn s	moistening, (33) 322.	Department of Yonne, studies, (26) 519. Dutch East India, fartilizer needs, (28) 717
on, (40) 211. Dutch East Indies, (30) 697; (38) 542.	on. (40) 211.	Dutch East Indies, (30) 597; (33) 592.
mold action in, (40) 122, 318, 721. Dutch East Indies, mineralogy of, (35) 119.	mold action in, (40) 122, 318, 721.	Dutch East Indies, mineralogy of, (35) 119.
moor, see Moor and Pest. East Africa Protectorate, (28) 423; (33) 512. morphology, (28) 515. East Friesland, (30) 321.	morphology, (28) 515.	East Friesland, (30) 321.

eastern United States, (28) 119, 222, 517; (27) 17, 319, 500, 617. Egypt, formation of sodium carbonate in, (28) 719. Egypt, permeability, (29) 816. Egypt, permeability, (29) 816. Egyptina Delta, improvement, (33) 420. Egyptian Delta, improvement, (33) 323. Fiji, analyses, (35) 320; (36) 319. Florida, classification and use, (29) 416. Florida Everglades, analyses, (29) 315. Florida, iron content, (32) 319. Georgia, geography, (32) 811. Georgia, geography, (32) 811. Georgia, jones Co., analyses, (36) 812. German Bast Africa, studies, (28) 423. German Southwest Africa, analyses, (27) 513; (31) 620. Germany, climatic types, (33) 718. Gezira, notes, (26) 719. glacial drift sheets, composition, (32) 812. Gloucestershire, Somerset, and Wiltshire, England, (35) 721. Great Interior Valley of California, (32) 28. Gaum, analyses, (40) 328. Haurakt Plains, analyses, (32) 420. Hawaii. Hawaii. ahsorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 613. humus content, (27) 7. nitrogen transformation in, (32) 719. strudies (38) 813; (27) 515.	Soils—Continued.	Soils—Continued.
Egypt, formation of sodium carbonate in, (28) 719. Egypt, permeability, (29) 816. Egyptin Delta, improvement, (33) 420. experimental farms in Burma, (36) 323. Fili, analyses, (35) 320; (36) 319. Florida, analyses, (35) 319. Florida, incontent, (32) 319. Georgia, Jones Co., analyses, (29) 315. German Bast Africa, studies, (28) 423. German Bouthwest Africa, analyses, (36) 812. Germany, climatic types, (33) 718. Gezira, notes, (26) 719. Gloucestershire, Somerset, and Wiltshire, England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Haurakt Plains, analyses, (32) 420. Hawaii. Hawaii. absorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 613. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (38) 421. fertilizer requirements, (35) 121. manganese content, (31) 720. Webster Co., (27) 823. Kutal Pilah and Jelebu districts, Malay States, (30) 115. Libyan desert, analyses, (30) 20. lower Rhine districts, 34) 811. Lüneburg Heath region, (33) 418. Luzon, analyses, (35) 1619. Macagascar, analyses, (35) 119. Madagascar and West Africa, (32) 512. Malay, acidity, (33) 512. Malay, analyses, (26) 720. Massachusetts and Connecticut, (32) 835. Mauritius, analyses, (36) 138. Mauritius, analyses, (36) 138. Milay, analyses, (36) 194. Macagascar, analyses, (30) 20. lower Rhine districts, Malay Macagascar and West Africa, (32) 512. Malaysand, (37) 514. Maryland, (3	of Fact Indies maners on (39) 423.	of Kentucky, (34) 121.
Egypt, formation of sodium carbonate in, (28) 719. Egypt, papers on, (28) 416. Egypt, permeahility, (29) 816. Egyptian Delta, improvement, (33) 420. experimental farms in Burma, (36) 323. Fiji, analyses, (35) 320; (36) 319. Florida, classification and use, (20) 416. Florida Everglades, analyses, (29) 315. Florida, iron content, (32) 319. Georgia, geography, (32) 811. Georgia, geography, (32) 811. Georgia, Jones Co., analyses, (36) 812. German Bast Africa, studies, (28) 423. German Southwest Africa, analyses, (27) 513; (31) 620. Georgia, joint ctypes, (33) 718. Gezira, notes, (26) 719. glacial drift sheets, composition, (32) 812. Glouestershire, Somerset, and Wiltshire, England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analysos, (32) 420. Hawaii. absorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 613. humus content, (27) 7. nitrogen transformation in, (32) 719. strudies (38) 813; (37) 514. Interializer requirements, (31) 720. Wobster co., (27) 823. Kuala Pilah and Jelebu districts, Malay States, (30) 115. Macaguscar, analyses, (30) 20. lower Rhine districts, (34) 811. Luzon, analyses, (30) 121. manganese content, (31) 720. Wobster co., (27) 823. Kuala Pilah and Jelebu districts, Malay States, (36) 115. Macaguar, analyses, (30) 20. lower Rhine districts, (34) 811. Luzon, analyses, (30) 12. Macagona and West Africa, atomic devices, (35) 119. Macaguar, analyses, (35) 119. Macaguar, analyses, (35) 119. Macaguar, analyses, (35) 119. Macaguar, analyses, (35) 109. Macaguar, analyses, (35) 109. Macaguar, analyses, (35) 109. Macaguar, analyses, (35) 119. Macaguar, analyses, (35) 119. Macaguar, analyses, (35) 119. Macaguar, analyses, (36) 12. Malay, analyses, (28) 210. Malay, analy		distribution of phosphorus in, (36) 424.
Egypt, permeability, (29) 816. Egyptin permeability, (29) 816. Egyptin permeability, (29) 816. Egyptian Delta, improvement, (33) 420. seperimental farms in Burma, (36) 323. Fiji, analyses, (35) 320; (36) 319. Florida, classification and use, (29) 416. Florida Everglades, analyses, (29) 315. Florida, iron content, (32) 319. Georgia, geography, (32) 811. Georgia, geography, (32) 811. Georgia, jones Co., analyses, (36) 812. German Bast Africa, studies, (28) 423. German Southwest Africa, analyses, (27) 513; (31) 620. Germany, climatic types, (33) 718. Gezira, notes, (26) 719. glacial drift sheets, composition, (32) 812. Gloucestershire, Somerset, and Wiltshire, England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Haurakt Plains, analyses, (30) 812. Great Interior Valley of California, (32) 28. Hawaii— ahsorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 613. humus content, (27) 7. nitrogen transformation in, (32) 719. strudies Content, (33) 420. Hawaii, (33) 127. Mississippi, (29) 416. Libyan desert, analyses, (30) 20. lower Rhine districts, Malay Webster Co., (27) 823. Kuala Pilah and Jelebu districts, Malay Webster Co., (27) 823. Kuala Pilah and Jelebu districts, Malay States, (30) 115. Libyan desert, analyses, (30) 20. lower Rhine districts, Malay Macedonia and Ephrus, (28) 418. Luzon, analyses, (35) 119. Macedonia and Ephrus, (28) 210. Malay, analyses, (23) 512. Malay analyses, (35) 119. Madagascar and West Africa, (32) 512. Malay, analyses, (23) 120. Malay, analyses, (20) 727. Maryland, Prince George's Co., (27) 319. Massachusetts, analyses, (20) 29. Massachusetts, analyses, (20) 29. Massachusetts, analyses, (20) 29. Masyand, (37) 514. Maryland, Prince George's Co., (27) 319. Masyand, (37) 514. Maryland, Prince George's Co., (27) 319. Masyand, (37) 514. Maryland, Prince George's Co., (27) 319. Masyand, (37) 514. Maryland, Prince George's Co., (27) 319. Masyand, (37) 514. Maryland, Prince George's Co., (27) 319. Masyand, (37) 514. Maryland, Pri	Egypt, formation of sodium carbonate in,	
Egyptian Delta, improvement, (33) 420. experimental farms in Burma, (36) 323. Fili, analyses, (35) 230; (36) 319. Florida, analyses, (35) 319. Florida, classification and use, (20) 416. Florida Evergiades, analyses, (29) 315. Florida, iron content, (32) 319. Georgia, geography, (32) 811. Georgia, geography, (32) 812. German Southwest Africa, analyses, (27) 513; (31) 620. German, climatic types, (33) 718. Gezira, notes, (26) 719. glacial drift sheets, composition, (32) 812. Glouestershire, Somerset, and Wiltshire, England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii.— absorptive power for fertilizers, (31) 723. analyses, (36) 613. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (38) 813; (37) 515.	Formt nanors on (28) 410.	manganese content, (31) 720.
Fiti, analyses, (35) 320; (36) 319. Florida, analyses, (35) 319. Florida elassification and use, (20) 416. Florida Everglades, analyses, (29) 315. Florida, iron content, (32) 319. Georgia, geography, (32) 811. Georgia, poergaphy, (32) 811. Georgia, Jones Co., analyses, (36) 812. German East Africa, studies, (28) 423. German Southwest Africa, analyses, (27) 513; (31) 620. Germany, climatic types, (33) 718. Gezira, notes, (26) 719. glacial drift sheets, composition, (32) 812. Glouestershire, Somerset, and Wiltshire, England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii.— absorptive power for fertilizers, (31) 723. analyses, (35) 508. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (33) 813; (37) 515. States, (36) 115. Idvyan desert, analyses, (30) 20. lower Rhine districts, (34) 811. Lüneburg Hendt region, (39 418. Luzon, analyses, (31) 619. Macagoscar, analyses, (35) 119. Macagonar and West Africa, (32) 512. Malay, acidity, (33) 512. Maryland, Prince George's Co., (27) 319. Massachusetts, and Connecticut, (32) 835. Mauritius, analyses, (39) 20. Iower Rhine districts, (34) 811. Lüneburg Hendt region, (39 418. Luzon, analyses, (31) 620. Madaguscar, analyses, (35) 119. Macagoscar, analyses, (35) 119. Macagonar and West Africa, (32) 512. Malay, acidity, (33) 512. Maryland, Prince George's Co., (27) 319. Massachusetts and Connecticut, (32) 836. Mauritius, analyses, (36) 620. Malay, acidity, (33) 512. Maryland, Prince George's Co., (27) 319. Massachusetts and Connecticut, (32) 836. Mauritius, analyses, (36) 118. Michigan, phosphorus requirement, (39) 322. Michigan, phosphorus requirement, (39) 322. Michigan, phosphorus requirement, (39) 320. radioactive content, (33) 417. Missouri, (39) 812. Michigan, phosphorus requirement, (39) 320. Phosphate requirement, (39) 320. Phosphate requirement, (39) 612. Madaguscar, analyses, (36) 119. Macaguscar, analyses, (3	ROVDE DATHERDING (29) 010.	Webster Co., (27) 823. Kuala Pilab and Jelebu districts. Malay
Fift, analyses, (35) 319. Florida, analyses, (35) 319. Florida, iron content, (32) 319. Georgia, Jones Co., analyses, (28) 315. Georgia, Jones Co., analyses, (38) 812. German East Africa, studies, (28) 423. German Southwest Africa, (28) 423. German Southwest Africa, analyses, (27) 513; (31) 620. Germany, climatic types, (33) 718. Gezira, notes, (26) 719. glacial drift sheets, composition, (32) 812. Gloucestershire, Somerset, and Wiltshire, England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii. absorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (33) 813; (37) 515. Interior description and use, (20) 416. Lüneburg Heath region, (33) 418. Lüzen, nalyses, (33) 181. Lüneburg Heath region, (33) 418. Lüzen, nalyses, (33) 181. Lüneburg Heath region, (32) 418. Lüzen, nalyses, (33) 181. Lüneburg Heath region, (32) 418. Lüzen, nalyses, (33) 119. Macadonia and Epirus, (28) 210. Madagascar, analyses, (35) 119: Madagascar and West Africa, (32) 512. Malay, analyses, (29) 727. Maryland, (37) 514. Maryland, Prince George's Co., (27) 319. Massachusetts, analyses, (29) 29. Massachusetts and Connecticut, (32) 835. Mauritius, analyses, (38) 513, 514. Michigan, (39) 512. Michigan, phosphorus requirement, (30) 322. Michigan, phosphorus requirement, (30) 320. radioactive content, (33) 417. Missouri, (39) 813. Mississippi, (29) 416; (35) 213, 625. Mississippi, (29)	experimental farms in Burma, (36) 323.	States, (36) 115.
Florida, classification and use, (29) 416. Florida Everglades, analyses, (29) 315. Florida, iron content, (32) 319. Georgia, Jones Co., analyses, (36) 812. German East Africa, studies, (28) 423. German Southwest Africa, analyses, (27) 513; (31) 620. Germany, climatic types, (33) 718. Gezira, notes, (26) 719. glacial drift sheets, composition, (32) 812. Gloucestershire, Somerset, and Wiltshire, England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii. Hawaii. ahsorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 613. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (33) 813; (37) 515. Lineburg Houth region, (33) 418. Lizeon, nalyses, (31) 619. Macadonia and Epirus, (28) 216. Madagascar, analyses, (35) 512. Malaqascar and West Africa, (32) 512. Malay, analyses, (29) 727. Maryland, (37) 514. Maryland, Prince George's Co., (27) 319. Massachusetts and Connecticut, (32) 835. Mauritius, analyses, (38) 613, 514. Michigan, Phosphorus requirement, (39) 322. Michigan, Vayne Co., clussification, (31) 619. Minacodonia and Epirus, (28) 216. Madagascar, analyses, (30) 519. Maladgascar and West Africa, (32) 512. Malay, analyses, (29) 727. Maryland, (37) 514. Maryland, Prince George's Co., (27) 319. Massachusetts and Connecticut, (32) 836. Mauritius, analyses, (38) 513, 514. Michigan, phosphorus requirement, (39) 322. Michigan, Vayne Co., clussification, (31) 619. Michigan, Vayne Co., dayne Co., day	Fiji, analyses, (35) 320; (36) 319.	lower Rhine districts, (34) 811.
England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii. (33) 122, 812. Hawaii. (33) 122, 812. Hawaii. (36) 128, 812. Absorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (33) 813; (37) 515. Mauritius, analyses, (38) 813, (38) 513, 514. Michigan, (39) 512. Michigan, (39) 512	Florida, classification and use, (20) 416.	Lüneburg Heath region, (33) 418.
England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii. (33) 122, 812. Hawaii. (33) 122, 812. Hawaii. (36) 128, 812. Absorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (33) 813; (37) 515. Mauritius, analyses, (38) 813, (38) 513, 514. Michigan, (39) 512. Michigan, (39) 512	Florida Everglades, analyses, (29) 315. Florida iron content. (32) 319.	Macedonia and Epirus, (28) 216.
England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii. (33) 122, 812. Hawaii. (33) 122, 812. Hawaii. (36) 128, 812. Absorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (33) 813; (37) 515. Mauritius, analyses, (38) 813, (38) 513, 514. Michigan, (39) 512. Michigan, (39) 512	Georgia, geography, (32) 811.	Madagascar, analyses, (35) 119.
England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii. (33) 122, 812. Hawaii. (33) 122, 812. Hawaii. (36) 128, 812. Absorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (33) 813; (37) 515. Mauritius, analyses, (38) 813, (38) 513, 514. Michigan, (39) 512. Michigan, (39) 512	Georgia, Jones Co., analyses, (36) 812. German East Africa, studies, (28) 423.	Maine, Arostook Co., (35) 19; (38) 620.
England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii. (33) 122, 812. Hawaii. (33) 122, 812. Hawaii. (36) 128, 812. Absorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (33) 813; (37) 515. Mauritius, analyses, (38) 813, (38) 513, 514. Michigan, (39) 512. Michigan, (39) 512	German Southwest Africa, analyses, (27)	Malay, acidity, (33) 512.
England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii. (33) 122, 812. Hawaii. (33) 122, 812. Hawaii. (36) 128, 812. Absorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (33) 813; (37) 515. Mauritius, analyses, (38) 813, (38) 513, 514. Michigan, (39) 512. Michigan, (39) 512	613; (31) 620. Germany, climatic types, (33) 718.	Maryland, (37) 514.
England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii. (33) 122, 812. Hawaii. (33) 122, 812. Hawaii. (36) 128, 812. Absorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (33) 813; (37) 515. Mauritius, analyses, (38) 813, (38) 513, 514. Michigan, (39) 512. Michigan, (39) 512	Clarica notes (96) 710	Maryland, Prince George's Co., (27) 319.
England, (35) 721. Great Interior Valley of California, (32) 28. Guam, analyses, (40) 328. Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii. (33) 122, 812. Hawaii. (33) 122, 812. Hawaii. (36) 128, 812. Absorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (33) 813; (37) 515. Mauritius, analyses, (38) 813, (38) 513, 514. Michigan, (39) 512. Michigan, (39) 512	Gloucestershire, Somerset, and Wiltshire,	Massachusetts and Connecticut, (32) 835.
Hartford quadrangle, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii. (33) 122, 812. Hawaii. (33) 128, 812. Hawaii. (35) 503. analyses, (35) 503. composition, (36) 613. humus content, (27) 7. nitrogen transformation in, (32) 719. strudies (33) 813; (37) 515. Michigan, Wayne Co., clussification, (31) 619. Minnesota— origin, (29) 830. phosphaate requirement, (30) 320. radioactive content, (33) 417. Missistippi, (29) 416; (35) 213, 625. Missusippi, studies, (26) 811. Missouri, (39) 813. Missouri, (39) 813. Missouri, (39) 813.	England, (35) 721.	Mauritius, absorptive power, (34) 816.
Hartford quadrangie, Kentucky, (29) 513. Hauraki Plains, analyses, (32) 420. Hawaii, (33) 122, 812. Hawaii— absorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies, (38) 813; (37) 515. Michigan, Wayne Co., clussification, (31) 619. Michigan, Wayne Co., clussification, (31) 619. Michigan, Wayne Co., clussification, (31) 619. Michigan, Phosphorus requirement, (39) 822. Allonesota— origin, (29) 830. phosphate requirement, (39) 417. Adioactive content, (33) 417. Mississippi, (29) 416; (35) 213, 625. Mississippi, studies, (20) 811. Missouri, (39) 813. Michigan, Phosphorus requirement, (39) 622. Allonesota— origin, (29) 830. phosphate requirement, (40) 320. radioactive content, (33) 417. Mississippi, (29) 416; (35) 213, 625. Mississippi, studies, (20) 811. Missouri, (39) 813.	(#118III. 21181VS6S, (4U) 320.	Michigan, (39) 512.
Hawaii, (33) 122, 812. Hawaii — origin, (29) 830. analyses, (35) 503. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies, (38) 813: (37) 515. Minnesota— noticin, (29) 830. phosphate requirement, (40) 320. radioactive content, (33) 417. Mississippi, (29) 416; (35) 213, 625. Mississippi, studies, (20) 811. Missouri, (89) 813. Missouri, (89) 813. Mohawk Valley, New York, (34) 718.	Hartford quadrangle, Kentucky, (29) 513.	Michigan, phosphorus requirement, (39) 322.
Hawaii— ahsorptive power for fertilizers, (31) 723. analyses, (35) 503. composition, (36) 618. humus content, (27) 7. nitrogen transformation in, (32) 719. studies (33) 813: (37) 515. Mississippi, (29) 416; (35) 213, 625. Mississippi, studies, (26) 811. Missouri, (39) 813. Missouri, (39) 813. Mohawk Valley, New York, (34) 718.	Hawaii, (33) 122, 812.	Minnesota—
analyses, (35) 503. composition, (36) 018. humus content, (27) 7. nitrogen transformation in, (32) 719. studies, (33) 813; (37) 515. Mississippi, studies, (26) 811. Missouri, (39) 813. Missouri, (39) 813. Mohawk Valley, New York, (34) 718.	Hawaii—	phoephoto requirement (40) 320
composition, (36) 618. Mississippi, (29) 416; (36) 213, 625. humus content, (27) 7. Mississippi, studies, (26) 811. nitrogen transformation in, (32) 719. Missouri, (39) 813. studies, (36) 813; (37) 515. Mohawk Valley, New York, (34) 718.	analyses, (35) 503.	radioactive content, (33) 417.
nitrogen transformation in, (32) 719. Missouri, (39) 813. studies, (36) 813: (37) 515. Mohawk Valley, New York. (34) 718.	composition, (36) 618.	Mississippi, (29) 416; (35) 213, 625. Mississippi, studies, (26) 811.
studies. (36) 813; (37) 515. Monawk Valley, New York. (34) 718.	nitrogen transformation in, (32) 719.	Missouri, (39) 813.
Highland Rim Improvement (30) 821 Morocco. (39) 616.	studies. (36) 813: (37) 515.	Monawk Valley, New York, (34) 718. Morocco, (39) 616.
Highland Rim, improvement, (30) 821. Morocco, (39) 616. Hood River Valley, analyses, (32) 812. Nobraska, bacteria in, (29) 733. Hudson Valley, New York, (34) 417. Nobraska, nitrogen content, (28) 216.	Hood River Valley, analyses, (32) 812.	Nobraska, bacteria in, (29) 733.
	Hudson Valley, New York, (34) 417.	Nebraska, nitrogen content, (28) 210. Notherlands. (32) 215.
Toeland, treatise, (30) 119. Neva drainage basin, (20) 621.	Toeland, treatise, (30) 119.	Neva drainage basin, (26) 621.
Idaho, (33) 21; (37) 20. New Jersey, (27) 513. Idaho, Latah Co., (39) 616. New Jersey, Freehold area, analyses, (38) 214.	Idaho, (33) 21; (37) 20. Idaho, Latah Co., (39) 616.	New Jersey, (27) 513. New Jersey, Freehold area, analyses, (38) 214.
Hilnois, (38) 618. Illinois, Champaign Co., (40) 514. Illinois, Champaign Co., (31) 23. Illinois, La Salle Co., (29) 727. Illinois, La Salle Co., (29) 727. Illinois, studies, (26) 518; (28) 31, 421. Imperial Valley, Calit., analyses, (36) 790. India bedgrainderdel analyses, (36) 790.	Illinois, (36) 618.	New Jersey, manurial requirements, (31) 421.
Hinois, Champaign Co., (40) 514. New Moxico, analyses, (40) 755. Hitnois, Knox Co., (31) 23. New South Wales, analyses and value, (26)	Hlinois, Champaign Co., (40) 514.	New South Wales, analyses and value, (28)
Illinois, La Salle Co., (29) 727.	Illinois, La Salle Co., (29) 727.	29.
Illinois, studies, (26) 518; (28) 31, 421. New South Wales, studies, (26) 216; (28) Traperial Valley, Calif., analyses, (36) 790. 319, 621.	Innois, studies, (20) 515; (28) 51, 421. Imperial Valley, Calif., analyses, (36) 790.	319, 621.
Tituta, pactoriorioriori attaraviosi (ta) saci	Illua, pactoriorogical analytics, (25) 220.	New York, (32) 28; (37) 317.
India, nitrogen content, (31) 215. New York, barterial content, (28) 719. Indiana— New York, studies, (36) 21.	India, httrogen content, (51) 215.	New York, studies, (36) 21.
analyses, (35) 19. New Zealand, analyses, (28) 319; (29) 728, 730; excess soluble salts in, (39) 421. (34) 617; (35) 715; (36) 723.	analyses, (35) 19.	New Zealand, analyses, (28) 319; (29) 728, 730; (34) 617; (35) 715; (36) 723.
fertilizer requirements, (38) 219. New Zealand, lime requirements, (37) 622.	fertilizer requirements, (38) 219.	New Zealand, lime requirements, (37) 622.
Fuiton Co., (40) 316. North Carolina, (30) 323; (37) 625. improvement, (39) 220. North Carolina—	Fulton Co., (40) 316.	1401 611 (310111111), (30) 323, (31) 023.
lime requirement, (38) 219. chemical and mineral analyses, (31) 621.	lime requirement, (38) 219.	chemical and mineral analyses, (31) 621.
liming experiments, (39) 429. coastal plain, fertilizer needs, (31) 629. manure for, (40) 514. maps, (33) 780.	liming experiments, (39) 429.	maps. (33) 780.
phosphorus requirement, (39) 220. petrography, (34) 512.	phosphorus requirement, (39) 220.	petrography, (34) 512.
Iowa— North Wales, (34) 223. analyses, (34) 20. northeast Indian tea districts, (40) 20.	analyses, (34) 20.	northeast Indian tea districts, (40) 20.
analyses and fertility, (32) 211; (34) 723. northern Italy, origin and composition, (27) bacterial content, (28) 627; (29) 515.	analyses and fertility, (32) 211; (34) 723.	northern Italy, origin and composition, (21)
classification, (36) 619. Horthern New York, (30) 509.	classification, (36) 619.	northern New York, (35) 509.
lime requirement, (35) 727. northern Wales, studies, (38) 116.	lime requirement, (35) 727.	northern Wales, studies, (38) 116.
Museatine Co., (40) 216. northwest Minnesota, (33) 017.	Muscatine Co., (40) 216,	northwest Minnesota, (33) 017.
Pottawattamie Co., (40) 216. Norway, (34) 16. Supplur content, (34) 27. Norway, hardpan in, (26) 620. Java, (33) 419; (38) 613. Nova Scotia, (86) 723.	Pottawattamie Co., (40) 216.	Norway, (34) 16. Norway, hardnan in, (26) 620.
Java, (33) 419; (38) 513. Nova Scotia, (36) 723.	Java, (33) 419; (38) 513.	Nova Scotia, (36) 723.
Java— Nova Scotia, analyses, (88) /15; (84) 011,	Java— and Sumetra, studies, (30) 420.	14048 Scoria, Susiyses, (92) 112; (94) 011;
fertilizer needs, (32) 217. Nyasaland, analyses, (31) 620.	fertilizor needs, (32) 217.	Nyosolond analyses (31) 620.
hygroscopicity, (30) 215. Nyngan demonstration farm, analyses, (26) studies. (27) 720. 30.	hygroscopicity, (30) 215. studies, (27) 720.	80.
fertilizor needs, (32) 217. Nyasaland, analyses, (31) 620. hygroscopicity, (30) 215. Nyngan demonstration farm, analyses, (28) studies, (27) 720. 30. Johore, analyses, (35) 320. Obrigheim and Colgenstein, Bavaria, (29)	Johore, analyses, (35) 320.	Obrigheim and Colgenstein, Bavaria, (29)
Kamerun, analyses, (29) 727. 125. Kankakee marsh region, reclamation, (30) Ohio, (36) 620.	Eamerum, Guarysos, (28) 121.	
518; (33) 22. Ohio—	518; (33) 22.	Ohio
analyses, (32) 26. 896.	analyses, (32) 26.	896.
decreased crop-producing power, (33) 809. composition, (30) 817.	decreased crop-producing nower. (33) 809.	composition, (30) 817. drainage for, (30) 217.
fertilizer requirements, (39) 815. drainage for, (39) 217. Montgomery Co., (40) 320. fertilizer requirements, (39) 217. supplying content (37) 119 southern counties, (37) 514.	Montgomery Co., (40) 320.	fertilizer requirements, (39) 217.

C-D- Continued	
Soils—Continued.	Solls—Continued.
of Olifants River irrigation scheme, (31) 418. Oregon, (27) 719.	of United States—
Oregon, studies, (32) 420.	classification, (80) 19.
Ozark upland region, (38) 217.	classification, (30) 19. studies, (28) 117. types, (27) 512.
Palatinate, absorptive capacity, (26) 319.	Uruguay, analyses, (36) 114.
pampas of Argentina, (36) 886. Paraguay, analyses, (34) 15, 323.	Uruguay, analyses and classification, (30) 623.
Paraguay, analyses, (34) 15, 323.	Utan, studies, (29) 18.
Pennsylvania, (32) 616; (33) 811. Peru, phosphoric acid content, (35) 118.	Vevey, Switzerland, (37) 212.
Perugia, Italy, (34) 810.	Virginia, (30) 319.
Philippines, analyses, (26) 318.	Virginia, phosphate requirement, (39) 22. Virginia, studies, (28) 620.
Philippines, nitrification in, (34) 718.	west Tennessee, reclamation, (30) 19.
Poland, notes, (26) 318.	west Tennessee, reclamation, (30) 19. West Virginia, analyses, (36) 722; (40) 420. Western Australia, fertility, (29) 315. Western New York, (33) 121. Western Washington, (34) 418. Wine district of Arad-Berguia, (20) 212
polar and subpolar regions, structure, (31) 23.	western Australia, fertility, (29) 315.
Porto Rico, south coast (33) 121.	Western Weshington (24) 419
Porto Rico, studies, (29) 17, 622, 815.	wine district of Arad-Hegyalja, (30) 213.
Porto Rico, south coast, (33) 121. Porto Rico, studies, (29) 17, 622, 815. Posen, composition, (26) 423.	Yorkshire, lime requirements, (40) 128.
prairie regions of Alabama and Mississippi,	Y ser valley, inundation, (33) 512.
(27) 33. Outshee amalumes (27) 99	Orangeburg sandy loam, (26) 120, 222; (27) 512.
Quebec, analyses, (37) 22.	orchard, dynamiting experiments, (33) 239.
Queensland, analyses, (27) 217; (28) 516, 620;	orchard, nitrates in, (36) 724. organic matter in, see also Organic matter.
Quebec and Ontario, analyses, (29) 233. Queensland, analyses, (27) 217; (28) 516, 620; (30) 421; (33) 22; (35) 20; (40) 314, 415.	organic matter in, (28) 418, 519; (29) 817; (30)
rice localities, microfauna of, (33) 23. rocky deserts of Turkestan, (30) 213.	516; (33) 421; (36) 512, 815; (37) 20, 121, 216.
rocky deserts of Turkestan, (30) 213.	organic matter in—
rubber producing reg ons, (33) 512. Russia, classification (28) 423. Russia, nitrogen-fixi, g bacteria in, (38) 428, Rutherglen Experinment Farm, analyses,	decomposition, (26) 616; (38) 117; (40) 213. determination, (39) 11, 312.
Russia, nitrogen-fixi, g hacteria in (38) 428.	maintenance, (37) 215.
Rutherglen Experinment Farm, analyses	organic nitrogen in, (31) 11.
(31) 313.	organic phosphorus in, (36) 212.
Sabak district, Malay States, (36) 322.	osmosis in, (26) 217; (29) 124; (30) 23; (31) 720; (33) 420; (35) 16.
Sanel, analyses, (31) 814.	(33) 420; (35) 16.
Son Luis Province Argentine (34) 512	osmotic pressure, effect on bacterial activity, (40) 722.
San Luis Valley, Colorado, (27) 18.	oxidation of sulphur in, (30) 222.
Sao Paulo, Brazil, analyses, (36) 210.	oxidizing power, (35) 624; (37) 811.
Savoy, (35) 346.	packed and unpacked, moisture content, (27)
Scania, Sweden, nitrogen content, (32) 123.	320. packing experiments, (29) 223.
Sabal, analyses, (31) 814. St. Croix, analyses, (31) 133. San Luis Province, Argentina, (34) 512. San Luis Valley, Colorado, (27) 18. Sao Paulo, Brazil, analyses, (36) 210. Savoy, (35) 346. Scania, Sweden, nitrogen content, (32) 123. semiarid region, management, (32) 215. Shenandoah River terrace, (27) 18. Slerra Leone, (34) 512.	pakihi, of New Zealand, (31) 419.
Sierra Leone, (34) 512.	pasture, English work on, (28) 216.
Sierra Nevada footbills, (33) 288, 618.	pasture, nitrification in, (30) 399; (31) 516.
Sierra Leone, (34) 512. Sierra Nevada foothilis, (33) 285, 618. small areas, studies, (20) 516. South Africa, analyses, (29) 514; (31) 119;	peat, see Peat and Moor. penetration by fertilizers, (27) 420.
(38) 411.	penetration by frost, (26) 619.
South Australia, (35) 119.	penetration by frost, (20) 619. Penn loam, (27) 17.
South Australia, analyses, (31) 720.	pervious, loss of intrates from, (37) 25.
South Carolina, lime for, (28) 726.	phosphoric acid in—
South Central Leads, (50) 524.	availability, (26) 321. concentration, (27) 418.
South Dakota, notes, (29) 19.	fixation, (37) 423.
South Russia, humus content, (32) 718. south Texas, analyses, (30) 420.	notes, (27) 500; (38) 117.
southeast England, analyses, (26) 119.	phosphorus requirements, (29) 417.
southeast England, analyses, (26) 119. southeastern Manitoba, (31) 839.	physical— character as affected by calcium oxid, (40)
southern Italian Somaliland, (29) 416.	622.
southern Italy, lateritic nature, (33) 813. southern New Jersey and their uses, (40) 19.	constants of, (26) 29.
southern New York highland region, (33)	processes in relation to temperature, (34)
511.	216. properties, (27) 120; (31) 215.
southern peninsula of Michigan, (28) 432. southern Rhodosia, (37) 212. Sulphur Spring Valley, (29) 725. Sussex area, N. J., composition, (30) 622. Sutter Basin, Calif., (29) 125. Sweden, classification, (28) 620. Carror Pure Valley, (20) 214.	properties, importance in soil judging, (31)
southern Rhodesia, (37) 212.	514.
Suspended N. J. composition (30) 622	properties, relation to crop yields, (33) 815.
Sutter Basin, Calif., (29) 125.	properties, studies, (26) 219; (33) 420. physico-chemical studies, (30) 215; (35) 21, 624.
Sweden, classification, (28) 620.	physics of, (28) 416.
Tamar River Valley, (30) 214.	physics of, (28) 416. "physiological depth" of, (31) 26.
Tamor River Valley, (30) 214. Tasmania, analyses, (28) 621. Tonnessee, (34) 323; (35) 795.	Piedmont, of North Carolina, (33) 417.
	pineappie, analyses, (29) 210.
Tennessee— bibliography, (20) 812.	Pledmont, of North Carolina, (33) 417. pineapple, analyses, (29) 210. pine-covered sand dune, investigations, (27) 217. pinery and orchard, of Cape of Good Hope, (27)
lime for. (29) 25: (39) 120.	217.
nitrogen economy, (38) 212.	plant food for, (33) 516.
Kopertson Co., (28) 510.	plant food production in, (30) 624.
Texas, (33) 417, 788. Texas, fungus flora, (36) 434.	plasticity, (32) 617. plasticity and firmness, (28) 320.
Texas, investigations, (28) 197.	plowing and cultivation, (29) 31.
Texas, investigations, (28) 197. Texas Panhandle, (34) 124.	podzol—
Transvaal analysas. (27) 639; (33) 813.	analyses and absorptive power, (33) 814. classification, (28) 515.
Tripoli, (27) 618. Tripoli, composition, (28) 620. Tripoli, solutions of, (34) 323.	composition, (30) 214.
Tripoli, solutions of. (34) 323.	composition, (30) 214. formation, (33) 814.
tropical South America, (30) 022.	
THISTOSE DESIG, New MEXICO, (32) 180.	of Middle Norland, Sweden, (35) 720. polder, of Netherlands, salt content, (27) 515.
Tunis, (31) 492.	polygon, of Iceland, (30) 515.
Turkestan, classification, (26) 621. Ugogo, German East Africa, (28) 320.	porosity, (31) 486.
Umatilla project, (38) 422.	porous, effect on fertilizers, (28) 423.

```
Soils—Continued.
potash content, (27) 323, 500.
potash solubility in, as affected by gypsum,
                                                                                                                                                                                                                                                                                                                                                                             Soils—Continued.
salt-treated—
                                                                                                                                                                                                                                                                                                                                                                                                       effect on absorption by seeds, (37) 527.
moisture equivalent, (39) 215.
sampler, description, (34) 513, 811; (37) 811.
                                        (39) 521.
                         potassium adsorption by, (34) 817.
potassium liberation from, (33) 517.
prairie, phesphorus in, (36) 514.
preparation, (28) 201.
productive and unproductive, examination,
                                                                                                                                                                                                                                                                                                                                                                                                        samples
                                                                                                                                                                                                                                                                                                                                                                                                     samples—collecting and testing, (26) 221.
preparation for study, (30) 422.
variability, (30) 815.
sampling, (28) 215; (35) 121; (36) 617; (37) 719,
811; (39) 618, 829; (40) 317.
sampling apparatus for, (30) 421, 838.
                    (30) 819.

productivity—
as affected by dry air storage, (34) 812.
determination, (38) 812.
of different layers, (34) 215.
protein decomposition in, (38) 25.
protein nitrogen in, distribution, (39) 204.
proteoses and peptones in, (34) 325.
pseudo-isotropic, heat movement in, (31) 24.
pumice, of New Zealand, notes, (27) 513.
quicklime conversion in, (40) 622.
radiating power, (29) 618.
radioactivity emanations of, (31) 20.
radioactivity, (27) 500; (28) 30; (31) 418.
radioactivity, treatise, (33) 809.
radium and thorium emanations in, (27) 418.
rawness of subsoils, (39) 620, 621; (40) 121.
reaction—
                                        (30) 819.
                                                                                                                                                                                                                                                                                                                                                                                                                                analysis methods, (31) 719.
and clayey, onl sickness in, (32) 442.
and perbly, of Finland, (36) 813.
as affected by humus, (31) 732.
green manuring experiments, (26
(30) 24.
                                                                                                                                                                                                                                                                                                                                                                                                                               (30) 24. improvement, (27) 899; (28) 32; (31) 723; (32) 124; (33) 121. lime requirements, (31) 726. loam, salts in, (30) 517. management, (28) 815; (33) 325. nitrogen flxing power, (33) 619. of Michigan, (27) 720. of Tripoli, (27) 217. pine plain, of Wisconsin, (39) 115. treatment with moor soil, (30) 625. utilization, (28) 621.
                       reaction-
                                                 stion—
and basicity of, (30) 623.
of, (34) 504; (38) 620.
of, determination, (36) 505; (38) 419.
relation to grinding, (34) 112.
with chemicals and behavior of equi-
librium, (39) 11.
                                                                                                                                                                                                                                                                                                                                                                                                       utilization, (26) 621.
Sassafras series, (32) 512.
saturation formula for, (33) 816.
seepy, drainage, (26) 892.
semiarid—
                                                                                                                                                                                                                                                                                                                                                                                                  saturation formula for, (33) 816.
seepy, drainage, (26) 802.
semiarid—
movement of salts in, (28) 421.
nitrification in, (36) 422.
sewage purification by, (35) 388.
sewage-sick, protozoa from, (29) 316.
shifting, grass for, (39) 441.
shrinkage, (38) 321; (40) 419.
shrinkage and friability, (27) 120.
sick, investigations, (28) 119.
sick, treatment, (27) 824, 847.
silick spots in, (39) 229.
sline formation in, (20) 723.
solubility—
of manganess in, (28) 813.
of nitrogenous compounds in, (29) 108.
studies, (33) 513.
soluble salt content, (40) 512.
specific gravity, (33) 206.
sponge spicules in, (27) 500, 622.
steamed, chemistry of, (28) 417, 418.
steamed, reincoulation, (27) 499; (28) 30.
sterilization, (26) 222; (28) 324, 623; (32) 321, 423, 620; (35) 21; (36) 518; (37) 213, 319, 421, 519, 719; (38) 17, 420, 514, 556, 720.
sterilization—
and disinfection of, (31) 621.
by antiseptics, (32) 816.
by caustic lime, (28) 730; (30) 399; (31) 519.
by lime, (32) 32.
effect on blacterial growth, (28) 329.
effect on bacterial growth, (28) 329.
review of investigations, (28) 815.
studies, (29) 221.
sterilizad—
and reinoculated, water-soluble matter in, (20) 22.
                    nonum, (39) 11.

red—
analyses, (32) 723.
chemical and physical nature, (28) 421.
clay, fertilizers for, (33) 517; (36) 323.
clay, of Porto Rico, (30) 818.
colloidal proporties, (32) 313.
fertilizer requirements, (29) 623.
formatiou, (29) 514, 622; (31) 513.
laterite, of Europe, (27) 513.
of Brazli, (30) 622; (38) 725.
Laipt, origin, (39) 513.
Karstian, analyses, (35) 721.
Limburg, Notherlands, (38) 513.
Mediterranean region, (36) 115.
proporties, (31) 618.
sundstone of Germany, (20) 121.
reduction of salt content, (29) 32.
reduction phenomena, (40) 214.
relation between unfree water and heat of wotting, (40) 20.
relation to—
                           relation to-
                                                   asparagus culture, (26) 640.
clinate and weather, (34) 514.
fertilizer requirements of crops, (28) 722.
forests, (38) 542.
fungi, (27) 728.
grape ronest, (28) 349.
meteorological factors, (28) 116; (35) 15.
mineral composition of parent rocks, (28) 622.
                       632.
plants, (29) 212; (31) 791.
potato leaf-roll, (27) 447.
stem diseases, (28) 646.
weeds, (27) 29, 417; (29) 30, 523.
relative unflateral impoverishment by various crops, (39) 724.
respiration of bacteria in, (27) 122.
review of investigations, (27) 417; (28) 325, 717; (30) 119; (31) 723; (33) 512, 717; (35) 516.
Attinomyretes in, (30) 518.
                                                                                                                                                                                                                                                                                                                                                                                                     sterilised—
and reinoculated, water-soluble matter in, (29) 22.
effect on crop yield, (30) 217.
effect on plant growth, (30) 225.
nitrate reduction in, (31) 121.
productivity, (31) 819.
solubility of phosphoric acid in, (28) 417.
stored, nitrogen content, (39) 421.
subaratic, unusual features, (38) 732.
sugar inversion by, (40) 123.
sulfoncation in, (36) 22.
sulfoncation in as affecting nitrogen transformations, (39) 322.
sulforjying power, (31) 318; (37) 119.
sulphates in, determination, (39) 12.
sulphur—
                                                                                                                                                                                                                                                                                                                                                                                                        sterilized-
                         Actinomycetes in, (36) 518.
spore-forming bacteria in, (36) 517.
Streptchrix in, (27) 620.
rubber, of Malay States, analyses, (32) 420.
rubber, requisites of, (28) 422.
                         saline—
of Egypt, drainage, (35) 685.
of Mediterranean coast, (28) 620.
plant life on, (40) 221, 424.
studies, (28) 516.
salt in, determining by freezing-point method, (40) 315.
salts in, movement, (33) 513.
salts in, relation to cultivated plants, (23) 426; (31) 627.
                                                                                                                                                                                                                                                                                                                                                                                                        sulphur
                                                                                                                                                                                                                                                                                                                                                                                                                                     bacteria in, (33) 23.
                                                                                                                                                                                                                                                                                                                                                                                                                                    in, (30) 20.
```

Solanum—
angustifolium, constituents of, (32) 309 caldasii, bud mutations in, (33) 222.
commersonii—
culture experiments, (28) 738.
description and culture, (36) 637. mutations in, (35) 330.
tests, (26) 437.
tubers of, (31) 529. variation in, (28) 130.
darwinianum, notes, (32) 726.
elaeagnifolium, chymase of, (36) 412. fendleri hybrid, studies, (40) 131, 241.
graft hybrids of, (33) 429.
grafts between various species, (31) 740. incanum, analyses and digestibility, (27) 871;
(32) 167.
lycopersicum, carotinoid content, (31) 803. maglia, bud mutations, (27) 230.
muricatum, tests, (27) 741.
n. spp., descriptions, (31) 425. nigrum—
crossing experiments, (35) 445,
crossing with prairie berry, (34) 146. mineral nutrition, (28) 224.
rest periods, (40) 223.
rostratum, description, (38) 539. spp., bud mutations of, (28) 530.
spp., bud variations in. (29) 829; (30) 433, 529, 730.
730. spp., studies, (26) 529.
spp., variations in, (26) 433.
torbum, grafting eggplants on, (33) 139. tuberosum, endophytic endodermal fungus in,
(32) 643.
tuberosum, origin, (31) 833. tubingense, description, (27) 31.
wild tuberiferous, descriptions, (31) 824.
Solar- activity—
and atmospheric optical phenomena, (34)
614. and planetary phenomena. (35) 618.
and planetary phenomena, (35) 618. relation to rainfall and magnetic storms,
(38) 15. stmosphere, motion of, (31) 615.
atmosphere, structure, (38) 811.
corona, rotation, (34) 414. coronae, (38) 812.
corpuscular rays, (36) 419. eclipse at Honolulu, (34) 118.
halo at Miami, Fla., (36) 718. halos, notes, (29) 121; (32) 25; (33) 717.
photosphere, spectrum and temperature of, (34)
413.
radiation— and sky radiation at Madison, Wis., (35)
419. as affected by clouds, (28) 315.
radiation intensities—
and air temperature, relation, (32) 24.
at Madison, Wisconsin, (28) 315. at Mount Weather, Vn., (31) 615; (32) 614.
at Washington, (32) 810.
radiation— measurements, (35) 115; (38) 114. papers on, (33) 320, 717; (34) 413, 614.
papers on, (33) 320, 717; (34) 413, 614. seasonal variations in, (34) 415.
variations in. (37) 417. rays, decomposition of water by, (28) 416.
rays, decomposition of water by, (25) 410. variability, (35) 619.
Soldier-
beetles, fungus diseases of, (26) 252. bug, green, studies, (32) 217; (37) 258; (38) 197.
Soldiers and sailors-
agricultural instruction for, (36) 794; (38) 299;
(39) 98, 699; (40) 591. employment in England and Wales, (35) 296.
(39) 98, 699; (40) 591. employment in England and Wales, (35) 296. farm work for, (36) 392; (38) 293; (40) 790. forestry pursuits for, (40) 898. land settlement for, (36) 290, 697; (37) 190; (38) 791; (39) 89, 648, 702; (40) 389, 591, 687, 790. encoefficient (40) 703.
land settlement for, (36) 290, 697; (37) 190; (38)
791; (39) 89, 648, 702; (40) 868, 381, 687, 780. rehabilitation, (40) 793.
rehabilitation, (40) 793. rehabilitation, cooperation of agricultural colleges in, (39) 708.
Soldiers, Arab, feeding, (33) 68.

Solenopsis-	Sorghum—Continued.
debilis, notes, (34) 752. geminata, notes, (27) 264; (28) 853; (29) 653; (34)	experiments, (35) 32.
753; (39) 59. geminata rufa, notes, (28) 158.	experiments, technique, (10) 241. for drought resistance, (34) 528.
geminata rufa, notes, (28) 158. molesta, studies, (35) 662. sp., parasitic on bec moth, (29) 860.	cultivated, prototype, (33) 531. culture, (27) 32; (31) 35; (32) 132, 226; (34) 630.
Solenothrips rubrocinctus, notes, (36) 457.	694; (35) 33.
Solivete, Syalofs, description, (26) 440. Solidago—	culture -
n.spp., descriptions, (34) 336.	experiments, (26) 436, 830; (27) 136, 559; (28) 136, 633; (29) 225; (30) 131, 824; (31) 733, 829; (32) 132, 520; (33) 31, 32, 33, 333; (34) 227, 630; (35) 529; (36) 133, 332, 735, 830; (37) 227, 320, 436, 529, 635; (38) 133, 21, 24, 23, 24, 24, 25, 26, 26, 26, 26, 27, 27, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28
sparsifiora subcinerea, notes, (20) 441. spectabilis, toxicity, (37) 482; (39) 184. Solids, determination in—	733, 829; (32) 132, 526; (33) 31, 32, 33, 333; (34) 227, 630; (35) 529; (36) 133, 232, 735
spectabilis, toxicity, (37) 482; (39) 181. Solids, determination in—	830; (37) 227, 329, 436, 529, 635; (38) 133,
evaporated milk, (30) 509. fruit juices and jellies, (29) 798.	for chicken feed, (38) 827,
milk and other fluids, (34) 206.	in California, (37) 338. cotton belt, (32) 533.
wine, (32) 715. Solubility, determination, (37) 205.	enstern Oregon, (38) 432. Guam, (32) 731.
Solutions— balanced, and antagonism, (33) 628.	Kansas, (39) 33; (40) 331.
balanced, penetration of, (35) 823.	Montana, (33) 526. New Mexico, (40) 18.
colored, acidity of, (36) 299. determination of mineral salt content, (34) 732.	Now Mexico, (40) 18. Philippines, (20) 361. sand hills of Nebraska, (35) 827.
electrical conductivity, (36) 503. equilibria in, (39) 203, 204.	Tucumān, (37) 134.
evaporation apparatus for, (34) 608; (37) 503. handling by suction, (37) 503.	Washington, (40) 730. under dry farming, (36) 528, 529; (37) 329. value, and uses, (28) 137.
lectures on, (31) 309.	value, and uses, (28) 137. depth of sowing tests, (27) 835.
nutrient, see Nutrient. standardizing, (38) 204.	digostibility, (38) 778.
standardizing, (38) 204. Solvents, treatise, (30) 310. Somatic cells as affected by strychnin, (26) 229.	digostibility, (38) 778. diseases in West Indies, (37) 452. downy mildew, studies, (31) 51.
Somatogenic characters, inheritance in, (28) 531.	Early Amber, as a dry land crop, (29) 736. Early Amber, yields, (39) 336.
crassifolius, analyses, (33) 466.	effect on following crop, (35) 827.
oleraceus, analysos and feeding value, (33) 70.	exhibits, preparation, (31) 495. feeding value, (39) 538; (40) 875.
analyses, (27) 212, 327; (34) 521.	feeding value, (38) 538; (40) 875. fertilizer experiments, (26) 232, 631, 830; (27) 336; (30) 820; (31) 421, 733, 829; (35) 328; (37) 436;
availability of nitrogen in, (35) 427. character and composition, (26) 727.	(38) 829. fodder, digestibility, (31) 863.
dispersal, (27) 212. effect on vegetation, (31) 826; (34) 154.	fodder, mineral constituents, digestibility, (40)
effect on vegetation, (31) 826; (34) 154. fertilizing value, (27) 212, 832; (29) 129; (33) 821	769. for forage, (33) 226.
Sootfall in— English towns and cities, (30) 619; (34) 15.	for sirup production, (40) 434. forage experiments, (26) 632.
Indianapolis, (32) 254. London, (27) 128, 212. St. Louis, (38) 115.	formation of sugar in, (23) 225; (29) 409. Freed, culture experiments, (40) 331.
St. Louis, (38) 115.	Fusarium disease, studies, (36) 348.
Sooty Crambus, notes, (28) 158. Sooty molds, studies, (27) 848.	grain— analyses, (37) 539.
Sorbite as source of carbon for molds, (30) 226. Sorbus aucuparia, carotinoid content, (31) 803.	and forage, irrigation experiments, (40) 330.
Sordaria fimicola, notes, (28) 562. Sordaria oryzeti n.sp., notes, (37) 148.	as forage and silage crop, (31) 829. as human food, (36) 661; (39) 538, 870, bread from, (37) 539; (40) 66.
Sore-	bread from, (37) 539; (40) 66. breeding experiments, (40) 624.
head in chickens, (32) 677. head in chickens, immunization, (30) 785.	chemistry of, (40) 608. classification, (39) 838.
mouth in dogs, (27) 576. mouth in pigs, (31) 879.	composition and feeding value, (35) 372.
throat—	composition and uses, (33) 835. culture and use, (32) 335.
epidemic in Baltimore, (28) 674. epidemic, relation to milk supply, (28) 580,	grain, culture— experiments. (27) 532: (30) 136: (34) 229.
(174; (31) 174; (33) 577; (34) 473. septic, transmission by milk, (27) 177; (32)	experiments, (27) 532; (30) 136; (34) 229. in Guam, (40) 327. in Texas, (27) 36; (29) 429; (35) 440; (39) 537,
269; (37) 273. streptococci, sources, (36) 577.	838.
Sorex fumeus umbrosus n.subsp., description, (37)	in Utah, (38) 230. under dry-land conditions, (31) 429.
758. Sorex n.forms, descriptions, (40) 351.	under irrigation, (34) 229.
Sorghum—see also Kafir, Milo, etc.	digestibility, (36) 660. drought resistance of, (28) 633.
Amber, yields, (40) 327, 733. analyses, (27) 68, 409; (28) 403.	fats and fatty acids of, (38) 410. food value, (31) 357.
and cowpea mixture for hay, (39) 129. and cowpea silage, digestibility, (31) 863.	improvement, (40) 737.
and cowpea silage, mineral constituents, digestibility, (40) 769.	improvement, (40) 737. notes, (31) 333. seed selection. (38) 237.
and cowpeas, sowing experiments, (28) 735.	seed selection, (38) 237. starches of, (35) 108, 616. storage, (39) 538.
aphidid enemics of, (31) 755. as affected by bog water, (28) 733.	treatise, (31) 834.
allected by climate and weather, (39) 236.	varieties, (32) 226, 332, 334. variety tests, (40) 433.
dry land crop, (37) 637. forage crop, (29) 225; (38) 665; (39) 532. silage crop, (29) 575; (39) 134, 231, 272; (40) 330.	green manuring experiments, (39) 31. hay, chloroform extract of, (31) 71.
Substitute for sugar. (38) 899.	hay, composition, (27) 668.
sugur-producing plant, (40) 325. biennial cropping, (38) 430. Black Amber, seeding experiments, (40) 522.	hay, digestibility, (27) 669; (31) 863; (37) 168, 865- hay, production in Nebraska, (35) 438.
Black Amber, seeding experiments, (40) 522.	head smut, studies, (31) 747.

```
Sorghum-Continued.
                                                                                                                                                                                                                                               Sorolpidium betae, notes, (28) 346.
               hydrocyanic acid in, (27) 77; (30) 30, 584; (33) 234; (35) 340; (37) 109, 113. improvement, (26) 737; (28) 736. inheritance of stem characters, (37) 234.
                                                                                                                                                                                                                                               Sorosphaera-
                                                                                                                                                                                                                                             graminis, life history and cytology, (26) 52.
veronica, tissue invasion by, (40) 50.
Sorosporella uvella (agrotidis), studies, (36) 757.
               insects affecting, (28) 555.
irrigation experiments, (27) 529; (30) 34; (35) 286.
irrigation experiments, (27) 529; (30) 34; (35) 286.
juice, defecation for sirup manufacture, (37) 511
kernel smut, covered, (30) 756.
kernel smut, studies, (34) 444; (38) 645.
                                                                                                                                                                                                                                               Sorosporium-
                                                                                                                                                                                                                                                              osportum—
panici, description, (30) 351.
reilianum, notes, (35) 45.
reilianum, studies, (31) 747.
simii, n.sp., description, (36) 450.
                                                                                                                                                                                                                                               Sorrel-
                                 free hydrocyanic acid in, (27) 635.
variation of water and dry matter in, (37)
                                                                                                                                                                                                                                                              cet—
catalytic fertilizers for, (27) 629.
disease, notes, (38) 350.
dissemination by ferm animals, (28) 839.
growth in alkalme media, (40) 40.
growth in relation to soil acidity, (35) 529.
growth in alkalme aradiation, (34) 734
              variation of water and dry matter in, (37)
637.

maturity in relation to composition, (40) 330.
midge affecting Sudan grass, (33) 746.
midge in Argentine, (33) 155.
midge, notes, (27) 36; (29) 252.
moisture content and shrinkage, (34) 828.
nonsaccharine, culture in Philippines, (40) 231.
notes, (29) 362; (29) 395.
on acid manganese soil, (39) 627.
orange, hydrocyanic acid in, (33) 234.
pigeon pea mixtures, tests, (26) 631.
plumosum, analyses, (30) 565.
rot systems and leaf areas, (35) 437.
rust, notes, (36) 541.
saccharatum, analyses, (27) 469.
seeding experiments, (37) 330, 331, 339; (38) 32, 630; (40) 227.
seeds, formation of hydrocyanic acid in, (27) 132.
selection experiments, (37) 32; (38) 433.
silage—
                                                                                                                                                                                                                                                               red, description and eradication, (34) 736; (37)
                                                                                                                                                                                                                                                Sotol as feeding stuff, (40) 277.
Sotol, notes, (29) 441.
Souma, transmission by blood-sucking insects, (26)
                                                                                                                                                                                                                                                        150.
                                                                                                                                                                                                                                                Sound-
                                                                                                                                                                                                                                                rays, path in air, (36) 719.
waves, abnormal propagation, (36) 19.
Soup cubes, composition, (31) 656.
                                                                                                                                                                                                                                               camed, inspection, (27) 565.
condensed, examination, (26) 660; (31) 658.
osmotic pressure, (28) 262.
Sour grass, culture experiments, (31) 524.
                                                                                                                                                                                                                                               Soursop—
as a stock for cherimoya and atemoya, (32) 143,
propagation, (27) 537.
                   silage-
                                  Boll Weevil Commission, report, (37) 359.
                                                                                                                                                                                                                                             Station—
financial statement, (26) 692; (28) 599.
notes, (26) 397, 495, 896; (27) 199, 800; (22) 98,
399; (30) 388, 600; (31) 198, 497; (32) 600; (34)
199, 497; (36) 197, 296, 599, 698, 899; (37) 300,
499, 600; (38) 98, 800.
report, (30) 599; (32) 598; (34) 694; (36) 693;
(38) 698; (40) 694.
report of director, (26) 692; (28) 599.
South Dakota—
College notes (26) 698; (27) 606, 607
                                                                                                                                                                                                                                                                 Station-
                                  p—
analyses, (30) 665.
evaporators, (39) 808.
from Arizona cane, analyses, (39) 769.
manufacture, (26) 512; (39) 315, 510.
notes, (37) 715.
                smut—
life history, (28) 445.
notes, (32) 240; (35) 348.
treatment, (28) 445; (38) 351; (39) 248.
stalks, feeding value, (38) 168.
sugar content as affected by castration, (31) 44.
sugar content, studies, (40) 325.
                  smut-
                                                                                                                                                                                                                                                                 College, notes, (26) 696; (27) 300, 398; (29) 700; (30) 198; (31) 300; (34) 97; (36) 797; (38) 98, 400, 600; (39) 97, 198; (40) 99, 499. Station—
                                                                                                                                                                                                                                               Station—
financial statement, (26) 692.
notes, (26) 696; (27) 300, 398; (28) 495; (29)
700; (30) 398; (32) 199; (34) 97; (36) 797; (37)
99; (38) 400, 600; (39) 97, 198; (40) 499.
report, (30) 697; (33) 398, 599; (34) 197; (37)
195; (39) 398.
South Oesterbotten Moor Experiment Station, report, (27) 723.
                sugar content, studies, (40) 325.

sweet—

as dry-farm crop, (39) 736.
forage crop, (39) 236.
hay crop, (39) 129.
silage crop, (38) 174, 630; (39) 33, 71, 129.
covered kernel smut on, (39) 756.
critical period of growing season, (39) 811.
feeding value of seed, (39) 71.
of India, analyses, (32) 136.
seeding rates, (40) 729.
textbook, (30) 635.
toxicity, (27) 78.
transpiration in, (34) 522; (36) 226.
triple-seeded spikelets in, (36) 532.
uses of grain, (39) 538.
v. corn for forage, (35) 529.
varieties, (28) 233, 631; (27) 32, 337, 736; (28) 533, 735, 827; (29) 426, 525, 631; (30) 828; (31) 36, 133, 735, 827; (29) 426, 525, 631; (30) 828; (31) 36, 133, 735, 827; (29) 426, 525, 631; (30) 828; (31) 36, 133, 735, 827; (29) 426, 525, 631; (30) 828; (31) 36, 133, 435, 436; (38) 32, 334, 441, 431, 433, 630, 828, 829, 830, 831; (40) 331, 823; (39) 141.
variety tests, (39) 33, 129, 433, 434, 835, 838; (40) 32, 230, 624.
vulgare—

and S. belenense description and culture.
                   sweet
                                                                                                                                                                                                                                                report, (27) 723.
Southern—
                                                                                                                                                                                                                                                                 Educational Association, (26) 200.
Forestry Congress, proceedings, (37) 450.
States Conference on Secondary Agricultural
Education, (34) 799.
                                                                                                                                                                                                                                               Education, (34) 799.

Sow thistle—
eradication, (31) 739; (39) 744.
geographical distribution, (25) 335.

Sowbugs as blister rust carriers, (39) 248.

Sows—see also Pigs and Swine.
black pigment in mammary area, (35) 376.
breeding during lactation, (39) 274.
                                                                                                                                                                                                                                                               brood—alfalfa hay for, (40) 75.
body length and fertility in, (36) 371.
care and management, (30) 871.
feed requirements of, (28) 769.
goitrous condition, (39) 187; (40) 185.
mineral requirements, (40) 372.
cost of wintering, (39) 175.
ceffect of feed on offspring, (27) 279.
feeding, (28) 575.
gestation period in, (28) 466.
milk, composition, (40) 775.
ovariotomy in, (27) 875; (30) 673; (31) 870; (33)
871; (33) 376.
                                                                                                                                                                                                                                                                  brood-
                    vulgare
                                      and S. halepense, description and culture,
 and S. halepense, description and culture, (35) 640.
cyanogenesis in, (40) 804.
formation of cyanogen in, (28) 527.
notes, (27) 32.
water requirement, (29) 826; (32) 127, 226, 335; (35) 529, 823; (38) 229.
yields, (29) 32.
Sorgo and corn, transpiration, (39) 440.
Sorindeia oleosa fruit, studies, (28) 360.
Sorodiscus callitrichis, tissue invasion by, (40) 50.
                                                                                                                                                                                                                                                                 871; (35) 376.
pregnant, iodin requirement, (37) 278.
wintering, (39) 73.
wintering, colony-house system, (34) 173.
```

Soy bean—	Soy hears—Continued.
bacteria as affected by acidity, (39) 722. bacterial blight, studies, (37) 842.	as affected by— ammonium sulphate, (40) 30.
bacterial discuse, studies, (38) 451. bacterial leaf spot, notes, (36) 47.	barium and strontium, (40) 819. calcium and magnesium, (35) 726.
cake	lithum salts, (28) 526.
analyses, (26) 266, 767, 809; (27) 872; (29)	magnesia, (40) 726. pod position, (34) 134.
analyses, (26) 266, 767, 809; (27) 872; (29) 270, 467; (30) 268, 467; (36) 65; (38) 771. composition, (29) 712.	sulphur, (38) 221.
effect on milk and butter, (28) 372; (31) 570.	as animal food, (37) 236.
feeding value, (38) 771. fertilizing value, (26) 42.	cause of scurvy, (39) 771. cover crop, (32) 332.
fertilizing value, (20) 12. for cattle, (26) 408, 476; (29) 577. nutritive value, (28) 673.	(arm crop), (26) 434.
sugar content, (37) 208.	for age crop. (37) 640; (39) 532. grazing crop for pigs. (37) 679.
v. cotton-seed cake for cows, (29) 172. casem, manufacture, (40) 415.	green feed for chickens, (32) 570. green manure, (35) 337; (37) 320, 425; (39) 326,
cheese, analyses, (28) 166. chop, analyses, (31) 864.	725.
chop, analyses, (31) 864. diseases, studies, (33) 547.	hog pasture, (30) 373, 375, 474, human food, (27) 765; (31) 66; (35) 663; (37) 164, 236; (38) 197, 741; (39) 267, 366, 769, 870, 871; (40) 66, 557, 762.
dishes, preparation, (26) 68. flour, analyses, (39) 769, 870.	164, 236; (38) 197, 741; (39) 267, 366, 769,
flour, analyses, (39) 769, 870. flour and condensed milk for infants, (27) 664.	870, 871; (40) 66, 557, 762.
flour, use, (34) 859.	preparatory crop for tobacco, (30) 341. silage crop, (27) 140.
food products, preparation, (32) 560. forage, composition, (33) 71; (35) 532.	ash analyses, (29) 861.
Fusarium blight or wilt disease, (37) 50	botanical history, (34) 336. breeding experiments, (33) 331.
hay— analyses, (35) 562; (38) 376.	carbohydrates and enzyms of, (34) 311.
ash analyses, (29) 801. digestibility, (39) 171.	commercial products from, (32) 854. composition, (26) 24.
toxic effect on young animals, (36) 79.	composition and characteristics, (26) 68.
leaf spot, notes, (35) 247.	composition and food value, (32) 64. cost of production, (32) 527; (33) 293; (34) 137. creatinin content, (33) 725.
meal— ammonification in soils, (33) 808.	creatinin content, (33) 725.
analyses, (26) 207, 363, 809; (27) 570; (30) 268; (31) 467; (33) 870; (34) 263; (38) 572.	culture, (26) 24, 830; (27) 32, 140, 237; (28) 137; (30) 335; (31) 265; (32) 132, 431; (33) 235, 731;
analysis, methods, (34) 311.	(34) 630; (35) 35; (37) 235; (38) 34, 35, 231, 434.
availability of nitrogen in, (26) 124; (27) 723. offect on activity of soil fungi, (36) 215.	eulture— and uso. (27) 237: (29) 142, 536: (31) 333, 832:
feeding value, (39) 374, 376, 575, 784.	and use, (27) 237; (29) 142, 536; (31) 333, 832; (32) 633; (33) 438; (35) 33; (37) 442. climatic control, (38) 415.
for chicks, (37) 682.	enmatic control, (38) 415. experiments, (26) 422, 830; (27) 31, 235, 336.
feeding value, (39) 374, 376, 575, 784. for chicks, (37) 882. for pigs, (27) 874; (29) 371; (38) 474. toxicity, (36) 580.	430, 638, 735; (28) 633, 734, 735; (29) 32, 432;
v. cottonseed meal for cows, (32) 573. milk, analyses, (39) 769.	225, 229; (34) 227, 228; (35) 826; (36) 819;
milk, manufacture, (33) 660; (36) 262.	experiments, (28) 422, 830; (27) 31, 235, 336, 430, 638, 735; (28) 633, 734, 735; (29) 32, 432; (30) 632; (31) 37, 133; (32) 227, 132; (33) 31, 225, 229; (34) 227, 228; (35) 826; (36) 849; (37) 227, 235, 529, 729; (38) 229, 330, 632, 827; (39) 127, 217
oll— analyses, (28) 493.	10r 8600, (36) 828.
as substitute for coconut oil and cacao butter, (30) 614.	in Alabama, (40) 828, 829. Antigua, (30) 735. Bongal, (30) 438. C'ambodia, (30) 438.
chemistry of, (36) 206.	Bongal, (30) 438.
chemistry of, (36) 206. composition, (26) 414; (27) 611. detection, (28) 412; (29) 613; (30) 413, 617.	Cambodia, (30) 438.
examination, (26) 414. extraction, (36) 532.	cotton belt, (32) 533; (39) 138. Dutch East Indies, (30) 697.
hydrogenated, properties, (34) 9.	German East Africa, (27) 419. Illinois, (37) 438.
hydrogenated, properties, (34) 9. industry, statistics, (39) 9.	Mississippi, (34) 37; (39) 231. Montana, (33) 526.
oxidation and polymerization, (34) 407. physical constants, (35) 312.	Montana, (33) 526. North Carolina, (31) 132.
physical constants, (35) 312. production and consumption in United States, (40) 614.	Pennsylvania, (38) 741.
properties, (26) 24.	Philippines, (26) 361; (10) 632. Porto Rico, (29) 631.
properties, (26) 24, refractive index, (27) 614, specific heat, (40) 68, studies, (29) 712.	Texas, (40) 729.
studies, (29) 712.	Washington, (40) 730. on Ozark uplands, (38) 217.
use in manufacture of paint, (28) 114. phasin, agglutinating properties, (31) 774.	under dry farming, (30) 435. decomposition in soil, (40) 214.
products, notes, (26) 809.	description, (30) 828. distribution of nitrogen in, (36) 269.
products, utilization, (26) 613. protein, nutritional value, (40) 463.	distribution of nitrogen in, (36) 269. economic value, (26) 24.
protein, utilization, (26) 564. stem borer, notes, (36) 157.	effect on-
urease, preserving, (40) 805.	companion crop of corn, (38) 338. nitrate content of soils, (29) 818.
soy beans— amino acid in. (33) 665.	soil moisture, (38) 418. soil nitrogen, (20) 198; (31) 733.
amino acid in, (33) 665. analyses, (27) 235, 237, 775; (28) 138, 469; (29) 367; (30) 340; (31) 529; (32) 633; (33) 71; (34) 37, 1411 (31) (32) (32) (32) 327	soil nitrogen, (26) 198; (31) 733. succeeding crop, (37) 235; (40) 125, 829
141, 311, (30) 003, (30) 337.	elongation of hypocotyl, (28) 739.
anatomical structure, (28) 660.	feeding value, (34) 37, 867.
and alfalfa hay for milk production, (32) 265. condensed milk for infants, (35) 556.	fertilizer experiments, (26) 32, 422, 631, 830; (27) 638; (28) 138, 721; (29) 137, 830; (30) 34, 820; (31)
corn as silage crop, (40) 135. corn for silage, seeding experiments, (40)	638; (28) 138, 721; (29) 137, 830; (30) 34, 820; (31) 133, 430; (34) 132, 294; (35) 220, 724; (38) 217, 218; (39) 127, 217, 421, 531, 728; (40) 439, 828.
135.	lertilizing value, (32) 629; (35) 125.
cowpeas, comparative yields, (40) 330. antineuritic value as affected by heat and alka-	field tests in Fiji, (40) 231. formation of oil in, (32) 427.
lis, (40) 565.	irost resistance in, (30) 438.
applying fertilizing solutions to aerial portions, (30) 129.	germination as affected by green manures, (33) 331.

Soy beans—Continued.	Spalangia—Continued.
growing— in sand media, (36) 297; (39) 28.	philippinensis n.sp., description, (38) 557. spp., parasitic on fruit flies, (31) 456.
in sand media, (36) 297; (39) 28. with corn, (39) 336; (40) 135, 627. with cowpeas, (40) 829.	spp., parasitic on fruit flies, (31) 456. Spanioneura fonscolombii, notes, (35) 54. Spaniosis redicators as a description (38) 253
with grain, (39) 741; (40) 822.	Sparassis radicata n.sp., description, (38) 253. Sparganothis—
growth— and nitrogen-fiving power on acid soils, (36)	(Oenophthira) pilleriana, notes, (34) 63.
514.	Sparganum raillietti—
as affected by sulphur, (32) 724. In relation to climate, (29) 616; (33) 116; (36)	in pigs, (35) 79. n.sp., description, (28) 886.
809; (38) 318, 627. in various salts, (36) 31.	Sparrows-
on calcareous soils, (31) 816.	American tree, correct name, (40) 161. coccidiosis in, (26) 187.
harvesting, (37) 895. histology, (30) 363.	control, (39) 654, 862.
nogging down, (35) 672.	destructive to codling moth, (27) 559. destructive to grain aphids, (29) 452.
illustrated lecture, (40) 599. immature seeds, oil content, (40) 439.	dissemination of Virginia creeper by, (34) 629 English—
inheritance in, (39) 331. inoculation, (33) 531; (36) 527; (40) 215, 328, 439.	destructive to alfalfa weevil, (31) 655.
inoculation experiments, (33) 229; (36) 835; (38)	destructive to locusts, (28) 351. destructive to periodical cicada, (28) 157.
34. insects affecting, (27) 155.	dissemination of mites by, (26) 246.
irrigation, (29) 621.	egg-laying cycles, (37) 869. food of, (33) 553; (38) 457. notes, (27) 254.
liming experiments, (36) 229; (39) 221, 236, 325, 421, 729, 741; (40) 126, 439.	notes, (27) 254. house, feeding habits, (28) 450.
lipase of, (34) 111. Manchurian, analyses, (39) 107.	new seaside, description, (40) 547.
manual, (27) 435.	relation to blackhead in turkeys, (37) 384. trematode in, (39) 760.
microscopical anatomy, (32) 112. nitrogen assimilation by, (33) 426.	Spartina-
nitrogen content, factors affecting, (39) 236, 741. nodule bacteria of, (32) 33, 327, 727; (36) 848;	for coast erosion control, (40) 530. glabra, analyses, (29) 270.
(32) 451; (39) 338. notes, (26) 235, 362, 438; (28) 194; (29) 865; (30)	Spartium junceum—
notes, (26) 235, 362, 438; (28) 194; (29) 865; (30) 339.	carotinoid content, (31) 803. seed, chemistry of, (37) 710.
nutritive value, (27) 765; (30) 760; (39) 164, 667.	Spavin— pathology of, (40) 778.
nutritive value, (27) 765; (30) 760; (39) 164, 667. on acid soil, (39) 326. on inoculated soil, (39) 519.	studies, (39) 590, 686.
pasture for pigs, (33) 762. pedigreed, in Wisconsin, (40) 624.	Spear grass— analyses, (28) 463.
phosphate injury, (39) 727, 827.	for cattle, (28) 770.
phytosterol content, (26) 607.	giant, microscopy of pulp, (27) 315. Spearmint—
phosphate injury, (39) 727, 827. phytosterol content, (26) 607. production and use, (39) 237, 442, 640, 741. protein content, factors affecting, (34) 140, 632; (36) 232; (39) 236, 741. radium fertilizer for, (32) 821. radinase content, (40) 171. rotation experiments, (33) 828; (36) 829	culture, (34) 151; (38) 246. oil as affected by harvest, drying, and freezing,
(36) 232; (39) 236, 741. radium fertilizer for. (32) 821.	(38) 807.
raffinase content, (40) 171. rotation experiments, (33) 828; (36) 829.	oil, investigation, (26) 713. Species—
seed—	individuality of proteins, (26) 876.
color variation in, (37) 334.	origin of, (26) 728; (27) 467; (28) 667; (30) 224; (31) 35, 823.
harvesting, (38) 237. weight in relation to pod type, (38) 535. seeding experiments, (37) 439; (40) 828.	origin of, treatise, (30) 432.
selection and breeding, (31) 829.	relationships, (36) 221. Spectrophotometry—
selection experiments, (37) 636; (38) 237; (40) 623.	of the blood, (29) 408. use in analysis, (31) 502.
shrinkage tests, (38) 840. silage from, (39) 272. soap from, (30) 614.	Spectroscope, use in acidimetric titrations, (39) 503.
soap from, (30) 614. softening effect on pork fat, (37) 680.	Speeds, calculating, (29) 389. Spegazzinia ornata, notes, (29) 647.
strains for rainy and dry seasons, (40) 632.	Speisefett, notes, (29) 564. Speit—
sucrose content, (28) 166. urease of, (32) 803; (35) 10, 109, 110.	and wheat, hybridization, (38) 636; (40) 524.
ureolytic action, (30) 503. use in infant feeding, (34) 859.	as a forage crop, (38) 827. bacterial blight, notes, (35) 845.
uses. (30) 760: (36) 336, 532.	bacterial blight, notes, (35) 845. bran, analyses, (26) 266. classification studies, (31) 327.
varieties, (26) 631, 828, 830; (27) 32, 235, 237, 335, 337, 638; (28) 138; (29) 31, 137, 432; (30) 434, 525, 828, 834; (31) 37, 133, 226, 333, 430, 829; (32) 226, 527, 633, 827, 830; (33) 33, 229, 225, 430, 227, 237, 237, 237, 237, 237, 237, 237	011 trans
525, 828, 834; (31) 37, 133, 226, 333, 430, 829; (32) 226, 527, 633, 827, 830, (33) 33, 229, 235, 430	and variety tests, (40) 333. at Belle Fourche, (40) 332. experiments, (27) 638; (32) 526; (34) 138; (36) 32, 34; (37) 330; (38) 634; (39) 435, 735. in Oregon, (39) 228. southern Idaho, (36) 227. Texas Panhandle, (29) 429; (35) 440.
828; (34) 228, 632; (35) 35, 337, 532; (36) 233,	experiments, (27) 638; (32) 526; (34) 138;
828; (34) 228, 632; (35) 35, 337, 532; (36) 233, 828, 829; (37) 234, 235, 332, 439, 442, 636; (38) 34, 35, 229, 334, 431, 632; (39) 337.	in Oregon, (39) 228.
varietics for silage, (40) 134. variety tests, (39) 127, 129, 336, 434, 737, 738, 799;	southern Idaho, (36) 227. Texas Panhandle, (29) 429: (35) 440.
(40) 733, 828.	W YOULING, (30) 521.
water requirement, (32) 127. yields, (31) 226; (34) 228.	fall-sown, in Maryland and vicinity, (36) 736, fertilizer experiments, (27) 638.
Soy sauce-	milling and baking tests, (40) 234. milling tests, (26) 462.
Japanese, brewing, (30) 828 notes, (26) 809.	seeding experiments, (40) 334.
Spaerophoria sulphuripes, notes, (28) 250.	series of wheat varieties, (40) 636.
Spaghetti as a medium for growth of typhoid fever	varieties, (27) 32, 137, 334, 638, 736; (29) 222; (32) 431; (33) 34; (34) 733; (35) 229; (36) 32; 332, 530; (38) 634; (39) 436, 437.
bacillus, (34) 69. Spalangia—	332, 530; (38) 634; (39) 436, 437. yields, (28) 533.
muscae, notes, (29) 257.	Spenophorus callosus, notes, (33) 746. Spectyto cunicularia hypogaea, destruction o
muscidarum n.sp., description, (29) 359. muscidarum, studies, (30) 255, 856.	locusts by, (28) 351:

Spergula arvensis—	Sphaeropsis-Continued.
analyses, (31) 863.	m iloum-continued
as coffee substitute, (40) 508.	life history, (31) 446. notes, (27) 651; (28) 548; (29) 49, 748, 752; (31) 450; (34) 54, 247, 644; (35) 351; (39) 850. relation to apple collar rof, (34) 157. relation to apple rof, (33) 348
eradication, (31) 532. seed oil, notes, (36) 803.	450: (34) 54 947 644: (35) 351: (30) 950
Sperm—	relation to apple collar rot. (34) 157.
cells of fowls, vitality and activity of, (31) 474.	relation to apple rot, (33) 348, studies, (32) 750; (35) 151.
iso-agglutinins, production by ova, (29) 167.	studies, (32) 750; (35) 151.
oil, chemistry of, (35) 781. oil, hydrogenated, properties of, (34) 9.	summary of information, (40) 251.
Spermat ogenesis-	transmission by tree crickets. (34) 653.
in hybrids, studies, (27) 371.	treatment, (29) 49, 752; (30) 650.
in rabbits, (35) 167.	temperature relations, (36) 649. transmission by tree crickets, (34) 653. treatment, (29) 49, 752, (30) 650. necatrix, studies, (39) 859.
Spermatogonia, origin in male chick, (38) 173. Spermatovin, effect on female organism and ovum,	pseudodiplodia, notes, (27) 747; (37) 553. sp. on peaches, (33) 248.
(26) 877; (29) 167.	sp. on strawberries, (33) 744.
Spermatozoa-	spp. relation to citrus gummosis, (29) 217.
development outside the egg, (26) 877. duration after fecundation in pullets and ducks,	spp., studies, (28) 240.
(34) 864.	tumefaciens on limes, (34) 349. tumefaciens, studies, (27) 652.
morphological constituents, (30) 201.	Sphaeropyx bicolor, notes, (31) 355.
transportation, (29) 66.	Sphaerostilbe—
Spermatozoids, effect on the blastula, (29) 66. Spermophagus—	coccophila, description, (33) 459.
piurae n.sp., description, (32) 658.	coccophila, notes, (27) 358, 860; (28) 196, 453; (29)
subfasciatus, remedies, (40) 553.	852; (30) 455. flavida, notes, (39) 849.
Spermophiles, prevalence in Colorado, (28) 652; (30)	parasitic on scale insects, (30) 746.
249. Spermophilus citillus, notes, (28) 180.	repens, in Malaya, (38) 52.
Sphacelia—	repens, notes, (28) 241; (34) 57; (35) 251; (37) 349
scirpicola, notes, (29) 345.	(40) 53. repens on rubber, (33) 440.
sorghi, notes, (38) 848.	sp., notes, (26) 245; (28) 149; (31) 55.
Sphaceloma ampelinum— in America (36) 545	sp. on curus, (37) 452; (40) 155.
in America, (36) 545. treatment, (28) 649.	sp. on toa roots, (40) 48.
Sphacelotheca—	Sphaerotheca
cruenta and S. sorghi, confusion, (34) 444.	humuli—
reiliana on corn in Barbados, (33) 445, sorghi, inoculation experiments, (37) 749.	notes, (29) 547.
sorghi, notes, (29) 547; (32) 146, 240; (35) 44; (37)	resistance to fungicides, (38) 450.
452.	studies, (29) 346; (39) 147.
sorghi, studies, (38) 645; (39) 756. spp., notes, (27) 545.	mors-uvae
Sphaenoptera gemellata, notes, (27) 863.	in Italy, (33) 447. life history, (32) 547. notes, (26) 344; (27) 750; (28) 448, 650; (30 349, 845; (31) 545, 749; (33) 647, 846; (35) 650
Sphaenoptera gemellata, notes, (27) 863. Sphaeralcea lindheimeri, food plant of cotton boil	notes, (26) 344; (27) 750; (28) 448, 650; (30
Weevil, (31) 458.	349, 845; (31) 545, 749; (33) 647, 846; (35) 650
Sphaerella—	(37) 550. on currents (34) 648
caricae n.sp., studies, (29) 849. coffeicola, notes, (38) 51.	on currents, (34) 648, studies, (33) 347.
ACTIVATILE TATAS (VR) 58	treatment, (26) 345; (28) 349, 650; (29) 249 (30) 750; (31) 841, 843; (34) 843; (36) 751.
fragarine, treatment, (37) 246.	(30) 750; (31) 841, 843; (34) 843; (36) 751.
macularis, notes, (29) 51.	pannosa— control. (40) 751.
fragariae, treatment, (37) 246. heveae n.sp., notes, (39) 452. macularis, notes, (29) 51. maculaformis, studies, (28) 240. moricola, notes, (27) 547.	control, (40) 751. notes, (27) 850; (30) 537; (32) 749; (37) 453
moricola, notes, (27) 547.	839.
nigorristigma n.sp., description, (32) 844. opuntine, studies, (27) 352. relation to Ascochyta, (28) 849.	on raspberry, (34) 749.
relation to Ascochyta, (28) 849.	studies, (33) 347, 447, 854. treatment, (34) 442, 750. vars., ineculation experiments, (33) 647.
	vars., inoculation experiments, (33) 647.
rubina, studies, (33) 649.	spp., notes, (20) 450; (40) 53.
rubina, studies, (33) 649. sacchari, notes, (40) 157. sp. on chayote, (37) 755. spp., notes, (28) 845; (29) 345.	Sphaerulina— aucubae n.sp., description, (27) 149.
spn., notes, (28) 845; (29) 345.	suchumica n.sp., description, (35) 454.
tannen, notes, (26) 440.	taxi, notes, (26) 852.
tremulicola, notes, (29) 51.	Spliagnum— bogs, forest growth in, (37) 837.
Sphaeronema— fimbriatum—	moss, digestibility, (30) 568.
distribution and prevalence. (33) 743.	moss, temperature conditions in, (34) 715.
notes, (30) 150; (32) 343.	moss, use in preparation of bandages, (37) 736
studies, (34) 156; (39) 854; (40) 347.	peat, fertilizing value, (31) 826. peat, investigations, (28) 518.
treatment, (28) 849. oreophilum n.sp., notes, (37) 630.	relation to formation of upland moors, (29) 124
parasiticum n.sp., description, (30) 746.	turf, (ligestibility, (35) 474.
sp. affecting sugar cane, (31) 539.	turf, humus acids of, (27) 322.
fragariae n.sp., description, (36) 452.	Sphecoidea of Nebraska, (40) 553. Sphenophorus—
sp. on strawberries, (33) 744.	callosus, see Corn billbug.
Sphaerophoria cylindrica, notes, (36) 460.	discolor injurious to small grain, (30) 161.
Sphaeropsidales, light and pycnidia formation, (38)	maidis, life history, (35) 760.
225. Sphaeropsis—	nebulosus, notes, (33) 256. obscurus on sugar cane. (40) 57.
ellisii, notes, (30) 751.	obscurus on sugar cane, (40) 57. parvulus, notes, (26) 863; (29) 52, 252.
maculans, notes, (37) 748.	phoeniclensis, notes, (35) 657.
malorum—	SCUIDLINS, HOLES, (35) 55.
as antiqued by cold, (32) 000.	sordidus, see Cosmopolites sordidus.
as affected by cold, (34) 538. ascoganous form of, (30) 651. biological strains of, (31) 445. description, (29) 752; (30) 50, 650. discontention by trac originate, (35) 548.	phrvitis, 100es, (28) 865, (28) 86, 252. phoeniciensis, notes, (38) 667. sculptilis, notes, (38) 58. sericeus, notes, (28) 752; (30) 356. sordidus, see Osmopolites sordidus. sp., notes, (28) 354, 857. spp., control, (40) 665. spp., studies, (29) 56.
description, (29) 752; (30) 50, 650.	spp., control, (40) 055.
dissemination by tree circles, (60) 030.	spp., studies, (29) 56. venatus, notes, (26) 862.
effect on composition of apples, (38) 148.	· ownered troubed (no) cons

Sphenoptera—	
lineata geminata, notes, (26) 147.	ulmaria, notes, (27) 829.
lineata geminata, paper on, (27) 656. neglecta, notes, (27) 53.	vanhouttei, abnormal inflorescence, (39) 30. Spiranthes autumnalis, tuberization and root infes
Sphenosporea berveridis n.sp., from the Andes,	tation, (30) 29.
(40) 133. Sphenost ylis stenocarpa—	spirea—
agglutinating properties of seeds, (31) 774.	culture in Alaska, (29) 743. leaf roller, notes, (39) 361.
analyses and digestibility, (28) 164. Spher spp., bionomics, (35) 468.	Spirifiaceae, genera, (39) 828.
Sphingidae-	Spirillosis— equine, in Morocco, (36) 483.
key, (26) 860	in fowls, (31) 284; (36) 782.
phylogeny, (32) 850. Sphinx, white-lined morning, notes, (28) 654.	Spirillum— minor relation to Spirochaeta morsus-muris
Sphyrapicus spp, relation to trees and wood	minor, relation to Spirochaeta morsus-muris, (40) 781.
products, (26) 58. Spicaria—	rubrum, studies, (33) 178.
bassiana, notes, (27) 56.	tyrogenum, studies, (33) 178. Spirits, bibliography, (31) 339.
colorans, notes, (29) 547. colorans, studies, (27) 751; (33) 549.	Spiropolus marginatus, life history, (34) 364.
farinosa, notes, (28) 559. solani, notes, (34) 443.	anserina, longevity in fowl tick, (31) 586.
solani, notes, (34) 443. verticillioides n.sp., notes, (27) 56.	anserina, relation to spirochetosis in fowls,
verticillioides, notes, (28) 559.	(26) 684. duttoni, filterability, (31) 81.
Spices—	elusa n.sp , studies, (31) 81.
adulteration, (32) 161. culture experiments, (38) 845.	equi, notes, (28) 184. gallinarum, cultivation, (28) 282; (29) 588.
culture in Dutch East Indies, (30) 697; (34) 345.	gallinarum, transmission by mites, (32) 279.
culture in Philippines, (34) 635. effect on hippuric acid excretion, (28) 261.	hebdomadis n.sp., studies, (40) 85. hyos, antigenic value in hog-cholera serum tests,
effect on microorganisms, (35) 557.	(35) 784.
examination, (26) 110, 867; (40) 115, 204, 205.	hyos, inoculation experiments, (33) 879. hyos, relation to hog cholera, (36) 384.
germicidal effect, (36) 863. Gloeosporium disease of, (31) 844.	icterohaemorrhagiae—
handbook, (27) 242; (34) 166.	dissemination by rats, (38) 653, 760. in rats, (37) 577; (39) 759.
methods of analysis, (32) 109.	in United States, (39) 890.
preservative value, (38) 469. purin content, (40) 205.	studies, (39) 889.
use as preservatives, (26) 157. value in the diet, (29) 664.	moisus muris n.sp., cause of rat-bite fever, (37) 375.
Spider mite, see Red spider.	recurrens, lice as hosts, (40) 551.
Spiders—	regaudi n.sp., description, (26) 588. spp., life histories, (26) 460.
habits, (35) 356. hibernating in Spanish moss. (28) 654.	spp., life histories, (26) 460. suis, studies, (29) 682; (30) 383; (32) 378.
hibernating in Spanish moss, (28) 654. injurious to bees, (31) 159.	theileri— in cattle in Panama, (39) 84.
manual, (28) 257. natural enemies of, (29) 262.	in United States, (35) 385.
silk of, (31) 452.	relation to anaplasmosis, (29) 584. Spirochetae, photomicrographs of, (29) 478.
summary of information, (39) 768. toxins of, (37) 461.	Spirochete-
transcanadian, (40) 648. Spiderwort, notes, (29) 441.	infection in man, notes, (27) 680. infection, inheritance in Argas persicus, (27) 84.
Spiderwort, notes, (29) 441. Spilochaetosoma californica n.g. and n.sp., descrip-	of rat-bite fever, (40) 781.
tion, (40) 653.	Spirochetes— culture, (31) 81.
Spilocryptus polychrosidis n.sp., description, (38)	distribution and morphology in tieks, (31) 31.
565. Spinach	filterability and biology, (32) 579. In digestive tract of swine, (37) 279.
Algerian, culture experiments, (30) 632.	in hog cholera, (30) 585.
aphis, relation to blight, (39) 551.	in papillomatous neoplasma in horses, (34) 280.
as affected by radioactive substances, (32) 34. ash absorption from concentrated soil solutions,	notes, (27) 181; (29) 563; (31) 81. of carcinomas in man and animals, (26) 581.
(40) 502.	studies. (27) 780; (33) 178; (39) 190.
blight, studies, (39) 550; (40) 450, 648. canned, tin content, (28) 564.	transmission, (30) 578. transmission by stable flies, (26) 150; (28) 756.
carrion beetle, studies, (37) 261.	Spirochetosis-
culture, (26) 393, 539; (40) 833. culture experiments, (32) 635; (33) 43.	equine, bibliography, (28) 184. in fowls, (26) 684; (29) 588; (31) 383, 485, 586, 782. in fowls, treatise, (27) 385.
disease, new, description, (26) 55.	in fowls, treatise, (27) 385.
disease, notes, (30) 847. fertilizer experiments, (28) 735; (32) 540; (34) 532.	in Sudanese fowls, (30) 679. résumé, (29) 883.
finger-and-toe disease of. (31) 149.	treatment, (29) 484; (31) 284.
fiea beetle, notes, (29) 456, 761. fungus disease of, (32) 147. growth in partially sterilized soils, (26) 815.	Spirogyra— as affected by—
growth in partially sterilized soils, (26) 815.	anesthetics, (26) 824.
insects affecting, (29) 556.	colloidal metals, (31) 129. copper sulphate, (39) 27.
insects affecting, (29) 556. losses in cooking, (28) 460. maggot, notes, (28) 752.	formaldehyde, (26) 731.
midew, treatment, (26) 440.	various salts, (38) 27. cultures, nutrient solution for, (31) 32.
mulching v. clean culture, (33) 534. physiological studies, (40) 450.	inflata, variability in zygospores, (34) 370.
physiological studies, (40) 450. purin content, (40) 205.	maxima, tannin in, (34) 825.
seeds, large v. small, (31) 634.	resistance to fungi, (38) 350. Spiroptera—
rust, investigations, (26) 548. seeds, large v. small, (31) 634. value in the diet, (39) 872, 876. ravieties (32) 635. (33) 43	megastoma, injurious to horses, (26) 384.
varieties, (32) 635; (33) 43. vitamin content, (40) 564.	megastoma, splenic abscess due to, (37) 182. n.sp., affecting rats, (30) 279.
Spintherus pulchripennis n.sp., description, (30) 59.	n.sp., relation to cancer in rats, (32) 303.
Spinus pinus, destruction of grain aphids by, (29) 452.	reticulata in imported meat, (27) 83. sanguinolenta, notes, (28) 759.
	· · · · · · · · · · · · · · · · ·

Spiroptera—Continued.	Sporotrichum-
spp, physiological investigations, (31) 679.	globuliferum—
strongylina, notes, (28) 285.	affecting alfalfa weevil, (36) 58. investigations, (26) 454.
Spittle insects— injurious to grass, (36) 856.	notes, (28) 354; (30) 459, 547; (31) 251; (32)
notes, (30) 655.	448: (37) 461
Spizella—	on cacao thrips, (38) 57; (39) 158. on chinch-bug, (20) 348.
nonticola, correct name for tree sparrow, (40)	pone, notes, (28) 750; (30) 542.
pusilla, coccidiosis in, (26) 187.	sp., notes, (27) 860.
spp., destruction of grain aphids by, (29) 452.	Spotted fever—
en— influence in nutrition, (32) 562.	immunization, (35) 881. Rocky Mountain—
rôle in digestion, (31) 361.	control, (27) 52.
rôle in formation of immune bodies, (26) 277.	control, (27) 52. etiology, (36) 576, 577.
Splenetic fever, transmission by ticks, (28) 758. Splenic abscess as a secondary infection in horses,	in Camornia, (38) 481.
(37) 182.	in rabbits, (40) 781. notes, (30) 760.
Splenitis in pigs, (33) 774.	relation to tick control, (26) 63.
Splenomegaly, primary, in sheep, (27) 186.	sertim for, (26) 378.
Splices— directions and illustrations, (27) 96.	studies, (27) 479, 866; (31) 160; (36) 158; (37) 560.
methods of making, (29) 390.	therapy, (27) 578.
Spedipogon lacel n.sp., description, (33) 527.	tick, Rocky Mountain, see Dermacentor venus-
Spodoptera mauritia, notes, (27) 155, 656; (29) 456; (38) 257.	tus. Spray—
Spogostylum anale, life history, (29) 456.	gun for orchards, (40) 639.
Spondias cythereae, asexual propagation, (32) 142.	injury and its prevention, (34) 154.
Spondylocladium—	injury, paper on, (28) 48. nozzle—
atrovirens, notes, (32) 50, 239, 443, 547, 643; (34) 443; (37) 350, 551; (38) 753. atrovirens, studies, (29) 347; (35) 455; (36) 544.	coarse v. mist. (28) 341.
atrovirens, studies, (29) 347; (35) 455; (36) 544.	description, (30) 651; (35) 88; (39) 541.
maculans, n.sp., relation to rupper spotting,	for large trees, (26) 49; (40) 154.
(29) 451. sp., notes, (28) 241.	coarse v. mist, (28) 341. description, (30) 651; (35) 88; (39) 541. for large trees, (26) 49; (40) 154. new type, (26) 599. nozzles and hose, (39) 250.
Sponge-	110221(5, 10515, (20) 040.
coarse, analyses, (37) 814.	Spraying—see also special crops.
loggerhead, fertilizer from, (31) 622. Sponges—	apparatus— description, (26) 848, 893; (27) 61, 485, 792;
analyses, (30) 520. fertilizing value, (30) 519.	(39) 843
fertilizing value, (30) 519.	notes, (28) 148; (29) 640; (33) 97.
on plant roots (36) 146	portable, for cattle, (28) 181.
Spongospora— on plant roots, (36) 146. scables, notes, (30) 847; (32) 544; (33) 849. scables, occurrence in Scotland, (26) 748.	notes, (28) 148; (29) 640; (33) 97. portable, for cattle, (28) 181. tests, (26) 893; (27) 792, 855. arsenical residues after, (38) 54.
scables, occurrence in Scotland, (26) 748.	as a cause of apple bitter pit, (20) 55. calendar, (28) 539; (27) 845; (28) 47, 48, 492, 642, 841; (29) 42; (30) 534, 642; (31) 635; (32) 637, 834; (33) 47, 141, 538, 639; (35) 234; (36) 744; (38) 848; (39) 149, 242, 345; (40) 742.
solani, notes, (31) 243; (32) 546; (34) 241. solani, occurrence in Maine, (29) 550.	calendar, (26) 539; (27) 845; (28) 47, 48, 492, 642,
solani, studies, (26) 547.	834: (33) 47, 141, 538, 639: (35) 234: (36) 744: (38)
617 ht Area 7100	843; (39) 149, 242, 345; (40) 742.
description, (31) 149.	caigndar—
life history. (33) 346.	for Georgia, (33) 439. for grapes, (40) 342.
description, (31) 149. in Oregon, (33) 850. life history, (33) 846. native habitat, (34) 645. notes, (27) 446; (29) 448; (31) 243, 842; (32) 239; (37) 350, 652, 753; (40) 48, 847. studies, (34) 443; (36) 249, 847.	for orchards, (32) 637,
notes, (27) 446; (29) 448; (31) 243, 842; (32)	citrus trees in Florida, (39) 160. cooperation in, (32) 637.
studies, (34) 443; (36) 249, 847.	cost, (36) 55, 535.
Spontaneous compustion as a cause of fires, (37) 788.	effect on yield of apple orchards, (26) 541.
Spore plants, treatise, (33) 429.	experiments, (27) 143; (28) 142, 148, 436; (29)
spores— antibodies of, (36) 380.	145, 262, 354, 640; (30) 344; (31) 151, 335; (37) 447; (38) 551, 640.
cnidesporidian, filament extrusion, (40) 255.	experiments in Nova Scotia, (38) 156
method of picking up, (31) 746.	experiments in Virginia, (26) 48.
argutus, analyses, (31) 863.	foliage-lifting apparatus for, (39) 762. for fungus diseases, (40) 746.
depauperatus, analyses, (29) 270.	formulas for gardens, (39) 140, 656; (40) 638.
indicus, notes, (26) 362.	formillas for orchards, (39) 762
phleoides, notes and analyses, (37) 533. spp., analyses, (36) 334.	handbook (38) 40: (39) 140
spp., analyses and digestibility, (27) 871; (32) 167.	fruit trees, (30) 39, 140. handbook, (38) 40; (39) 140. in Nova Scotia, (36) 535.
spp., studies, (38) 66.	injuries to blooms and newly set fruit of grapes,
Sporodesmium— fumagineum n.sp., notes, (37) 630.	(31) 534. injury to foliage, (40) 449.
nutrefaciens, description and treatment, (28)	liquids, promoting adherence in, (30) 248.
847.	liquids, wetting power of, (35) 356.
putrefacions, notes, (28) 649; (30) 47; (33) 851; (35) 245.	machine, description, (31) 439. machinery—
solani varians, notes. (36) 541.	accessories, (29) 87, 353.
sp., notes, (31) 539.	notes, (26) 48, 539; (28) 291, 450; (29) 593;
Sporonema oxycocci, treatment, (39) 749. Sporothrix—	machinery— accessories, (29) 87, 353. notes, (26) 48, 539; (28) 291, 450; (29) 593; (33) 735; (35) 141. tests, (29) 292. Healthes motor power specifications (31) 92.
schenckii, penetration of gastro-intestinal wall by, (36) 379.	machines, motor power, specifications, (31) 92.
by, (36) 379.	mixtures—
schenckii-beurmanni, studies, (34) 384. Sporotrichoses, treatise, (31) 81.	acid, in relation to scorching, (35) 651.
Sporotrichosis—	adherent, notes, (29) 554. composition and merits, (35) 46.
equine, in Montana, (37) 82.	enect on germination of grape polici, (29)
following mouse bite, (40) 180. notes, (27) 884.	839.
of animals, (30) 282; (32) 271.	effect on insect eggs, (32) 449. for stone fruits, (35) 143.
LA TE ANTE AND AND T	hot, use, (35) 352, 353.

Spraying—Continued.	Spruce—Continued.
mixtures—continued.	Norway—Continued.
increasing adhesiveness of, (28) 154.	drought resistance, (38) 44.
preparation, (27) 357; (32) 637; (33) 47.	fissures in, (29) 240. weevil injury, (39) 159.
notes, (32) 633; (35) 356. preparation, (27) 357; (32) 637; (33) 47. preparation and use, (33) 538, 735.	or modely mountains, (34) 142.
preparation with hard soap, (39) 59. spreading capacity and adherence, (30) 153;	red, growth and management, (38) 146. red, reproduction, (38) 45.
(32) 243.	regeneration in high altitudes, (26) 443.
toxic effect on grape pollen, (33) 539.	reproduction, (39) 145.
141, 533: (32) 743, 744, 751: (34) 436, 548: (35)	rust diseases, studies, (35) 155. rust, new, (39) 254.
notes, (28) 238; (29) 146, 436, 640; (30) 344; (31) 141, 533; (32) 743, 744, 751; (34) 436, 548; (35) 36, 94, 141, 156, 445, 838; (37) 96, 143, 453, 544,	sawfly, notes, (38) 257.
099, 744; (38) 439, 341, 790, 835; (40) 230.	scale, studies, (37) 662.
penetration method for codling moth, (31) 439. penetration system, (28) 787.	- seeding habits, (37) 45.
recent developments in, (39) 548.	absorption of fertilizers by, (26) 443.
recent developments in, (39) 548. relation to beckeeping, (35) 662.	as affected by shade and moisture. (39) 751
service in New York, Ningara Co., (39) 645.	fertilizer experiments, (32) 47. seeds, germination tests, (27) 444.
relation to flowering in grapes, (33) 448. service in New York, Niagara Co., (39) 645. Sprays—see also Insecticides, Fungicides, and specific kinds.	selection experiments in Austria, (38) 545.
specific kinds. acid and alkaline, comparison, (38) 756.	Sitka, rots of, (40) 349.
carriers and diluents for, (38) 459.	stands, effect on soil physics, (26) 140. stands, light measurements in, (26) 745.
combination, review of investigations, (31) 848.	sulphite pulp from, (38) 809.
copper, see Copper.	thinning experiments, (35) 241. timber estimating tables for, (30) 345.
double purpose, (38) 258. dust v. 51 304 (32) 550, 836; (37) 832; (38) 42,	turpentine, toluol from, (39) 209.
340, 331, 543, 544.	unit stresses for, (36) 91.
dust v. liquid, for apples, (31) 449; (37) 242. effect on transpiration of potatoes, (31) 825.	volume and value accretion in, (29) 747. white, in Minnesota, (38) 146.
oil-lme-sulphur, (40) 453, 454.	wood coloring in, (27) 527.
oll-lme-sulphur, (40) 453, 454, preparation, (39) 345; (40) 801, 843, preparation and use, (26) 539.	wood coloring in, (27) 527. wood, ethereal oils of, (29) 504.
repellent, effect on bees, (37) 855.	wood, investigations, (28) 642. wood, production of turpentine from, (26) 413.
sulphur, preparation and use, (40) 59.	yield as affected by early thinning, (31) 444.
Spring grass, analyses, (27) 469. Spring of 1917, (37) 808.	yield tables, (27) 348. Sprue, review of investigations, (36) 363.
Springs— (37) 808.	Spumaria alba, notes, (27) 649.
and ground water, textbook, (29) 15.	Spurry—
in California, (32) 587.	as affected by liming, (39) 117.
mineral, of Alaska, (38) 690. radioactivity, (35) 618.	as coffee substitute, (40) 508. Sputum—
relation to public health, (29) 512.	gathering from bovines, (27) 382.
Springtails—	organisms, fragmentary, (31) 380. tuberculous, bacilli in, (31) 380.
injurious to truck crops, (32) 353. notes, (27) 656.	tuberculous, chemical properties, (29) 732.
Sprocket wheel design, standardization, (36) 400.	Squabs—
accretion in lower part of stems, (31) 538.	national standard, (30) 175. raising, (33) 872; (40) 280.
aphid, notes, (27) 255; (32) 448; (33) 253.	raising and marketing, (37) 775.
aphid, outbreak in England and Ireland, (29)	Squalls, paper on, (31) 213.
757. aphis, green, notes, (32) 57.	borer, notes, (39) 765.
as affected by origin of seed, (29) 841.	borer, remedies, (37) 254. capsid, notes, (29) 453.
bark, use for paper specialties, (36) 417.	capsid, notes, (29) 453.
Engelmann, notes, (26) 561.	disease, studies, (30) 848. lady beetle, see Epilachna borealis. leaf spot in Indiana, (39) 52.
Engelmann, notes, (26) 561. European, life history and habits, (37) 765. bud moth, notes, (26) 753; (28) 554; (30) 655; (34)	leaf spot in Indiana, (39) 52.
bud moth, notes, (26) 753; (28) 554; (30) 655; (34)	mosaic, notes, (39) 853.
752. bud scale, notes, (33) 253; (34) 752.	sclerotinia diseases, (40) 49. seed cake, digestibility, (28) 464.
bud scale, studies, (37) 662.	seeds, large v. small, (31) 634.
in New Brunswick, (39) 866.	secds, oil from, (39) 9. vine borer, studies, (33) 255.
notes, (29) 252; (32) 448.	Squashes—
studies, (29) 255.	asexual reproduction of seeds, (31) 533.
Canadian volume tables, (26) 443. Chermes, studies, (40) 262.	breeding evperiments, (26) 838; (37) 240. calcium content, (39) 747.
cones, insects affecting, (40) 163, 164.	Culture, (20) 539.
diseases in southern Appalachians, (31) 646. Douglas, die-back disease of, (30) 751.	culture experiments, (32) 132; (37) 742.
effect of early thinnings on stands, (29) 240.	effect on following crop, (38) 337; (40) 135, 623. fertilizer experiments, (37) 742.
Engelmann—	iruit tunning experiments, (21) 141.
and alpine fir, management, (33) 739.	Hubbard— breeding and marketing, (29) 830.
for telephone poles, (30) 843. volume tables for, (34) 641.	breeding and marketing, (29) 830. selection experiments, (40) 740.
fungus disease affecting, (26) 451.	inheritance in, (27) 740; (39) 747. mulching v. clean culture, (33) 534.
gall aphid, notes, (26) 146; (28) 353; (37) 255. grinding for mechanical pulp, (29) 614.	use by prehistoric Americans, (38) 167.
growing with blue and beech, (27) 542.	water requirement, (32) 127.
growth after thinning, (38) 45. growth and yield in high mountains, (34) 347.	Squatarola squatarola cynosurae near Washington, (40) 161.
insects affecting, (31) 155.	Squeezer for cattle, description, (26) 385.
leaf miners, notes, (29) 256.	Squirrel-tail grass
management in Saxony, (29) 342. natural and artificial regeneration, (31) 537.	geographical distribution, (26) 334. in Iowa, (39) 842.
natural distribution of, (31) 444.	Squirrels—
Norway— absolute form quotient, (39) 247.	care and feeding, (28) 173. conifers damaged by, (26) 552,

52831—26†——36

Carrimole - Continued	Stagonospora—
Squirrels—Continued. destruction of conifer seed by, (31) 154.	basellae a sp , studies, (31) 56.
eradicution, (39) 860.	cassavae n.sp., description, (33) 647.
flying, American, (39) 460. flying, new genus and races of, (34) 550.	convolvuli n.sp., description (37) 748. Stags, breeding for homs, (33) 173.
ground—	Staining of microfilmiae, (31) 383.
bionomies, (27) 550. control, (29) 651; (38) 456; (39) 153, 460; (40)	Staining of yeasts, (31) 478 Stains, removal from textiles, (38) 114.
350.	Stains, use in study of bacteria, (29) 630.
control in Colorado, (28) 450; (37) 558.	Stalk bore: – notes, (26) 59; (29) 252; (33) 58; (39) 358,
destruction, (28) 248; (32) 648; (33) 552. immunity to spotted fever, (31) 160.	summary of information, (39) 765.
in Colorado, (28) 652; (34) 651.	Stallion—
life history and control, (35) 755. new microfilm a from, (26) 653.	enrollment law in Indiana, (32) 771. law in Kansas, (27) 279.
new race from Wyoming, (37) 758.	law in New Jersey, (27) 373.
notes, (28) 450; (30) 249; (34) 753. plague-like disease affecting, (26) 461.	law in Ontario, (30) 872. law in Wisconsin, (30) 470.
relation to plague, (26) 245.	registration law in Kansas, (28) 494; (39) 376
relation to Rocky Mountain spotted fever, (27) 479.	Stallions— advertising in Indiana, (31) 75.
tuherculosis in, (26) 484.	Asben, from Sudan, (27) 674.
host of spotted fever tick, (26) 64. St. Augustine grass, notes, (26) 362.	breeding, (29) 370. care and management, (29) 873.
St. John's—	castration, (27) 171.
bread, digestibility, (28) 464.	certification in Victoria, (29) 471.
wort, poisoning of horses by, (32) 278. wort, toxic effect on pigs. (38) 589.	cooperative purchase and use in Denamrk, (70) 296.
wort, toxic effect on pigs, (38) 589. St. Paul, Minn., as an agricultural and financial	distribution, (32) 171; (35) 377. distribution in Wisconsin, (30) 170.
center, (36) 494. Stable	distribution in Wisconsin, (30) 170.
air as source of bacteria in milk, (34) 183, 473.	in Indiana, (35) 673; (37) 169; (39) 73. Kansas, (29) 873; (37) 270, 868; (39) 376; (40)
fly—	472.
as affecting milk production, (40) 648. distance of flight over water, (30) 159.	Oklahomu, (37) 169; (10) 76. Utah. (37) 681; (39) 73; (40) 473.
feeding habits, (33) 561.	Utah, (37) (81; (30) 73; (40) 473. Wisconsin, (34) 469; (36) 472. legislation in United States, (37) 572.
geographical distribution, (80) 457.	legislation in United States, (37) 572.
larvae, parasito of, (30) 553. notes, (20) 147, 781; (27) 785; (29) 159, 256, 353, 454, 457, 559, 780; (32) 555; (37) 156.	licensed, distribution, (20) 168; (28) 269. licensed in Utah, (31) 471. public service, in Wisconsin, (38) 275.
353, 454, 457, 559, 760; (32) 555; (37) 156. original habitat, (33) 256.	
outbreak in South Africa, (30) 160.	registration in Canada and United States, (30) 872.
parasite of, (29) 359. fly, relation to—	
anthrax, (30) 780; (31) 776.	registration in Victoria, (27) 471. Standard—
anthrax and streptococci, (32) 552.	Container Act, (38) 40.
diseases, (29) 760. filaria in horses, (34) 359.	packages and uniform grades, (40) 293. Staphylea—
leprosy, (31) 851.	effect of seed on size of fruit, (27) 231, 524.
mal de caderas, (30) 785. pellagra, (29) 756.	fiult, physico-chemical constants of, (31) 427. Staphylinidae, catalogue, (26) 560.
pellagia, (29) 756. plague, (33) 456.	Staphylococcus—
planue-like disease of rodents, (34) 355. pollomyelitis, (20) 554; (28) 160, 161, 560; (29) 388, 559, 560; (35) 55, 280. surra. (29) 760.	albus in udder of healthy cows, (32) 872. liquefaciens aurantiacus n.sp., description, (26)
(29) 358, 559, 560; (35) 55, 280.	581.
surra. (29) 760. swamp fever, (32) 754; (37) 374; (38) 788;	pyogenes albus, notes, (26) 880. pyogenes aureus—
(39) 162.	as affected by serums and leucocytes, (26)
fly— remedies, (31) 158.	175. destruction by periodol, (39) 80.
repellents for, (38) 358. rôle in disease transmission, (26) 150.	lipase of, (29) 177.
rôle in disease transmission, (26) 150.	pyogenes—
studies, (29) 559; (37) 665. manure, see Manure.	invading Cryptococcus farcininosus lesions, (40) 680.
Stables—	occurrence in sugar, (26) 505.
arrangement, (32) 86. construction, (27) 793. descriptions, (28) 86.	vaccine, tests, (34) 580. Star apples, cold storage of, (32) 439.
descriptions, (28) 86.	Star scale, destruction by mites, (26) 553
disinfection, (20) 578; (39) 488. open v. closed, for dairy animals, (30) 676.	starch— and diastase of plant tissues, relationship, (28)
use of peat in. (39) 425.	729.
ventilation, (30) 691. Stachydrin, isolation from—	and skim milk for calves, (36) 370. as affected by—
alfalfa hay, (37) 309; (39) 610.	alkalis, (35) 502.
stachys tubers and citrus leaves, (26) 107. Stachylidium theobromae n.sp., description, (37)	hydrolyzing agents, (26) 107. removal of ash and solution, (35) 502.
755.	saliva, (26) 872.
Stachyose— decomposition (26) 210	as binder for ice cream, (36) 78. as substrate for enzym action, (36) 315.
decomposition, (26) 310. in legumes, (28) 761; (31) 13.	chemical constitution, (36) 710.
Stachys	charminture of (99) 719
silvatica, betains in, (28) 312. spp., betains in, (27) 204.	congestion during retarded plant growth, (35) 523.
tuberifera as affected by copper fungicides. (28)	content of cassava roots, (30) 502.
247. tuberifera, isolation of stachydrin from, (26) 107.	crude, determination in cocoa, (32) 298. determination. (26) 804: (27) 497: (29) 716: (32)
Stagger grass, stock poisoning by, (39) 886.	determination, (26) 804; (27) 497; (29) 716; (32) 109; (40) 114, 204, 312.
in horses, cattle, and mules, (28) 378.	determination-
in sheep in Patagonia, (39) 85.	in bologna, (28) 807. brewers' grains, (26) 807.
notes, (40) 86.	feeding stuffs, (28) 715.

Ct Continued	a a
Starch—Continued.	Starch—Continued.
determination—continued. in food products, (27) 807.	of grain sorghums, (35) 108, 616. green leaves, (35) 131. parent stock and hybrids, (36) 222.
ment and fish products (29) 798	nerent stock and hubrids (36) 222
meat products, (27) 499; (28) 358.	origin and significance. (28) 201.
mixtures, (30) 415.	origin and significance, (28) 201. phosphoric acid in, (34) 710; (36) 501.
plants, (32) 807; (35) 206.	phosphorus content, (33) 203.
meat and fish products, (29) 798. meat products, (27) 499; (28) 358. mixtures, (30) 415. plants, (32) 807; (35) 206. potatoes, (30) 205; (32) 114; (34) 506, 713.	phosphorus content, (33) 203. polysaccharids from, (30) 803.
rye and wheat nours, (ar) 809.	products, composition and use, (29) 460.
sugar products, etc., (31) 412.	products, examination, (34) 11.
wheat, (28) 836. wcod, (20) 202.	reserve in birch and maple, (33) 523. saccharification, (26) 309; (28) 19, 504, 609.
Lintner's polarimetric method, (28) 313.	sirups, determination in fruit products, (26) 115
of gelatinizing temperature, (35) 616; (37)	208.
410.	soluble—
digestibility in mixed rations, (34) 169.	determination, (40) 312.
digestion by young calves, (38) 874.	investigations, (35) 502.
digestion in germinating peas, (28) 127.	preparation, (40) 312.
distillation in vacuo, (38) 708. distillation under reduced pressure, (40) 110.	solutions, diastatic action, (36) 329.
effect on—	solutions, stability, (35) 501.
ammonification, (28) 718.	specificity and complexity, (35) 468. studies, (31) 828.
bacterial flora of soils, (28) 815.	sugar, treatise, (32) 109.
baking qualities of flour, (30) 556.	transformation in potato leaves and stalks, (36)
geotropism in 100ts, (29) 322.	126.
infant digestion, (33) 663.	treatise, (31) 804.
nitrification in soils, (28) 218. nitrogen fixation, (28) 816.	use as food, (28) 460.
nutritive value of proteins, (40) 562.	use in canned corn, (32) 161; (35) 765.
oridation of sulphur in soils, (30) 222.	use in 1000 products, (34) 107.
peptic digestion, (34) 862.	use in food products, (34) 107. use in infant foods, (38) 359. values in cattle feeding, (33) 673. variation in leaves, (29) 827. Starches foreign effort on quality of doubt. (26) 751.
peptic digestion, (34) 862. soil acidity, (37) 23.	variation in leaves, (29) 827.
sou nitrogen, (35) 218.	Starches, foreign, effect on quality of dough, (26) 761.
soil phosphates, (34) 421.	Starchy feeds, fortified, analyses, (26) 665.
toxicity of nitrates, (30) 227. claboration in Iris germanica, (34) 524.	Starfish—
energy values, (40) 365.	analyses, (38) 626.
equivalent theory in feeding standards, (33)	analyses and fertilizing value, (30) 520.
870.	ground, fertilizing value, (40) 125.
equivalents of feeding stuffs, (26) 467.	Starlings-
extraction from potatoes, (28) 208.	at Springfield, Massachusetts, (26) 855.
factory refuse— composition and digestibility, (27) 669.	feeding habits, (27) 550; (28) 450. in Pennsylvania, Chester Co., (27) 254.
drying, (27) 669.	notes, (27) 355.
fertilizing value, (20) 129.	Starters—
factory waste waters, studies, (26) 528.	lactic, tests, (35) 176.
feeding during inantion, (26) 465. ferments as affected by salts, (27) 109.	propagation in dairies, (26) 478. use in butter making, (32) 370.
formation—	Starvation—
and decomposition, (31) 128.	effect on catalase content of tissues, (38) 809.
in immature seeds, (33) 523.	effect on creatin content of muscles, (30) fis.
plants, (27) 133; (28) 524; (34) 627.	effect on creatin content of muscles, (30) 65. studies, (35) 4-6; (37) 64, 365.
sweet potatoes, (27) 435.	Stasisia rodnaini, notes, (36) 359.
and decomposition, (31) 128. in immature seeds, (33) 523. plants, (27) 133; (28) 524; (34) 627. sweet potatoes, (27) 435. trees, (27) 828.	State departments of agriculture, functions of, (34)
underground portions of herbaceous	699. State universities and agricultural colleges, dupli-
plants, (35) 131. from different plants, physical qualities, (33)	cationin, (33) 194.
426.	Statenchyma, notes, (36) 730.
from flowering tubers, (39) 510.	States Relations Service, see United States Depart
from frosted and decayed potatoes, (39) 802.	ment of Agriculture.
gelatinization, (30) 461. grains—	Statistical— constants, estimating probable significance of
cleavage in, (37) 410.	(31) 130.
movements in cells. (27) 426.	error, tables of, (26) 773.
structure, (28) 525. studies, (29) 409.	theories for meteorology and agriculture, (36)
studies, (29) 409.	419.
granules	theory, notes, (32) 665.
gelatinization point, (30) 10. methods of examining, (26) 24.	Statisticians, tables for, (32) 362. Statistics—see also Agricultural statistics.
swelling in presence of crystalloids, (30) 111.	method of calculating frequencies, (27) 275.
swelling in presence of crystalloids, (30) 111. history of, (26) 106.	Statoliths-
humification, (34) 516; (38) 26.	in root tips, (36) 330.
hydrolysis—	nature and distribution in plants, (36) 729.
by diastase, (28) 407.	Stature, inheritance of, (40) 275.
by malt amylase, (37) 613. erythrodextrin in, (40) 460.	Stauronotus maroceanus— coccobacillus of, (31) 753.
identification, (32) 559.	control in Algeria, (36) 356.
in assimilating organs of Leguminosae, (30) 227.	control in Stavropol, (30) 754. destruction by Coccobacillus acridiorum, (33)
in bananas dried at different temperatures, (35)	
633.	154.
industry in Germany, (29) 209; (32) 23, 315. industry in United States, (30) 711, 791.	notes, (27) 757; (31) 850. remedies, (33) 653.
liquefaction in presence of salts. (35) 556.	Stauropus alternus, notes, (30) 753.
liquefying and saccharifying power of, separa-	Steak, hamburger, analyses, (31) 854.
tion, (31) 609.	Steam—
manufacture, handbook, (27) 15. methods of analysis, (27) 205; (30) 813; (31) 806;	effect on soil organisms, (38) 420. effect on soils, (28) 123.
methods of analysis, (27) 205; (30) 813; (31) 800; (32) 505.	exhaust, utilization, (28) 892.
microscopy of, (32) 715.	pipe systems, installation in dairies. (29) 893.
of glutinous rice, notes, (27) 765.	plowing in Bombay Presidency, (29) 592.

```
Steganosporium kosaroffii n.sp., description, (35)
 Steam-Continued.
                       power v. electricity for filling silos, (32) 590.
power v. electricity for filling silos, (32) 590. ships, sanitation, (38) 663. use in dairies, (27) 690. use on farms, (27) 484. v. electricity for threshing, (28) 685; (30) 590. v. electricity in drainage pumping, (31) 890. Steapsin, properties, (32) 859. Stearie acid—

detection in a byl elechol. (20) 312
                                                                                                                                                                                                                                                                                                                                  Stegomyia-
                                                                                                                                                                                                                                                                                                                                                       calopus, see Aodes argenteus.
fasciata, see Argenteus.
scutellaris, notes, (28) 188.
scutellaris, rôle of blood in reproduction of, (38)
                                                                                                                                                                                                                                                                                                                                  Steirastoma depressum, notes, (27) 857.
                         detection in ethyl alcohol, (29) 312.
                                                                                                                                                                                                                                                                                                                                 intermedia, eradication, (31) 739.
modia, analyses and feeding value, (33) 70.
Stem borer, Dura, notes, (27) 53.
Stem diseases, relation to soils, (28) 646.
Stemmatosteres apterus n.g. and n. sp., description,
 determination, (31) 508.
determination in butter fat, (35) 111.
salts, solubility, (35) 416.
Stearin of wool fat, investigations, (26) 612.
Stearnis—
determination, (35) 615.
in fats and their behavior during hydrogenation, (35) 9.
separation from fats, (33) 612.
Steechernum septentrionale, notes, (28) 56.
Steel pulleys, (ests, (28) 590.
Steel, welding, (20) 593.
                                                                                                                                                                                                                                                                                                                               cucurbitacearum n.sp., description, (39) 355.
sp. on cucumber, (39) 52.
Stenares n. sp., notes, (31) 357.
Stenichneumon trilineatus, protozoan parasites of, (30) 857.
                                                                                                                                                                                                                                                                                                                              (30) 857.
Stonobothrus curtipennis, notes, (28) 50.
Stenocranophilus quadratus n.g. and n.sp., description, (32) 551.
Stenocranus saccharivorus, notes, (38) 459.
Stenoma albolla, notes, (26) 147; (30) 657.
Stenomacra sp., parasites of, (29) 358.
Stenomesioidea, new genus, (39) 468.
Stenopelinatus sp. injurious to potatoes, (37) 157.
Stenopeon picticornis, predaccous on alfalfa caterpillar, (32) 58.
Stenoptycha pfinicolana on larches, (34) (3.
Stenotaphrum americanum, notes, (26) 362.
Stenothrips graninum, notes, (28) 452.
Stephantis—
                       grand champion, feeding, (27) 97.
manure, analyses, (39) 217.
                    manure, analyses, (30) 217.

ers—see also Cattle.
alfalfa slage for, (32) 769.
beet v. dairy type, (38) 667.
body measurements, (38) 69.
bolly refuse for, (40) 366.
breeding, effect on gains, (29) 667; (31) 469.
composition at various stages of growth, (31) 168; (32) 99.
composition of blood, (27) 499.
concentrates for, in the South, (40) 873.
cottonseed hulls for, (39) 272.
cottonseed meal for, (29) 77.
cull beans for, (40) 768.
digestion experiments, (29) 366; (32) 69, 467, 668; (34) 169; (36) 469; (37) 65, 673; (38) 68; (39) 475.
digestion experiments with clover hay and silage, (39) 166.
distribution of fat in, (28) 366.
excretion of fertilizing constituents, (39) 576.
fattening—
                                                                                                                                                                                                                                                                                                                              Stephantils—
pyrioides, notes, (40) 753.
pyrioides, studies, (37) 690, 761.
rhododendri, notes, (36) 656.
Stephanorderes—
coffeac, notes, (32) 847; (34) 851.
n.spp., notes, (27) 458.
sp., notes, (38) 363.
Stephanurus dentatus—
description, (34) 280.
effect on pigs, (32) 479.
in Philippines, (30) 384.
life history, (38) 832.
localization and development in hogs, (29) 783;
(31) 484.
                                                                                                                                                                                                                                                                                                                                  Stephanitis-
                      excretion of fortillizing constituents, (39) 576. fattoning—
on pasture, (28) 71; (31) 665.
rate and economy of gains, (37) 471.
feeding experiments, (26) 266, 568; (27) 371, 872; (28) 69, 72, 169, 265, 266, 572, 669, 670, 873; (29) 169, 271, 272, 367, 308, 666, 667, 771, 870; (30) 372, 468, 567, 767, 869; (31) 169, 366, 469, 470; (32) 68, 259, 462, 467, 568, 768, 768, 666, 887, (33) 271, 473, 563, 670; (36) 65, 168, 269, 270, 470, 563, 561, 573, 670; (36) 65, 168, 269, 270, 470, 563, 561, 37), 66, 68, 270, 385, 471, 674, 788, 769; (38) 68, 270, 271, 272, 369, 607, 770, 870, 872, 873; (39) 168, 371, 474, 475, 575, 576; (40) 768.
fish meal for, (29) 270.
grazing on lappanese came, (37) 572.
growth data, (30) 370; (35) 868.
light v. heavy, (38) 667.
limiting grain ration, (40) 360.
measurements, weights, and gains, (38) 371, on different rations, manure produced by, (40) 126.
                         fattening-
                                                                                                                                                                                                                                                                                                                                 (31) 484. notes, (32) 783; (35) 878; (37) 48-2, 779. Stephensonia n.g. and n.sp., description, (40) 650. Steppes of Spain, treatise, (39) 122. Storeulia alata irregularis, notes, (28) 821.
                                                                                                                                                                                                                                                                                                                                                      reum—albohdium, notes, (28) 551.
hirsutum in black knot cankers, (32) 52.
purpureum, notes, (26) 449, 749; (28) 348; (29) 46, 847; (30) 451; (31) 211; (35) 752; (38) 50.
purpureum, studies, (33) 649.
subpileatum, studies, (34) 448.
                                                                                                                                                                                                                                                                                                                              subpileatum, studies, (34) 448.

Sterietiphern—
lineata, notes, (29) 252.
zaddachl, notes, (38) 762.

Sterigmatocystis—
custanea, notes, (28) 549.
nigra—see also Aspergillus niger.
amygdalin dinstasses in, (30) 241, 805.
assumilation of zine by, (30) 523.
notes, (28) 344; (30) 450; (31) 841; (37) 51, 223.
occurrence in sugar, (26) 505.
studies, (32) 844.
utilization of glucinium by, (29) 28.
sp., notes, (31) 536.
sp. on fig. (40) 52.
sydowi n.sp., notes, (29) 345.

Sterility—
and contagious abortion in cows, (29) 80, 81.
                       open shed and open lot for, (30) 168.
open shed feedling, (28) 395.
open yard v. stable for, (32) 462.
"optimum age" for fattening off, (40) 667.
pasture v. confinement for, (39) 474, 475.
pasturing experiments, (31) 74; (39) 474, 475,
576, 880.
pasturing fodder crops with, (38) 470.
pasturing fodder crops with, (38) 470.
physical changes of feed residues in during digestion, (39) 478.
poisoning with cottonseed meal, (26) 780.
preparation of corn for, (33) 265; (38) 272.
respiration experiments, (33) 72; (40) 365.
roughages for, in the South, (40) 665.
selection, (28) 72.
sheltering experiments, (29) 271,
sliage for, (39) 272, 474, 475.
slaughter tests at Smithfield Show, (31) 565.
wintering, (38) 271; (39) 108, 370.
wintering in Alabama, (31) 664.
wintering on pasture, (28) 70.
Steganoptycha pinicolana, notes, (30) 550.
                                                                                                                                                                                                                                                                                                                              Sterility—
and contagious abortion in cows, (29) 80, 81.
in bovines and equines, (32) 679.
catilo, (31) 285; (32) 82; (36) 777; (39) 391, 582.
cows, treatment, (36) 675; (37) 379; (38) 286.
hybrid plants, (31) 225.
rumpless fowls, (28) 878.
tobacco, (33) 129.
Sterilization, effect on—
oxidation of sulphur in soils, (30) 223.
plant food in soils, (29) 122.
soils, (28) 417.
Sterilizer, steam, description, (35) 677.
Sterilizing outfit for field laboratory, (40) 843.
```

Sterna spp., notes, (27) 355.	Stomach—Continued.
Stethorus—	worms-
picipes, notes, (28) 457, snp. parasitic on red spider (32) 157	in Guam, (35) 878. notes, (40) 782. of lambs, (37) 691. of sheep, (37) 477; (39) 372; (40) 88.
spp. parasitic on red spider, (32) 157. Stewart, V. B., biographical sketch, (40) 199. Stick-lue insect, bullow (25) 463	of lambs. (27) 691
	of sheep, (37) 177; (39) 372; (40) 88.
Stictiella n.g., description, (40) 261. Stictis panizzei, notes, (26) 819.	Stomata—
Stictocephala—	and heliotropic sensitivity, relation, (32) 221. behavior during wilting, (35) 431.
festina, notes, (35) 657.	behavior during wilting, (35) 431. estimating aperture, (27) 222, 427.
festina, studies, (32) 652. inermis, notes, (32) 651.	in relation to transpiration, (35) 27; (36) 329.
Stictococcus dimorphus, notes, (34) 453.	opening and closure, (27) 221. regulation of, (33) 628.
Stictomyia longicornis, notes, (28) 451.	studies, (38) 821.
Stictopterinae in British Museum, catalogue, (29) 856.	Stomatal— aperture in cotton leaves, (27) 732.
Stiff-sickness in cattle, notes, (26) 882.	aperture in plants, studies, (38) 223.
Stigeosporium marattiacearum n.sp., description, (37) 630.	investigations, use of porometer in, (35) 431.
Stigmas, effect on germination of pollen, (29) 437.	movement in Gossypium, studies, (28) 822. movement, relation to water content of leaves,
Stigonema sp., notes (28) 31.	(26) 627.
Stijfziekte— in cattle, notes, (26) 882.	Stomatitis— contagious, notes, (37) 482.
in cattle, notes, (26) 882. notes, (28) 780.	contagious pustular, in horses, (38) 586.
paper on, (29) 476. Stilbella—	differential diagnosis, (40) 283.
flavida, control, (40) 42.	in pigs and calves, (33) 774. infectious, (40) 183.
flavida, control, (40) 42. flavida, notes, (29) 650; (32) 645. flavida, studies, (33) 549. nana, notes, (20) 851.	infectious, in horses, (37) 692; (38) 179.
nana, notas. (20) 851	necrotic, notes, (31) 879. vesicular—
50150111-	in cattle, (37) 81.
flavidum, studies, (30) 652, 849.	horses and cattle, (38) 787; (39) 390. horses and mules, (37) 182.
nanum, notes, (31) 49 Stillingia—	notes, (38) 80.
seeds, notes, (32) 613.	Stomatoceras pertorvus n.sp., description, (37) 569.
tallow, detection, (29) 613.	Stomatoceras pertorvus n.sp., description, (37) 569. Stomatograph, description, (27) 732. Stomatothrips flavus n.g. and n.sp., description,
Stilpnotia salicis, control by parasites, (39) 658. Stimulation, mechanical, in plants, (36) 525.	(27) 451.
Stink bugs, notes, (28) 654.	Stomoxys calcitrans, see Stable fly.
Stink grass, analyses, (30) 565. Stinkweed—	Stone—cells, formation in pears, (26) 449.
destruction, (30) 236.	flies injurious to vegetation, (39) 256.
dissemination by farm animals, (26) 839. eradication, (39) 744.	files injurious to vegetation, (39) 256. for road building, see Road materials. grading for road construction, (37) 787.
Stipa—	meal, analyses, (38) 626.
capillata, drought resistance, (36) 734.	meal, analyses. (38) 626. meal fertilizer, so-called, warning against, (33)
spp., analyses, (30) 565. tenacissima, culture and use, (33) 131.	520. meal fertilizers, tests, (30) 327; (32) 520.
tenacissima, notes, (31) 832.	regulations for national forests, (26) 340.
vaseyi, cyanogen in. (33) 665.	road-making qualities, (37) 695.
Stirastoma depressum, notes, (35) 254. Stizolobin, new protein, (39) 202.	Stopcock, special, description, (40) 202. Storage—
Stizolobium—	batteries, installation and care, (30) 190.
aterrimum, destruction of scale insects by, (26) 534.	central cooperative, in France, (40) 688. effect on—
beans, culture in Porto Rico, (29) 631.	flour, (33) 161.
culture experiments, (35) 135, 528.	milk, (28) 579.
deeringianum, seed and pod structure, (38) 638. pachylobium beans, feeding value, (34) 262.	oxygen in water, (26) 418. potatoes, (29) 230.
pachylobium, description, (30) 828.	seed cotton, (29) 140.
spp. as cover crop for coconuts, etc., (33) 535. spp., hybridization experiments, (31) 734.	houses for apples, (32) 888.
spp. in Philippines, (38) 35.	houses, management, (26) 441. rots, relation to temperature, (33) 545.
sop., semisterility in. (32) 726.	structures, plans, (32) 486.
Spp., Studies, (37) 328. Variation (31) 635	Stored goods, insects affecting, (27) 453. Storehouses, insects affecting, (26) 553.
spp., studies, (37) 328. varieties, (31) 635. Stizolobiums, hybridization, (27) 339.	Storer, F. H.—
Slock, 800 Livestock,	biographical sketch, (31) 698.
Stock foods, see Feeding stuffs. Stocks—	tribute to and publications of, (33) 801. Stores—
and scions, antagonism of, (31) 740. breeding experiments, (29) 433. double, notes, (35) 730, 731. for fruit trees, (32) 234; (40) 444.	cooperative, (36) 192; (38) 894.
double notes (35) 730 731	business practice and accounts for, (35) 89 3
for fruit trees, (32) 234; (40) 444.	in the Northwest, (26) 895.
hypridization experiments, (29) 433.	
in. (26) 433; (36) 729.	Wisconsin, (28) 895. insects affecting, (28) 248.
of doubleness in, (30) 631; (36) 826. of hoariness in, (28) 228; (35) 731.	Storm—
of hoariness in, (28) 228; (35) 731. Stockyards—	at Abilene, Texas, (26) 27. Austin, Texas, (27) 316.
disinfection. (36) 675.	Dubuque, Iowa, (29) 812.
licensing, (39) 676.	Dubuque, Iowa, (29) 812. New York City, (27) 816. Pocatello, Idabo, (27) 616.
Stomach— absorption from, (28) 665.	San Diego, California, (37) 513.
absorption from, (28) 665. activity, inhibition, (28) 865. contents, methods of examining, (33) 310.	frequency changes in United States, (34) 118.
contents, methods of examining, (33) 310.	in eastern North Carolina, (30) 417.
glands, secretory, activity under influence of meat extract, (31) 662. physiology of, (28) 567, 864, 865; (32) 858; (33) 754; (34) 463; (40) 270, 766, 867.	of August 10, 1915, (34) 118. July 12-22, 1916, (36) 419. September 13-14, 1912, (28) 415.
physiology of, (28) 567, 864, 865; (32) 858; (33)	September 13-14, 1912, (28) 415.
(04: (34) 463: (4U) 27U, 766, 867.	on Great Lakes, (30) 713.

Storm-Continued.	Straw-Continued.
severe, at Galena, Ill., (26) 214.	winter and summer grown, composition and
severe local, notes, (26) 214.	digestibility, (32) 665.
warning signals on Great Lakes, (35) 506.	yields in Australia, (38) 133. Strawberries—
water run-off, determination, (38) 590. Stoins—	as affected by-
as affected by forests, (29) 842.	Rhizopus nigricans, (38) 252.
autumn, relation to moon, (32) 316	soils and fertilizers, (31) 534 breeding—
electric, in western Kansas, (27) 616. in Belgum, (30) 17.	and testing in Minnesota, (10) 148.
eastern United States, (38) 717.	experiments, (32) 338, 438, 835; (35) 144,
Florida, (29) 721.	441; (36) 741; (39) 346, 319, 512; (40) 742.
Jamaica, (28) 716; (34) 615. Louisiana, (30) 417.	and testing in Minnesota, (40) 118, experiments, (32) 338, 438, 835; (35) 144, 444; (36) 741; (39) 346, 319, 512; (40) 742, experiments in Alaska, (40) 446, bud selection experiments, (31) 335; (33) 236.
Ohio, (29) 812.	Carantiae injurious to, (55) 50 i.
United States, (32) 316.	cold storage experiments, (31) 535,
Virginia, (29) 812. insurance against in Denmark, (27) 794.	composition in relation to soils, (37) 648. crossing experiments, (30) 740; (36) 442.
local, in Illinois, (28) 716.	cultivated, origin, (35) 141.
magnetic—	cultivated, origin, (35) 144. culture, (20) 741, 743; (27) 242; (28) 840; (29) 439 745; (31) 441, 837; (32) 45, 541, 751; (33) 47, 142; (34) 42; (37) 447, 648; (38) 143, 246; (39) 242, 350.
and rain, correlation, (38) 15. of August, 1916, (38) 210.	(34) 42: (37) 447, 648: (38) 143, 216: (39) 242, 350
sun spots, and raintall, (38) 811.	447; (10) 838.
of June 16, 1912, (27) 616.	culture—
papers on, (27) 816; (29) 510. terms used to designate, (34) 118.	441: (37) 243: (38) 11.
Stramonium-	in Mexico, (34) 834.
as affected by composition of soils, (34) 18. breeding experiments, (30) 631.	North Carolina, (30) 441.
improvement by selection, (32) 143.	Wisconsin, (33) 47.
Strangles-	under trigation, (31) 412; (32) 141.
immunization, (28) 784; (31) 378; (33) 87; (31)	culture— cyperiments, (27) 242; (28) 142; (29) 137; (35) 441; (37) 243; (38) 11. in Mexico, (34) 834. North Carolina, (30) 444. the South, (33) 17; (36) 241. Wisconsin, (33) 47, (36) 241. decay in transit, (31) 645. electroculture, (27) 231; (28) 533. everbearing, (38) 346; (40) (33). fertilizer experiments, (26) 31; (29) 145, 745; (35)
580; (36) 179. In horses, (26) 373; (34) 185.	everbearing, (38) 346; (40) 639.
in horses—	fertilizer experiments, (26) 31; (29) 145, 745; (35) 742; (37) 743, 832; (38) 510, 639.
causative agent, (30) 85. immunization, (32) 882.	for home and commercial planting, (33) 537.
in Philippines. (30) 186.	forcing—
in Philippines, (30) 186. in Prussia, (27) 181. streptococcus, specificity, (29) 883.	by electricity, (28) 136.
	by electricity, (26) 136. experiments, (37) 43. with other, (27) 145.
Strategus— alveus, affecting coconut palms, (29) 858.	with ether and warm water, (31) 238. frost injuries, (27) 349.
anachoreta, notes, (26) 354.	fruit and foliage relations, (39) 511.
quadrifoveatus, notes, (36) 355.	fruit setting in, (10) 838.
sp., notes, (39) 849.	graphic summary of seasonal work. (39) 495
sp. on ecconut, (40) 751. spp., notes, (36) 753.	hybridization experiments, (28) 135; (29) 742; (32) 45; (33) 637, 642.
titanus, destructive to sugar cane, (28) 256.	improvement in Minnesota, (34) 637.
titanus, notes, (30) 356. Strationys chamaeleon, notes, (37) 817.	inoculation experiments with brown rot fungus, (33) 247.
Straussia longipennis, notes, (40) 169.	insects affecting, (28) 352; (30) 444; (32) 556; (35) 55
Straw—	labor costs, (40) 192.
action as affected by distribution in soils, (35) 518.	liming experiments, (34) 150. localization of acids and sugars in, (36) 110.
analyses, (26) 767.	marketing, (31) 637.
analyses and nutritive value, (35) 164.	marketing and distribution in 1915, (37) 43
as feeding stuff, (35) 669. as human food, (34) 256.	mulching experiments, (26) 743. new, description, (29) 436, 838; (31) 337; (33) 238
baier, description, (27) 191.	new varieties, (35) 448.
breaking strength, tests, (33) 534. composition and digestibility, (34) 565.	Phytophthora on, (28) 55. picking and packing, (33) 47.
damaged, as source of potash, (31) 327. decomposition by Streptothrix, (27) 620.	preparation for market, (39) 646.
decomposition by Streptothrix, (27) 620.	preservation, (29) 312,
digestibility, (31) 667. effect on—	preservation by freezing, (39) 344. preservation of shape and color, (28) 639
ammonifying power of soils, (35) 730.	propagation and shipping experiments, (34) 637
denitrification in soils, (29) 817.	protection against frost, (33) 237; (38) 611.
loamy sand, (29) 19. nitrification, (40) 719. nitrogen assimilation in plants, (28) 319.	red spider attacking, (32) 157; (30) 65, reducing and nonreducing sugars in, (29) 503
nitrogen assimilation in plants, (26) 319.	relation to typhoid fever. (28) 258.
feeding, (38) 95. feeding value, (29) 271; (38) 168.	review of literature, (31) 339. rotting in transit, (57) 351; (39) 543.
feeding value, (29) 271; (38) 168. fermenting power, (31) 413. fertilizing value, (31) 226, 822; (33) 326. for dairy heiters, (30) 873.	selection experiments, (37) 743.
for dairy heifors (36) 278, 822; (33) 326.	sex inheritance, (39) 349.
grades of, (34) 528.	sprayed, arsenic on, (38) 55. spraying experiments, (28) 652.
grades of, (34) 528. humification, (31) 120. in legume silages, (39) 310, 878.	spraying experiments, (28) 652. sterility, (32) 834; (37) 240; (39) 48. summer care, (33) 698. supply and distribution in 1914, (33) 142.
litter, absorptive power, (33) 817, 818.	summer care, (33) 698.
manure, denitrifying action of, (26) 424.	temperature of leaves, (39) 515.
meal as feed for pigs. (34) 376.	temperature when picked, relation to keeping
as feed for pigs, (34) 376. bread for cattle, (34) 767. composition and digestibility, (35) 474.	quality, (40) 639. thrips affecting, (37) 659.
composition and digestibility, (35) 474.	transportation, (39) 141.
feeding value, (35) 376. preparation and use, (36) 367. measuring for feed, (39) 834.	urcatise, (27) 40, 242; (28) 840; (37) 42, 648. varieties, (28) 743; (27) 241, 842; (28) 542; (29)
measuring for feed, (39) 834.	145, 439; (31) 47, 442; (32) 538; (33) 47, 142, 237;
stacks, changes in composition, (28) 768. Wheat and oat, as bedding, (39) 621.	thrips affecting, (37) 659. transportation, (39) 141. troatise, (27) 40, 242; (28) 840; (37) 42, 648. varieties, (28) 743; (27) 241, 842; (28) 542; (29) 145, 439; (31) 47, 442; (32) 538; (33) 47, 142, 237; (34) 231; (35) 742; (37) 243; (38) 246, 344, 634, (30) 139; (40) 340, 838.
	,, ,,

at a desire a continue d	O
Strawberries—Continued.	Stream—Continued.
varieties— for Now York (26) 230	measurements—continued.
for New York, (26) 239. in Oklahoma, (27) 241. in Oregon, (32) 639.	chemical method, (32) 685.
in Oregon. (32) 639.	in Alabama, (36) 885.
new, (39) 543.	formulas for, (32) 685. in Alabama, (36) 885. Alberta and Saskatchewan, (33) 391;
of North America, (37) 143.	(35) 490; (37) 187. Arizona, (33) 87. California, (28) 618
variety tests, (39) 350, 447; (40) 340.	Arizona, (33) 87.
vitality of pollen, (29) 326.	California, (28) 618. Canada, (27) 317; (29) 683.
winterkilling, (32) 834.	Canada, (27) 317; (29) 683.
Strawberry—	Colorado, (36) 582.
aphis, notes, (30) 53.	Colorado, (36) 582. Idaho, (28) 890; (33) 583. New York, (28) 588; (36) 184, 284
Botrytis and Rhizopus diseases, staining mycelium, (39) 248.	New 10rk, (28) 388; (80) 184, 284
crown girdler, notes, (28) 156.	North Dakota, (33) 683; (37) 84. Texas, (36) 384.
crown girdler, studies, (36) 156; (38) 256.	methods, (38) 186.
diseases, control, (39) 652.	winter, in western Canada, (33) 89.
diseases, notes, (26) 743.	pollution, (29) 617.
flea beetle, notes, (29) 761.	pollution in Illinois, (35) 389.
fruit rot, notes, (38) 646.	pollution, laws in Indiana, (35) 787.
fruit rots, descriptions, (33) 744.	Streams-
gray mold, notes, (39) 452.	as affected by forests, (27) 348.
juice, preparation, (33) 316. juice, studies, (29) 711.	contaminated, dangers from, (29) 880.
Juice, studies, (29) 711.	mountain, bridging, (35) 391.
leaf beetle, notes, (38) 154; (40) 64.	of Alps and Pyrenees, silt carried by, (33) 718,
leaf petiole gall, notes, (34) 362.	719.
leaf roller—	of California, measurement, (26) 317.
biology, (38) 862. notes, (28) 156.	of California, notes, (29) 510, 721; (30) 713. self-purification, (37) 693.
studies. (40) 755.	silt-faden, measurement, (36) 484.
leaf spot. notes. (28) 748; (31) 644; (40) 158.	Street sweepings—
studies, (40) 755. leaf spot, notes, (28) 748; (31) 644; (40) 158. pests, notes, (29) 158.	analyses, (29) 823; (35) 128.
polien, germination, (35) /31.	analyses and fertilizing value, (26) 429.
raspherry hybrid, description, (28) 742.	fertilizers from, (33) 219.
Rhizopus disease, staining mycelium, (39) 248. root louse, see Aphis forbesi.	fertilizing value, (27) 629.
root louse, see Aphis forbesi.	Streets, cleaning, (34) 484. Streets, paving, (38) 789.
root rot, notes, (39) 353.	Streets, paving, (38) 789.
root weevil—	Strepsiptera, studies, (40) 266.
life history and remedies, (30) 58.	Streptococci—
notes, (32) 448: (35) 552; (37) 54, 568.	and lactic ferments, action of antiseptics on, (38)
remedies, (38) 864. studies, (32) 556.	77.
roots, transportation regulations, (30) 846.	blood agar for study of, (40) 881.
roots, winterkilling, (38) 646.	equine and bovine, in human infections, (36)
rootworm, notes, (35) 54.	from milk, differentiation, (27) 177.
rots, notes, (36) 452.	growth and viability in milk and its products,
rots, studies, (35) 459.	(39) 174
rust, notes, (28) 235.	hamalmain made ation htt (22) 92
	hemolytic, filterable toxic product, (40) 83
soils, management, (32) 141. spot, notes, (32) 544.	hemolytic, in milk, (35) 680; (40) 478
	in butter, (26) 478; (31) 576.
notes. (27) 755; (28) 752; (34) 158.	condensed milk, (26) 81.
notes, (27) 755; (28) 752; (34) 158. remedies, (35) 364, 661; (37) 466. studies, (36) 855; (38) 163; (39) 761, 868. white fly, notes, (33) 58.	1111K. (20) 111, (30) 032.
studies, (36) 855; (38) 163; (39) 761, 868.	milk and human throat, comparison, (26) 575;
white fly, notes, (33) 58.	(28) 674. milk, origin, (30) 875.
wille, preparation, (21) 412.	milk, studies, (26) 575; (28) 473, 580. udder inflammation, (30) 890.
Stream-	udder inflammation, (30) 890.
flow-	invading Cryptococcus farciminosus lesions,
as affected by ice, (30) 318.	(40) 880
forecasting, (33) 775, 776. in India, (37) 716. in Massochusetts (30) 318	of strangles, specificity, (29) 883. pathogenic, hemolysms produced by, (28) 179.
in Massachusetts, (30) 318. maximum, determination, (35) 684.	pathogenic, nemolysins produced by, (26) 174.
maximum, determination, (35) 684.	pathogenic, studies, (39) 84, 888. significance in water supplies, (36) 489.
predicting, (29) 514.	Significance in water supplies, (60) 200.
	studies, (40) 881. survival of pasteurization by, (31) 574.
relation to forests, (26) 51; (28) 643; (33) 885;	transmission by stable fly, (32) 552.
(36) 346.	Streptococcic—
relation to precipitation, (29) 121, 812; (35)	diseases in man, treatment, (31) 479.
gage data, skew frequency curve, (37) 513.	diseases, treatment, (26) 578. infection in sheep, (26) 683.
gage data, skew frequency our to, (or, one	infection in sheep, (26) 683.
gaging—handbook, (29) 487.	infantions of cash sit drassages of dollors, (04/ 40).
in Wyoming, (29) 84; (32) 390.	septicemia, treatment, (39) 488.
	serum, method of action, (32) 179.
relation to hydrousing (33) 484.	Streptococcus— acidi lactici, notes, (26) 880. acidi lactici, notes, (27) 563.
stations, artificial controls for, (29) 683 stations in Pacific coast basins, (33) 882.	apis, relation to foulbroad of bees, (27) 563.
stations in Pacific coast basins, (33) 882.	disparis n.sp., description, (39) 465.
stations of United States Geological Survey,	equi, characteristics of, (26) 177.
(33) 89.	ogui notes (30) 186.
new formulas and diagrams for, (33) 882.	
stations, artificial control stations for, (33)	hemolyticus, numan and bovine, differente
484.	
at the accomment for (34) 84	immunity, studies, (40) 678. Infection of udders, (40) 87, 184. Infection of udders, (40) 87, 184.
use of automatic gages in, (33) 777. use of automobile in, (33) 777. measurements, (28) 716; (31) 383, 587.	infection of udders, (40) 87, 164. infection, review of investigations, (40) 184.
use of automobile in, (33) 777.	IDIÉCTION' LEASEM OF THA CORPERSIONES (74)
measurements, (28) 716; (31) 383, 587.	in Stilton cheese, (28) 879.
	origin in milk, (34) 473.
accuracy, (28) 889; (36) 484.	

```
Streptococcus—Continued.
lacticus—continued.
relation to milk acidity, (32) 872; (33) 675.
types of, (34) 77.
lactis fulvus, itinerary in butter manufacture,
                                                                                                                                                                                           Strontium—Continued.
separation from calcium, (26) 205.
toxicity toward plants, (30) 128.
I-Strophanthin in bark and seeds of cleander, (28)
                                                                                                                                                                                                  202
                         (39) 78.
                                                                                                                                                                                            Strophanthus spp., agglutinating properties, (31) 774.
                                                                                                                                                                                          Strophosomus—
coryli, notes, (27) 552,
obesus, notes, (27) 458.
Strumella coryneoidea, description, (31) 451.
                  lanceolatus, notes, (26) 176, 586.
                  pyogenes
                pyogenes—
affecting pigs, (30) 185.
culture medium for, (40) 180.
destruction by periodol, (39) 80.
solani n.sp., notes, (37) 549.
spp., differentiation, (27) 177, 281.
spp., notes, (26) 575.
spp., proteolysis of, (35) 204.
vaccine, tests, (31) 580.
                                                                                                                                                                                          Strychnin—
detoction in water, (34) 410.
effect on plant growth, (37) 632.
effect on sonatic cells, (26) 229.
sulphide, effect on quad, (31) 850.
use against polyneuritis, (28) 761.
Strychnes spinosa, notes, (30) 145.
Studbis, J. E., biographical sketch, (31) 100.
Student budgets in Smith College, (34) 762.
Students
   Streptolysin—
immunity to, (32) 179.
investigations, (30) 78.
Streptothrices, metabolism, (40) 478.
                                                                                                                                                                                           Students
                                                                                                                                                                                                      agricultural, practice work for, (28) 597.
graduate, as research assistants in experiment stations, (36) 102.
high school, standard of livings (29) 767.
    Streptothrix-
                infection of udders, (40) 184, 185.
               madurae, biology and morphology, (26) 281.
muris ratti, notes, (35) 487.
of rat-bite fever, (40) 479.
putoril associated with weasel-bite fover, (39)
                                                                                                                                                                                          Stump-
                                                                                                                                                                                                       burner, description, (37) 385.
growths, abnormalities of, (26) 37.
puller, description and operation, (27) 387.
puller, hand-winch, description, (27) 191.
pulling machine, description, (32) 385.
   rôle in soils, (27) 620.
sp., ammonifying power, (31) 317.
Streptotrichosis in a bullock, (27) 755.
                                                                                                                                                                                        pulling inection, (20) 183; (32) 85. blasting, (29) 183; (28) 590; (31) 589. boring machine tor, (31) 486. burning, (32) 485; (35) 84; (37) 96. char-pit method of destruction, (20) 787; (27) 890.
               determination in tunnel sections, (29) 593.
on concrete pavement slabs, determination, (31)
                      186.
  striga lutea
  eradication, (36) 236.
notes, (31) 842; (40) 48.
Stromatinia—
                                                                                                                                                                                        890.
destruction with acids, (28) 485; (31) 92.
pulling and burning, (37) 87.
removal, (30) 86; (32) 589; (35) 583; (36) 89, 785;
(39) 493, 687; (40) 90
removal with dynamite, (26) 187; (35) 887.
removing with explosives, (26) 591
Sturmals scutellata, biology, (36) 858.
cincrea, notes, (40) 740.
geranii n.sp., description, (40) 249.
Stronge sp., destructive to deer, (26) 653.
Strongyles—
affecting sheep in Algeria, (31) 86.
in horses, (27) 887.
Strongylidae in horses, (39) 656, 892.
                                                                                                                                                                                         Sturnella-
                                                                                                                                                                                      destruction of locusts by, (28) 351.
economic importance, (30) 654.
feeding habits, (28) 351.
spp., feeding habits, (29) 452.
Sturnira lilium parvidens n.subsp., description, (37) 757.
 Strongylidosis-
equine, studies, (35) 489.
equine, treatment, (40) 586.
Strongyloides longus in pigs, (35) 79.
Strongyloplasma avium, notes, (28) 483.
Strongylosis-
Strongylosis—
congenital bronchial, in sheep, (27) 886.
encephalo-embolic, in horses, (28) 887.
encephalo-embolic, notes, (29) 478.
in ruminants, treatment, (28) 379.
pulmonary, notes, (37) 179.
Strongylus—see also Lungworms and Stomach
                                                                                                                                                                                       Sturnus vulgaris—
at Springfield, Massachusetts, (26) 855.
feeding habits, (28) 450.
in Pennsylvania, Chester Co., (27) 254.
                                                                                                                                                                                        Stylopidea picta, notes, (28) 451.
                                                                                                                                                                                        Stylops
          worms.

armatus, affecting mules, (28) 82
capillaris n.sp., description, (30) 384.
cervicornis, notes, (27) 86,
douglasii, life history, (33) 384.
douglasii, intensiones, (26) 487.
filaris, first stages, (28) 182.
(Haemonchus) contortus, life history, (29) 476.
micrurus, notes, (31) 85.
notes, (40) 782.
paradoxus, description, (34) 280.
paradoxus, notes, (35) 878.
rufescens, notes, (30) 381.
spp., in lungs of sheep and deer, (30) 285.
spp., physiological investigations, (31) 679.
studies, (34) 879.
outlum—
                                                                                                                                                                                                    anatomy and life history, (32) 62.
British, synopsis, (39) 664.
                                                                                                                                                                                       Styrox-
                                                                                                                                                                                                   japonica seeds, fatty oil of, (35) 611. obassia, oil of, (37) 109.
                                                                                                                                                                                       Stysanus-
                                                                                                                                                                                      spp. in Norway, (31) 327.
stemonitis, notes, (32) 50.
Suaoda maritima, growth in presence of salt, (33)
                                                                                                                                                                                     222.
Subcapular cysts in domestic animals, (26) 176.
Subirrigation—
for golf greens, (31) 889.
in Florida, (36) 88.
in Texas, (27) 788.
v. surface irrigation for vegetables, (29) 638.
Strontium-
                                                                                                                                                                                      Sublimoform
           and calcium, separating and identifying, (26) 21. carbid, manufacture, (28) 222. detection, (28) 409. determination in—
                                                                                                                                                                                     Subimolorm—
fungicidal value, (31) 242.
use against grain smuts, (27) 445.
Subsoil water—
effect on cotton crop of India, (28) 417.
of central United States, (27) 511.
of United States, (28) 811.
Substitute.
      queermination in—
presence of phosphoric acid and iron, (36) 14.
water, (29) 797; (32) 297; (37) 506.
effect on plant growth, (40) 819.
effect on Spirogyra, (38) 27.
function in plants, (30) 523.
in plants, (38) 409.
in solls, (31) 720.
salts, effect on nodule production in vetch, (32)
728.
                                                                                                                                                                                     Subsoiling
                                                                                                                                                                                                 sching—
effect on yield of cats, (31) 41.
experiments, (28) 827; (30) 121, 236; (37) 272,
732, 733.
experiments with dynamite, (31) 589; (33) 90.
experiments with gelignite, (29) 785.
in the Great Plains, (39) 812.
notes, (31) 131; (38) 334.
with explosives, (26) 91; (29) 183; (32) 884.
           salts, effect on wheat, (36) 520.
separation from barium and calcium, (26) 204.
```

	001
Carboile	Sudan mass Gautte as 3
Subsoils— analyses, (28) 736.	Sudan grass—Continued.
blasting experiments, (30) 386.	culture—continued. in Arizona, (32) 226.
humid, rawness, (40) 121.	cotton belt. (32) 533.
moistness, interpretation of field observations	Cuba, (38) 536.
on, (40) 211, rawness, (39) 620, 621.	Guam, (40) 327. Hawaii, (32) 729.
Succinate, action on isolated intestine, (37) 471.	New Merico (40) 18 36
Succinea riisei, dissemination by bobolinks, (30) 851.	New Mexico, (40) 18, 36. Philippines, (20) 361; (40) 231. sand bills of Nehraska, (35) 827.
Succinic acid—	sand hills of Nebraska, (35) 827.
assimilation by plants, (31) 426. determination, (39) 715.	southern Texas, (32) 332. Virginia, (36) 637.
determination in wine, (31) 13.	Virginia, (36) 637.
effect on earbon assimilation of plants. (27) 525	Wisconsin, (36) 828. under dry farming, (36) 529; (37) 329.
extraction with ether, (37) 414. in beef, (30) 61; (31) 759. in honey, (28) 166. in sulage, (27) 205.	under irrigation, (33) 228.
in beef, (30) 61; (31) 759.	digestibility, (39) 171. for late planting, (37) 436.
III HOHEY, (28) 106.	for late planting, (37) 436.
isolation from soils, (28) 418.	germination, (40) 222. green manuring experiments, (39) 31.
reaction of, (33) 414. Suck fly, notes, (28) 654.	hay, analyses, (37) 236
Suck fly, notes, (28) 654.	hay, composition and digestibility, (35) 640; (39) 672; (40) 71.
Sucrase—	672; (40) 71.
activation by acids, (27) 803. from koji, activity in acid solutions, (30) 311.	hay, digestibility, (39) 171. hay, digestibility and productive value, (37)
protein substances of, (32) 803.	865.
thermoregeneration of, (32) 803.	insects affecting, (33) 746; (34) 449.
Sucrose-	irrigation experiments, (34) 735
acetates of, (34) 408.	notes, (29) 233, 428; (37) 29.
action of acids on, (37) 802. action of symbiotes on, (40) 464.	pasture experiments, (40) 32, 36. planting and cutting, (38) 630.
action of symbiotes on, (40) 464. bromination as affected by catalyzers, (40) 613.	seed, resistance to desiccation, (40) 39.
content of molasses, determination, (40) 206.	seeding and harvesting experiments, (40) 624.
content of soy beans, (28) 166.	seeding experiments, (37) 32, 330, 331; (38) 32; (39) 129, 736; (40) 36, 331, 522.
detection in grape juice and wines, (29) 310. detection in maple sirup, (31) 610.	silage, preservation and use, (37) 672.
determination, (27) 812; (37) 506; (40) 507. determination in—	starch content, (35) 108.
determination in—	transpiration in. (36) 226.
Deels, (32) 110.	Varieties, (38) 829, 830.
beets, (32) 110. cane products, (35) 716. condensed milk, (34) 612.	yields, (35) 528; (39) 128, 336; (40) 331, 733. Sudan III for detection of fat, (39) 313.
confectionery, (30) 206.	Sugar-see also Beet sugar and Cone sugar.
confectionery, (30) 206. milk chocolate, (40) 14. molasses, (26) 207; (27) 508; (28) 22, 613, 711,	absorption by cuttings, (39) 826. acetyl derivatives, (37) 201.
molasses, (26) 207; (27) 508; (28) 22, 613, 711,	acetyl derivatives, (37) 201.
712, 713; (30) 811; (35) 504; (38) 113. presence of lactose, (32) 414.	added invert, detection in honey, (32) 298. addition to Bordeaux mixture, (33) 237.
presence of reducing sugars, (28) 615; (29)	addition to Bordeaux mixture, (33) 237. aldehyde, determination, (37) 714.
112; (35) 316, 805.	alpha and beta, rotatory powers, (37) 410.
effect on action of alcohol on plant cells, (34) 333.	analyses, (30) 712. analyses and food value, (37) 570.
in American grapes, (35) 202. in bananas dried at different temperatures, (35)	analysis, animal charcoals in, (36) 807.
633.	analysis, treatise, (30) 315; (31) 315.
in grape leaves, (27) 731.	apple as stock for cherimoya, (32) 143.
inversion by invertase, (30) 811.	apples, propagation, (27) 537.
inversion of, (34) 13. parenteral administration, (35) 483. synthesis in plant cells, (36) 609.	as congulant for rubber, (37) 318; (40) 641. feeding stuff, (32) 862; (33) 467; (34) 566.
synthesis in plant cells, (36) 609.	wound dressing, (36) 178; (37) 82, 878.
Sud cake, analyses, (32) 32.	assimilation by pigs, (32) 170. bacterial deterioration, (27) 12.
Sudan grass— analyses, (34) 577; (36) 38; (39) 737. analyses and use, (32) 740.	Sugar beet—see also Beet.
analyses and use. (32) 740.	areas, enterprise studies, (40) 299.
and joinison grass seeds, distinguishing charac-	bacterial disease, studies, (30) 349; (31) 243,
ters, (35) 834; (37) 236.	blight, notes, (26) 548.
and millet, comparative yields, (40) 328.	chlorosis description (37) 240
as catch crop after oats, (40) 729. dry-farm crop, (39) 736. forage crop, (31) 737, 829; (35) 337; (37) 532;	chips, analyses, (20) 345. chips, analyses, (27) 570. chlorosis, description, (37) 249. crown gall, notes, (37) 249. crown gall, studies, (33) 147. crowns and leaves, fertilizing value, (35) 127. curly leaf*-bacterial origin, (34) 645.
forage crop, (31) 737, 829; (35) 337; (37) 532;	crown gall, studies, (33) 147.
(38) 634.	crowns and leaves, fertilizing value, (35) 127.
hay crop, (38) 630.	curly leaf, bacterial origin, (34) 645.
midsummer forage crop, (39) 532. pasture_crop, (38) 470, 681; (39) 434, 880;	and mosaic, notes, (36) 847.
(40) 729.	and mosaic, notes, (36) 847. cause, (38) 250. notes, (26) 348; (29) 550; (34) 241.
silage crop, (38) 174; (39) 134.	notes, (26) 348; (29) 550; (34) 241.
bacterial disease in Salt Lake Valley, (33) 851. breeding experiments, (40) 32.	relation to wild vegetation, (37) 847. studies, (26) 848; (28) 314; (29) 48; (32) 238;
composition, relation to yield and maturity, (40)	(33) 743; (39) 763.
330.	transmission by insects, (34) 646.
culture, (32) 226, 598; (34) 694; (37) 136.	damping-off, causative agent, (29) 646.
eulture— and feeding value, (34)831.	diseases— and animal enemies in Germany and
experiments, (32) 526, 739; (33) 31, 32, 333.	Austria-Hungary, (35) 455.
experiments, (32) 526, 739; (33) 31, 32, 333, 830; (34) 227, 229, 630; (35) 229, 336, 526, 640; (36) 38, 131, 133, 332, 829; (37) 226, 227, 236,	and enemies in Bohemia, (33) 851. notes, (29) 153; (30) 649, 853; (31) 232, 543; (34) 350; (35) 350; (39) 353.
(36) 38, 131, 133, 332, 829; (37) 226, 227, 236,	notes, (29) 153; (30) 649, 853; (31) 232, 543;
329, 330, 529; (38) 334, 431, 827, 829, 830, 831; (39) 227, 737, 835; (40) 32, 729.	notes and treatment. (28) 346.
experiments in Hawaii, (40) 823.	notes and treatment, (28) 346. review of literature, (26) 848; (27) 246; (29)
for hay, (37) 436.	245; (81) 747.
for hay and seed, (33) 41.	studies, (33) 246.
for seed, (37) 436.	treatment, (26) 648.

Owner heat Continued	Sugar heats—Continued
Sugar beet—Continued. farms, organization, (40) 488.	Sugar beets—Continued. as affected by—continued.
flakes, analyses, (27) 872.	lead nitrate, (31) 226.
nour, manufacture and use, (30) 15.	nitrogenous fertilizers, (2.) 332.
industry in—	precipitation, (26) 738. size of seed, (31) 42. spacing, (31) 633; (32) 41. static electricity, (27) 500.
Australia, (40) 337. Europe, handbooks, (29) 142.	specing (31) 433: (32) 41
Germany. (29) 113.	static electricity. (27) 500.
Germany, (29) 113. Ontario, (40) 336. United States, (28) 336; (40) 139.	water, (21) 001.
United States, (28) 336; (40) 139.	as nost of Puccinia subnitions, (31) 842.
land, blown-out, recropping, (40) 431.	as human food, (33) 866. as silago crop, (39) 134.
leafhopper, see Beet leafhopper. leaf-spot—	assimilation of—
description, (32) 50.	carbohydrates by, (20) 626.
description, (32) 50. effects, (28) 43. studies, (40) 344.	carbohydrates by, (20) 626. nitrogen by, (33) 434.
studies, (40) 341.	preeding experiments, (37) 442.
treatment, (29) 48.	catalytic fortilizers for, (26) 225. changes in during storage, (27) 210.
leaves, diled, analyses, (27) 872. meal, analyses, (35) 374; (39) 370.	classification. (30) 439.
molasses, railinose in, (40) 313.	classification, (30) 439. classification of varieties, (27) 31.
mosaic disease, studies, (33) 743. nematode, studies, (35) 150.	composition, (27) 838.
nematode, treatment. (36) 450.	composition as affected by— drought, (30) 736.
nematode, treatment, (36) 450. plant louse, remedies, (28) 563.	irrigation. (28) 332.
powder to replace refined sugar, (40) 715.	irrigation, (28) 332. nitrate, (26) 196.
products—	Size, (26) 738.
analyses, (39) 417. as source of alcohol, (35) 113.	sodium manures, (28) 34. composition—
feeding value and pathological effects, (32)	at various stages, (36) 835.
99.	during seed-producing period, (33) 135.
residues as cattle feed, (38) 368.	in relation to meteorological conditions, (37)
root louse— control, (26) 648; (33) 430; (36) 154; (38) 130;	539.
(39) 863: (40) 452.	continuous culture, (40) 419. correlation studies, (36) 629; (37) 28, 642. cost of production, (27) 530, 637; (35) 138; (40) 139, 440, 737.
insect enemy, (39) 562. life history, (31) 250. notes, (33) 857; (36) 55; (37) 255; (39) 258, 464.	cost of production, (27) 530, 637; (35) 138; (40)
life history, (31) 250.	139, 440, 737.
relation to soil moisture, (33) 357.	cost of production in Austria, (28) 594.
root rot—	culture. (27) 32. 435; (28) 336; (30) 736; (31) 35.
causative agent, (29) 646.	critical period of growing season, (39) 811. culture, (27) 32, 435; (28) 336; (30) 736; (31) 35, 298; (34) 482; (39) 834.
studies, (31) 52; (36) 147. roots, bacterial diseases of, (31) 842.	
roots, decomposition in soil, (40) 214.	(20) 138 142 223 427: (30) 133 638: (21)
rot, review of investigations, (29) 550.	333; (32) 132, 136, 225, 430, 435, 526; (33) 31;
Seed—	experiments, (27) 530, 534, 833; (28) 43, 637; (29) 138, 142, 223, 427; (30) 133, 638; (31) 333; (32) 132, 136, 237, 430, 435, 528; (33) 31; (34) 34, 37, 229; (35) 529; (36) 32, 132, 133, 228, 533; (37) 30, 230, 435, 644; (38) 341, 536, 634; (39) 124, 334, 834; (40) 336, 735.
dried, germination and culture tests with, (31) 632.	228, 533; (37) 30, 230, 435, 644; (38) 341, 536,
germination as affected by drying, (29) 739.	in Algeria. (38) 237.
germination tests, (27) 431.	in Algoria, (38) 237. Austria-Hungary, (31) 689. California, (37) 443; (40) 737.
industry in France, (38) 537; (40) 86.	California, (37) 443; (40) 737.
industry in Russia, (37) 443. industry in United States, (37) 540.	Cape of Good Hope, (29) 432.
industry, treatise, (40) 441.	England. (29) 432.
production. (32) 740; (33) 226.	Colorado, (40) 138. England, (29) 432. Java, (29) 142.
selection, (31) 232. single-germ, production, (33) 532.	Massachusetts, (30) 140. Michigan, (30) 320.
sorking in superphosphate solution, (31)	Michigan and Ohio, (40) 440.
632.	Montana, (40) 139.
transmission of high sugar content by, (30)	Norfolk and Suffolk, (33) 532.
834. valuation, (31) 42; (33) 135.	nutrient solutions, (26) 333.
	Ohio, (29) 793. Rhodesia, (27) 32, 637.
sirup, manufacture, (37) 511.	South Africa, (38) 536.
slices for milch cows, (27) 374.	South Dakota, (29) 635; (37) 99; (40) 32
securing in relation to Friom bone, (84) 150. sirup, manufacture, (37) 511. sities for milch cows, (27) 374. soils, nitrates in, (40) 300. thrips, studies, (38) 153. tops, analyses and digestibility, (29) 367. tops, analyses and deading value, (33) 189. (34)	southwestern Russin, (37) 330. Utah, (40) 633.
tops, analyses and digestibility, (29) 367.	Washington, (36) 137.
tops, analysies and tooding values (65) 105, (64)	losses in. (33) 431.
664.	on moorland, (30) 229.
tops and leaves, feeding value, (38) 168. tops for dairy animals, (30) 473. tumors, formation, (34) 845. waste, utilization, (20) 767.	treatise. (32) 436. under dry land conditions, (31) 429.
tumors, formation, (34) 845.	under humid conditions, (30) 529.
waste, utilization, (26) 767.	under humid conditions, (30) 529. under irrigation, (30) 529; (31) 528. defoliating experiments, (30) 39; (36) 233, 732.
webworm, see Loxostoge sticticalis. wireworm, studies, (30) 758.	deforation in quality (28) 43; (36) 233, 732.
yellows, notes, (35) 245.	deterioration in quality, (28) 43; (31) 435. determination of density, (38) 716.
Sugar beets—	determination of fructose in, (40) 507.
absorption and utilization of plant foods by, (26) 737.	development as affected by light, (27) 642
analyses, (26) 132, 409, 770; (27) 36, 334, 341, 371.	distance experiments, (29) 32; (32) 830. drying, (35) 417.
469, 570; (23) 493; (29) 113; (30) 466, 697; (31) 42, 436, 737, 864; (32) 431, 435; (33) 434; (38) 634.	effect on—
42, 436, 737, 864; (32) 431, 435; (33) 434; (38) 634.	composition of milk fat, (33) 674.
and mangels, comparative yields, (40) 431. and sorghum, comparison, (40) 325.	milk, (34) 472. soil productivity, (28) 336.
and their products in bread making, (31) 660.	electroculture experiments, (27) 231; (36) 227;
animals affecting, (28) 654; (30) 853; (31) 58, 649.	(40) 428
as affected by— defoliation and nitrates, (31) 435.	ensiling, (38) 130. examination, (27) 64.
depth of fertilization, (30) 621.	examination and valuation, (28) 715.
fertilizers, (27) 128, 435, 534; (31) 736.	feeding value, (40) 32.

2000101	200
Sugar heats-Continued	Omers harden Goodley 2
Sugar beets—Continued. [fertilizer experiments, (26) 232, 424, 425, 438, 631, 636; (27) 32, 125, 530, 534; (28) 43, 44, 221, 637, 723; (29) 126, 137; (30) 134, 220, 229, 428, 438, 529, 624, 638, 834; (31) 123, 126, 133, 233, 328, 422, 430, 733, 820, 821, 833; (32) 136, 217, 230, 830; (33) 135, 434, 625, 728; (34) 24, 38, 519; (35) 22, 427, 629, 736; (36) 220, 533; (38) 634; (39) 427, 617; (40) 331, 421, 430, 621, 735.	Sugar beets—Continued. seeding experiments, (29) 138, 427; (31) 334.
636; (27) 32, 125, 530, 534; (28) 43, 44, 221, 637,	spacing experiments, (40) 336.
723; (29) 126, 137; (30) 134, 220, 229, 428, 438,	spring v. fall planting, (37) 32.
529, 524, 538, 834; (31) 123, 126, 133, 233, 328, 429 430 733 820 821 833 (32) 138 217 220 820	Statistics, (28) 335.
(33) 135, 434, 625, 728; (34) 24, 38, 519; (35) 22.	studies, (27) 642.
427, 629, 736; (36) 220, 533; (38) 634; (39) 427,	subsoiling experiments, (29) 137. sugar content in relation to—
617; (40) 331, 421, 430, 621, 735.	chemical characters, (35) 641.
	foliage, (34) 38.
following alfalfa, (40) 430. for late planting, (37) 436.	foliage, (34) 38. weight, (35) 640. sulphur in, (31) 817.
for milen cows, (30) 573.	thinning dates, (40) 430.
forage, production and use, (26) 132.	thinning experiments, (40) 336.
formation of saccharose in, (27) 526. from same seed ball, characteristics, (31) 633.	transplanting experiments, (36) 533.
germination, (30) 525.	treatise, (26) 737; (37) 533. tumor formation in, (27) 352.
glycuronic acid from, (26) 307.	utilization of nonsugar substances of, (26) 612
graphic summary of seasonal work, (39) 495.	utilization of nonsugar substances of, (26) 612 v. mangels for western Nebraska, (32) 224.
green manuring experiments, (32) 217, 721. growth as affected by—	Variability of nitrogen content, (29) 536.
alkali salts. (34) 125.	variation in sugar content. (34) 37: (36) 283.
alkali salts. (34) 125. light, (28) 825.	variability of nitrogen content, (29) 536. variation and correlation in, (37) 642. variation in sugar content, (34) 37; (36) 233. varieties, (26) 631, 733; (27) 32, 334, 530, 534, 637, 736; (29) 137, 138, 142, 222, 225, 228, 233, 530; (30) 134, 229, 439; (31) 133, 829; (32) 37, 431, 435, 528, 532, 630; (33) 33, 728, 831; (34) 37; (35) 35, 229, 637; (36) 37, 527, 533; (38) 237, 341, 536, 634.
SOIIS, (29) 416.	736; (29) 137, 138, 142, 222, 225, 228, 233, 530;
growth in sunlight and in shade, (30) 234. improvement, (28) 336.	(30) 134, 229, 439; (31) 133, 829; (32) 37, 431, 435, 598, 539, 630, (32) 33, 798, 831, (34) 37, (35)
increase in sucrose content after removal from	35, 229, 637; (36) 37, 527, 533; (38) 237, 341, 536.
soil, (38) 536.	001.
injurious nitrogen in, (30) 15.	variety tests, (39) 640; (40) 336, 735.
inorganic fertilizers for, (27) 500.	water requirements, (29) 826; (32) 127. weight and sugar content, relationship, (27) 642.
insects affecting, (26) 648, 848; (28) 346, 352; (29) 153; (31) 58, 232, 649; (39) 160, 464.	yield—
inspection in Beigium, (21) 14.	as affected by breaking of leaves, (35) 442.
irrigated, manuring experiments, (40) 421.	in relation to direction of rows, (34) 38.
irrigation experiments, (28) 130, 133, 134, 230, 827; (29) 32, 226; (30) 35; (31) 328, 732; (32) 37, 935; (32) 387, 937, 938, 937, 938, 95, 937, 938, 938, 938, 938, 938, 938, 938, 938	of total nutrients, (39) 336. on alfalfa stubble, (33) 828.
225; (33) 287; (35) 637; (36) 35; (37) 30, 32, 85, 741, 822; (38) 320; (40) 331.	on alfalfa stubble, (33) 828. yields, (28) 533; (29) 425; (40) 734.
741, 822; (38) 320; (40) 331.	yleids in Germany, (26) 43.
leaf infection with Cercospora beticola, (34) 845. liming experiments, (40) 134.	Sugar
localization of betain in, (27) 203.	bibliography, (29) 719; (31) 334. biochemical detection, (29) 509.
loss in weight by drying, (33) 135.	borer, notes, (31) 851.
losses in the silo, (36) 132.	bromoacetyl, preparation, (36) 313.
magnesia fertilizer for, (30) 234. manganese fertilizers for, (27) 643.	cake for cows, (30) 375. cake for pigs, (30) 373.
manufacture of alcohol from, (26) 213, 512, 809.	Sugar cane
manuring experiments, (39) 617.	ammonium sulphate for, (40) 533.
methods of— analysis, (28) 413; (31) 806; (38) 536.	analyses. (29) 362; (31) 37, 236; (37) 826 anatomical structure, (31) 834.
sampling, (26) 409.	aphids affecting, (33) 452. assimilation process, (39) 332.
variety testing, (20) 450.	assimilation process, (39) 332.
mineral matter, composition, (39) 808. morphology and physiology, relation to climate,	bacterial disease, description, (31) 745. bark beetles affecting, (30) 660.
(40) 531.	basi from, (29) 118.
mother, isolation of flower stalk, (33) 832.	beetle—
nematodes affecting, (27) 151, 152; (33) 851. nitrogen content, fluctuation in, (31) 633.	gray-back, remedies, (36) 658. life history and remedies, (38) 263. notes, (34) 757.
nitrogenous constituents of, (26) 116.	notes, (34) 757.
nonprotein nitrogenous substances of, (28) 810.	occurrence in Mauritius, (27) 259.
planting and thinning experiments, (33) 430.	borer—
planting dates. (33) 631. poisoning of livestock by, (34) 80.	as affected by Roentgen rays, (28) 57. control by parasites, (37) 569.
pollination by field beets, (26) 332.	effect on composition of sugar cane, (37) 250.
pollination by thrips, (31) 549.	egg parasite of. (30) 256.
potash compounds in, (31) 325. potash fertilizers for, (26) 526.	now, in Fiji, (33) 256. notes, (26) 60; (27) 659; (29) 52; (32) 449; (33) 453; (34) 556, 753, 758; (39) 265, 765, 868; (40)
premature flowering, (27) 36.	453; (34) 556, 753, 758; (39) 265, 765, 868; (40)
production in—	453,
1913, (31) 391. United States, (26) 94; (39) 237.	parasites of, (40) 554, pink, notes, (33) 554.
Utah and Idaho, (39) 640.	relation to rainfall and trash, (34) 552.
Utah and Idaho, (39) 640. quality as affected by weather, (26) 415. radioactive fertilizer for, (31) 31, 129.	resistant variety, (40) 848.
radioactive fertilizer for, (31) 31, 129.	studies, (30) 854. tachinid parasite, introduction into Hawaii,
relation of— foliage development to sugar content, (31)	(33)256.
233.	butany of, (40) 532.
size of seed to yield, (26) 434.	breeding, (36) 737. *breeding and selection, (33) 136.
size to sugar content, (30) 208; (38) 729. tops to roots, (31) 733.	breeding experiments, (26) 235; (33) 435; (37) 236;
weight to composition, (31) 19.	(38) 526; (39) 33, 237; (40) 241, 242, 633, 634. hud development in, (33) 435.
yield to sugar content, (26) 43.	hud development in, (33) 435. bud moth, studies, (33) 560.
relation to climate, (28) 27.	buying by test, (31) 233.
review of investigations, (31) 232. rotation experiments, (33) 429, 828, 829; (36) 829;	hyproducts utilization (36) 835
(38) 129; (40) 331, 430. saccharose in, (33) 235; (38) 26.	changes during ripening, (36) 234.
saccharose in, (33) 235; (38) 26.	changes during ripening, (36) 234. changes in after cutting, (38) 637. chlorosis, notes, (31) 644; (39) 849; (40) 51.
salt for, (26) 34. second season, analyses, (31) 737; (33) 135.	Chicrosis, Studies, (33) 319.
seed infection in. (34) 747.	classification, (30) 439.
seeding depths, (40) 227, 336.	coloring matter of, (35) 312.

```
Sugar cane—Continued.
frost protection and frost damage, (40) 442.
frosted, preventing decomposition, (40) 634.
fungoid parasites of, (26) 748.
fungus diseases of, (26) 445.
grasshopper, notes, (26) 59.
green manuling, (37) 734; (38) 220.
growing for sirup, (40) 830.
growth, (34) 627.
growth—
Sugar cane-Continued.
                                       a cane—Continued.
cost of production, (29) 690.
covering experiments, (33) 636.
critical period of growing season, (39) 811.
culture, (22) 833; (30) 356; (33) 136; (30) 834.
                            critical period of growing season, early culture, (23) 833; 03) 356; (33) 366; (33) 834. culture—

and implements in Hawaii, (31) 688. experiments, (26) 233, 733; (27) 336, 435, 638; (28) 231, 532; (29) 37, 224, 739; (30) 229, 234, 340, 434, 625, 632; (31) 224, 628, 732, 733, 737, 829; (32) 336, 526; (33) 31, 32, 136, 227, 532, (34) 431; (35) 230; (36) 332, 737; (37) 227, 339, 421, 540, 734, 821, 826; (38) 230, 336, 337, 433, 526, 527; (39) 299, 230, 632, 737; (37) 237, 339, 421, 540, 527; (39) 299, 230, 632; (40) 38, 230, 231, 332, 434, 441, 523, 625, 634, 825. fallowing in, (37) 448, for sirup, (36) 835. in Cuba, (30) 340; (40) 337. Dutch East Indies, (30) 607. Gurdaspur District, India, (40) 635. llawaii, (37) 444; (38) 537; (39) 839. India, (28) 736; (32) 131; (34) 227; (37) 139 (38) 136. Louislana, (31) 137. Mexico, (32) 231. Porto Rico, (29) 95. Queensland, (40) 37. Rhodesia, (27) 637. South Arica, (30) 639. southern Spain, (31) 737. Tucumán, (37) 134, 139. relation to fungus diseases, (30) 150. cut, deterioration, (30) 340. cut, deterioration, (30) 340. determination of riponess, (32) 41. disease, now, in Porto Rico, (38) 150, 852. diseases—and poets in Philippines, (38) 550.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     growth, (34) 627.
growth—
as affected by soils, (20) 416
data, (36) 233.
measurements, (40) 255.
on calcarcous soils, (1-1) 527, 516.
gubs of Australia, (35) 57, (30) 564.
gum disease, notes, (28) 746.
gummosis, studies, (33) 851; (30) 551.
history in Philippines, (36) 533.
hybridization, (20) 439; (30) 835.
lilau, studies, (24) 536.
improvement, (28) 736; (29) 536; (30) 234.
improvement in Guadeloupe, (30) 99.
incrusting coloring matter, (27) 813.
Indian, classification, (40) 035, 829, 830.
Indian, studies, (33) 835.
industry in Brazif, (29) 833.
inheritance in, (40) 241.
insects—
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       growth-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  insects—
affecting, (28) 60, 857; (27) 453, 554, 657, 857; (28) 249, 535; (29) 52, 53, 333, 833, 838; (30) 249, 355, 356; (31) 452, 548; (32) 56, 449; (33) 253; (34) 349, 530, 753; (35) 55; (36) 654, 853; (37) 255; (38) 450; (39) 463, 556, 742, 862; (40) 57, 554.
dissemination, (28) 555
egg purasites of, (32) 348.
parasites of, (37) 554; (28) 746.
quarantine in Porto Rico, (30) 58.
irrigation experiments, (35) 336; (36) 737; (37) 824; (40) 230.
irrigation in Mauritius, (35) 580.
Japanose—
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       insects
                                                                        and pests in Philippines, (38) 550. descriptions, (29) 347. in Barbados, (36) 541. Brazil, (32) 238. British Guiana, (36) 846. Hawaii, (27) 545; (38) 549; (40) 51. India, (33) 846. Mauritius, (32) 442; (33) 444; (37) 551. Porto Rico, (35) 749; (37) 246; (38) 851. Sao Paulo, (37) 553. St. Croix, (32) 643. tropical and subtropical America, (40) 187.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Japanese—
analyses, (34) 331; (35) 898.
as forage crop, (28) 735.
culture, (32) 226.
culture and use, (34) 831.
culture experiments, (37) 132, 140, 329, 529,
632; (38) 827, 829; (40) 729.
culture in eastern Oregon, (38) 432.
culture in Hawaii, (32) 720.
culture in Philippines, (26) 361; (40) 231.
fertilizer experiments, (33) 32; (34) 831; (35)
830; (37) 635; (38) 33, 434.
for steers, (37) 572.
seeding experiments, (37) 533.
silage from, (37) 683.
yields, (35) 528.

Java varieties in Tucumán, (40) 441.
julce—
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Japanese-
                               157. West Indies, (37) 452.
notes, (28) 51, 143, 146; (28) 241, 443, 535; (29) 45, 345, 446, 647, 751, 833; (30) 540, 650, 845; (31) 452, 539, 641, 746; (34) 49, 349, 530, 541, 843; (38) 352; (39) 53; (40) 47, 48, 51, 155, 844, 848.
quarantine in United States, (36) 245. treatment, (27) 448; (30) 150. drainage experiments, (40) 441. drought resistance and stomata relationship, (30) 628. dry disease—
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Java varioties in Tucumán, (40) 441.
juice—
clarification, (31) 117; (40) 510.
coloring matter of, (36) 114.
damage by moth stalk-borer, (27) 650.
injurious nitrogen in, (30) 15.
rôle of oxidases and iron in color changes, (40) 12.
Lahaina disease, studies, (38) 549, 550.
leaf roller, notes, (26) 758.
leaf roller, notes, (26) 758.
leaf-hoppers—
in Hawaii, (40) 854.
notes, (34) 753.
studies, (38) 462.
lightning injury, (38) 250.
lime-magnesia requirements, (29) 520.
liming experiments, (39) 34; (40) 38.
lodging and its prevention, (37) 443, 444.
mealy bug—
as affected by Roentgen rays, (28) 57.
notes, (29) 854.
methods of analysis, (31) 806.
milling, (27) 412.
mineral and nitrogen composition, (29) 338.
morphology, (37) 443.
moth borers affecting, (38) 465.
moth stalk borer, notes, (33) 463.
mottling diseases, resistant variety, (40) 848
mottling diseases, resistant variety, (40) 848
mottling diseases, studies, (39) 53.
mutation in, (40) 634.
nematode injury, (40) 157.
notes, (26) 362.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       inice-
                               (30) 528.

dry disease—
and ring spot, notes, (37) 838.
description, (33) 852.
notes, (34) 442.
effect of arrowing on production, (26) 537.
evolution and origin, (40) 829.
eye-spot, notes, (40) 854.
fermented, notes, (28) 614.
fertilizer experiments, (20) 631, 836, 837; (27) 637, 638, 643; (28) 827; (29) 37, 736, 739, 830; (30) 39, 140, 229, 224, 340, 341, 439, 525, 530, 622, 638, 822, 855; (31) 133, 524, 628, 731, 733, 737, 829; (22) 336, 436, 831; (33) 336, 517, 532; (34) 431, 831, 832; (35) 134, 336, 443; (36) 332, 332, 637, (37) 123, 215, 227, 339, 426, 529, 824; (38) 135, 220, 229, 337, 433, 437, 516; (39) 33, 230, 427, 741, 742; (40) 38, 230, 231, 241, 242, 441, 523, 532, 625, 633, 825.
                                       dry disease
                                 38.
fields, barren spots in, (31) 819.
fire-damaged, analyses of juice, (39) 538.
flowering in, (39) 237.
fodder, composition, (28) 873.
food value, (29) 480.
froghopper, see Tomaspis spp.
```

Sugar cane—Continued.	Sugar cane—Continued.
oxidases of, (40) 426.	Sugar Gate—Continued: varieties, (26) 436, 631, 637, 836, 837; (27) 638, 643; (28) 736, 827; (29) 37, 739, 830; (30) 234, 340, 341, 434, 439, 525, 530, 835; (31) 133, 336, 524, 628, 732, 733, 829; (32) 336, 436, 831; (33) 130, 227; (34) 431; (35) 134, 231, 336, 443; (36) 332, 533, 637, 737; (37) 139, 236, 339, 529, 824, 825, 826; (38) 135, 136, 229, 230, 336, 337, 433, 437, 537; (39) 34; (40) 38, 532.
payment for, (31) 530. pest, new, notes, (30) 157.	945; (28) 750, 827; (29) 37, 739, 830; (30) 234, 340 341 434 430 595 530 935 731 122 336
pests in British Guiana, (29) 756.	524, 628, 732, 733, 829; (32) 336, 436, 831; (33)
pests, remedies, (29) 846.	130, 227; (34) 431; (35) 134, 231, 336, 443; (36)
pineapple disease, notes, (38) 350.	332, 533, 637, 737; (37) 139, 236, 339, 529, 824,
planting— dates in Argentina, (40) 441.	826, 826; (38) 133, 136, 229, 230, 336, 337, 433, 437, 537; (30) 34; (40) 38, 539
experiments, (26) 837; (29) 228; (40) 38, 532,	Varieties—
634, 635.	identification, (39) 443, 642.
experiments with tops, (39) 839. potash and sugar content, relationship, (26) 115.	in Dutch East Indies, (27) 443; (40) 37, 635.
potasa and sugar content, relationship, (20) 115.	Hawaii, (40) 634.
production in Louisiana, (31) 391, production in St. Vincent, (39) 835.	India, (40) 635, 829, 830. Java, (37) 139.
products-	Fumidine, (40) 229.
bacteriology, (32) 22.	variety, disease-resistant, (40) 848.
harmful effects, (33) 65. methods of analysis, (26) 505; (28) 612.	(40) 37 228 230 221 212 222 441 502 625
polarization, (27) 508.	variety, disease-resistant, (40) 848. variety tests, (39) 230, 437, 641, 741, 742, 839; (40) 37, 228, 230, 231, 242, 332, 441, 523, 625, 633, 634, 823, 825.
relation to pellagra, (34) 258.	water requirements, (31) 383.
propagation by seed, (39) 237.	water requirements in India, (27) 429.
ratooning experiments, (40) 38. red rot fungus—	wax from, (26) 213; (39) 712 weevil root borer, studies, (33) 458.
notes, (28) 545.	West Indian, analyses, (27) 339.
on juar, (36) 449.	white grubs affecting, (33) 750; (38) 161, 767.
studies, (29) 347.	wireworm, investigations, (38) 163.
red rot—	yellow stripe and sereh, notes, (36) 847. Sugar—
notes, (30) 649; (31) 841. studies, (26) 548; (27) 48.	carbonitation process, (39) 16.
treatment, (38) 617.	chemistry, progress in, (28) 413.
rind disease—	chips, analyses, (26) 770.
notes, (27) 819.	cold storage experiments, (37) 510. composition and use, (29) 459.
studies, (36) 648.	compounds, rotatory powers, (36) 42.
bird enemies of, (34) 849.	content of—
remedies, (26) 552.	blood, treatise, (31) 277.
root-boring weevils of West Indies, (33) 360.	cornstalks, (27) 314; (30) 14. flarsced and linseed cake, (32) 802.
in Porto Rico, (40) 848.	sorghum, studies, (40) 325.
notes, (28) 545; (35) 653; (37) 753; (39) 756. studies, (27) 749; (28) 649; (34) 50.	sorghum, studies, (40) 325. watermelons, (27) 785.
studies, (27) 749; (28) 649; (34) 50.	cost of production, (28) 294; (39) 443. date-palm, industry in Bengal, (29) 149.
root fungus, notes, (26) 553. root grubs, parasites of, (34) 455.	decolorizing carbons, new, (40) 12, 510.
root system and ratoon crops. (39) 641.	decomposition—
roots, action of arsenates on, (38) 238.	by the cell, (30) 201. in soils, (37) 628.
roots, beetles affecting, (28) 752. rotation experiments, (37) 237.	the animal organism, (26) 307.
sampling, (29) 12.	the living cell, (32) 201.
sampling, experimental error in, (31) 117.	defecation precipitate, reducing substances in,
scale, notes, (33) 155.	(37) 13. denatured, for honeybees, (37) 467.
scarabeid heetles affecting. (36) 658, 753. sclerotial diseases, notes, (38) 351.	deterioration (35) 316
seed-	determination, (26) 115, 312; (27) 12, 507, 714; (35) 416; (37) 313, 509; (39) 509, 510.
chemistry, (28) 108.	(35) 416; (37) 313, 509; (39) 509, 510. determination—
from different sources, (40) 37. planting experiments, (31) 737.	biological method, (31) 809.
selection and treatment, (30) 449.	in bagasse, (27) 210; (31) 18.
shipmont of (31) 530	baked articles, (38) 11, 412.
seeding experiments, (37) 139, 824.	beets, (28) 511. condensed milk, (36) 508.
seeding experiments, (37) 139, 824. seeding v. Bourbon, (30) 530. seedlings, studies, (36) 737. selection experiments, (31) 42; (38) 433; (40) 523.	feeding stuffs, (37) 208.
selection experiments, (31) 42; (38) 433; (40) 523.	food products. (31) 18; (34) 205.
seiting into Crossing, (55) 257.	fruit juices, (28) 639.
sereh disense—	hay and turnips, (31) 807; (37) 618.
in West Indies, (28) 151. notes, (26) 54; (30) 49; (34) 52; (39) 551. treatment, (27) 152.	juices, (29) 413. meat, (29) 798.
treatment, (27) 152.	meat products, (36) 506.
sexual reproduction, (26) 438.	milk, (28) 208; (39) 805. molasses, (33) 207.
smut, notes, (26) 818.	plant juices, (38) 507.
smut, treatment, (38) 647. soils of ITawaii, (36) 813.	plant material, (32) 113.
soils of ITawaii, (36) 813. soils, unproductiveness in, (33) 516.	potatoes. (29) 412.
stem disease, notes, (35) 49.	presence of peptone, (29) 716.
stem rot or Hawaiian iliau in Louisiana, (29) 846.	sugar beets, (26) 409; (29) 113. sweetmeats and sirups, (28) 510. urine, (34) 807; (38) 614; (39) 112; (40) 413. wheat, (28) 836.
stem rot, resistant variety, (40) 848.	urine, (34) 807; (38) 614; (39) 112; (40) 413.
stomata, physiology, (35) 330. stomatal structure, (33) 136; (34) 628.	Wheat, (28) 836.
stomatal structure, (33) 136; (34) 628.	of raffinose in, (40) 313. development in beets, (31) 737.
stripping experiment, (33) 136. subsoiling tests, (26) 631.	digest of literature, (27) 615.
sucrose content, determining at early stage, (39)	effect on-
237.	ammonia accumulation by microorgan- isms, (37) 812. ammonification, (28) 718.
thick v. thin, for planting, (40) 532.	ammonification, (28) 718.
thinning experiments, (31) 42, 530; (37) 139. top rot, notes, (34) 628.	bacterial content of ice cream, (32) 660.
tops for planting, (33) 136.	determination of pentoses in plant extracts,
transpiration in. (35) 331; (39) 331.	(33) 712. digestion, (29) 683.
trash compost, nitrogen content, (39) 523. unloading and conveying machinery, (37) 90.	dogs, (28) 462.

	Course Continued
ugar—Continued.	Sugar—Continued. invert—continued.
effect on—continued. metabolism, (27) 871.	formation n beets during storage, (30) 15.
nitrification in soils, (28) 218; (31) 819.	in bananas dried at different temperatures,
effect on nitrogen—	(35) 633. in malt sprouts, (26) 21.
assimilation in plants, (26) 319. fixation, (28) 816.	manufacture, (40) 802.
fixation and nitrate loss in soil, (40) 122.	notes, (27) 812.
transformation in soils, (30) 717.	use in bread making, (33) 461,
effect on— oxidation of sulphur in soils, (30) 222.	juice, evaporation, (28) 893. kelp carbon for decolorizing, (40) 12.
plants, (35) 633.	localization in fleshy fruits, (35) 226; (36) 110.
productivity of soils, (28) 623.	localization in fleshy fruits, (35) 226; (36) 110, locating in plant tissues, (34) 729; (39) 27.
secretions, (31) 762. soils, (27) 722.	making, mycology of, (26) 355. mangels, analyses, (26) 132.
toxicity of nitrates, (30) 227.	mangels, production and use, (26) 132.
evaporating machinery, studies, (30) 890. experiment station at Prague, report, (28) 411	manufacture, (29) 833.
experiment station at Prague, report, (28) 411	manufacture— from corp. (28) 810
experiment stations in Java, work of, (31) 530 extraction from beets, (28) 413; (31) 18.	from corn, (28) 810. from cornstalks, (28) 314; (31) 409.
factories—	from cornistalks, (28) 314; (31) 409. from wood, (28) 571; (30) 711. handbook, (27) 413; (38) 508. in United Provinces, India, (40) 208. sirup precipitato in, (36) 415.
cooperative in Holland, (27) 487.	handbook, (27) 413; (38) 508.
germicides for, (32) 717. heat balance of, (30) 891.	sirup precipitato in. (36) 415.
power and steam consumption, (36) 388.	teenment accounting and enomical control
factory juice heaters, tests, (36) 387.	in, (30) 14. treatise, (26) 439; (29) 113, 312; (34) 508;
factory wastes, fertilizing value, (29) 129.	(37) 114.
feeds, analyses, (29) 467. fertilizing value, (28) 123.	use of decolorizing carbons in, (39) 113.
filtration of sirups in relation to purity, (39) 200	maple—see also Maple sugar.
food value, (29) 65, 459; (32) 662.	borer, notes, (26) 147. distribution and management, (28) 314.
for children, (34) 164. horses, (34) 769. infants, (34) 258. pigs, (33) 571	leaves, plant food constituents, (37) 629.
infants, (34) 258.	p, composition, (34) 428.
pigs, (33) 571	blume tables, frustum form factor, (37) 651.
formation— and trunslocation in mangels. (36) 125.	wounds, larvae in, (29) 357. massecuite—
as affected by removal of flowers, (28) 225.	and sirup, frothy fermentation, (40) 615, purity tables, (40) 116, treatment, (40) 510.
	purity tables, (40) 116.
potato leaves, (30) 126.	treatment, (40) 510.
stalks of corn and sorghum. (29) 409.	metabolism, studies, (39) 874.
sugar beets, (33) 235.	methods of analysis, (27) 411; (32) 109; (33) 258
sweet potatoes, (27) 435.	(35) 114; (36) 716; (38) 803.
potato leaves, (36) 128. potatoses, (33) 310. stalks of corn and sorghum, (29) 409. sugar boets, (33) 235. sweet potatoes, (27) 435. forms of in fruits, (29) 40, 503. from ecconut paim sap, (30) 16. cornstalks, (34) 113. millet, (32) 117. sweet sorghums of India. (32) 136	metabolism, rapidity of, (35) 764. metabolism, studies, (39) 874. methods of analysis, (27) 411; (32) 109; (33) 258 (35) 114; (36) 716; (38) 803. minimum in nutrition, (40) 563. occurrence of levan in, (28) 504. of birds' eggs; investingtions (28) 65
cornstalks, (34) 113.	or birds oggs, invostigations, (20) 00.
millet, (32) 117.	of different sorts in human nutrition, (31) 762.
sweet sorghums of India, (32) 136. hexose, in normal milk, (33) 311.	other than sucrose, distribution in food materials, (39) 68.
humification, (31) 120.	palm—
humus, preparation, (36) 625.	culture and use, (32) 46.
humus, relation to soil "sickness," (28) 520. hydrolysis, investigations, (30) 411.	East Indian, (40) 44. sap, studies, (30) 16.
in arrowhead tubers, studies, (30) 502.	pentose, in plants, (39) 224.
floral leaves, (37) 246. potatoes, (29) 219; (33) 223.	plantations in Queensland, white labor for, (29)
resting potato tubers, (35) 634.	polarization, temperature corrections in, (26) 99.
sweet potatoes, nature, (33) 504.	powdered, grades of, (31) 164.
industry—	prices in India, (30) 896.
chemistry of, treatise, (33) 615.	production — and consumption, (28) 335.
in Australia, (40) 524. Cuba, (40) 792.	chemistry of, (26) 115.
Grenada, (39) 738.	economic factors in, (30) 18.
Guiana, (31) 391. Gurdaspur District, India, (40) 635.	handbook, (29) 233. in South Africa, (38) 494.
Hawaii, (31) 391.	in various countries, (36) 737.
Hawaii, (31) 391. island of Negros, (26) 537.	1918 program, (38) 836.
Louisiana, (29) 690. Mexico, (32) 231. Natal, (29) 739.	treatise, (39) 538. products—
Natal. (29) 739.	adulteration, (30) 258.
Philippines, (28) 535. Queensland, (31) 737; (40) 37.	determination of solids in, (27) 497. methods of analysis, (32) 109; (38) 315.
Queensland, (31) 787; (40) 37.	methods of analysis, (32) 109; (38) 315.
United States, (30) 736, 737, 791. monograph. (28) 637.	purification, carbon filters for, (40) 511. raw, deterioration, (38) 805.
monograph, (28) 537. injections, effect on heat regulation, (32) 859.	raw, from various countries, composition, (40)
inversion—	208.
and determination, (38) 507. and fermentation in flour, (34) 660.	raw, raffinose in, (26) 115, 116. raw, valuation, (39) 808.
by acids, action of neutral salts on, (40) 802.	reduning
by colloidal silica, (40) 201. by soils and allied substances, (40) 123.	and nonreducing, in mangels, (29) 111.
of, (34) 13.	destruction in cane products, (35) 716.
invert—	and nonreducing, in mangels, (29) 111. destruction in cane products, (35) 716. determination, (30) 315; (34) 13, 611; (35) 206, 416; (36) 614; (37) 13. determination in cane products, (35) 616. determination in cane products, (35) 616. determination in cane products, (35) 616.
action of acids on, (37) 802.	determination in cane products, (35) 616.
detection, (31) 18. determination, (32) 22. determination in presence of saccharose,	determination in presence of peptones, (29) 613.
determination in presence of saccharose.	determination in vinegar, (29) 798.
(33) 207.	Fehling's test. (39) 14.
determination in presence of sucrose, (35) 504.	in beets, (82) 110; (86) 731.

Correct Continued	
Sugar—Continued. reducing—continued.	Sulphate of iron, see Iron sulphate.
power, (30) 111.	Sulphate of potash, see Potassium sulphate. Sulphates—
variations of in leaves, (29) 827.	determination, (32) 714; (40) 113
refined, action on Fehling's solution, (32) 22	determination in —
refinery sewage, purification, (33) 785; (34) 591. refinery sludge, analyses and fertilizing value,	bread, (34) 205.
(34) 520.	soils, (34) 10; (39) 12. urine, (35) 13.
refining, (40) 208.	water, (31) 502.
refuse, fertilizing value, (26) 631. region, meteorological service, (39) 718.	effect on—
relation to anthocyanin in flowers, (31) 427; (33)	growth of red clover, (34) 625
427.	metabolism and excretion, (26) 69. nitrification in soils, (26) 817.
relation to polyneuritis, (29) 460.	nodule production, (32) 727; (33) 134.
residues as source of potash, (34) 328.	soil bacteria, (33) 515. fertilizing value, (35) 220.
resorption in small intestine, (29) 268. resorption in the cell organism, (31) 361.	floorulating power on alar (97) 690
rôle in nutrition, (32) 362.	flocculating power on clay, (27) 620. in iain and snow, (38) 416; (40) 19.
rôle in preserved foods, (28) 361.	inorganic, rôle in nutrition. (40) 71.
seeding method of graining, (40) 208. situation, treatise, (40) 533.	loss from soils, (35) 813.
solutions—	reduction in plant cells, (28) 428. Sulphid solutions, alkaline, fungicidal value, (37) 47.
calculating purity, (38) 616.	Sulphids—
calculating purity, (38) 616. filtering rack for, (39) 505. impure, electrical conductivity, (27) 114.	effect on cement, (38) C91
station, Java, report, (26) 610.	effect on metabolism and excretion, (20) 69.
statistics in United States, (33) 894.	insecticidal value, (34) 61, (35) 838. Sulphion, volumetric estimation, (40) 409.
storage, (39) 510.	Sulphite—
substitutes—	cellulose liquors, utilization, (28) 222; (29) 129.
for, (38) 662. in ice cream, (39) 183, 872; (40) 777, 802.	cellulose lyo waste as cattle feed, (33) 70.
in ice cream, (39) 183, 872; (40) 777, 802. in jelly making, (40) 558.	in wool, (28) 311. liquor waste, utilization, (35) 14.
recines. (40) 361.	Sulphites—
use, (39) 571, 769; (40) 67, 68, 864. sulphitation process, (39) 509, supply of United States, (31) 391; (38) 866;	determination, (37) 205.
supply of United States (31) 391. (38) 866.	effect on metabolism and exerction, (26) 69.
(39) 443.	fertilizing value, (29) 521. Sulphocyanic compounds, assimilation by mold
supply of world, (38) 595.	fungi, (29) 29.
synthesis by radium emanations, (32) 328.	fungi, (29) 29. Sulphocyanid, in ammonium sulphate, (31) 422.
technology, treatise, (35) 807. transformation in the human organism, (24) (3.	Sulphocyanogen, origin in milk, (26) 477.
treatise, (31) 804.	Sulphone-phthalems, preparation, (36) 111. Sulphonphthalem series of indicators, (36) 711.
unfermentable, formation in wine, (31) 316.	Sulphur—
unfermentable, of molasses, (39) 207.	action in soils, (25) 820.
use in bread making, (32) 761; (33) 162. utilization by green plants, (29) 423; (32) 8.3,	analyses, (27) 441.
(36) 125.	and phosphate composts, studies, (35) 118, 624,
variation in corn cockle seeds, (28) 525.	and potassium hydroxid, reaction between, (31)
vinegar, notes, (30) 668.	409.
warehousing and storing, (38) 392 waste in baking, (34) 660.	and sulphates, fertilizing value, (39) 729. arsenical dusts, use against strawberry weevil,
Sugarnouse apparatus, tests, (32) 282.	(37) 466.
Sugarhouse control, (29) 413.	as fertilizer for grapes, (30) 822.
Sugars—see also Glucose, Sucrose, etc. absorption in the intestines, (28) 763.	as fertilizer for rice, (29) 232.
aldehyde, determination, (40) 114.	as soil disinfectant, (31) 621.
aldohyde, determination, (40) 114. autooxidation, (40) 113. determination in silage, (40) 413.	analyses, (31) 142.
determination in sliage, (40) 413.	fungicidal value, (34) 146.
nomenclature, (26) 505. nonfermentable, of molasses, (40) 313.	tests, (29) 146.
preparation from other sugars of fewer carbon	physiology, (28) 728.
atoms, (40) 110.	physiology and distribution, (83) 23.
reducing, determination, (28) 111, 205; (40) 114, 312, 613.	purple, physiology of, (31) 32.
reducing, unification of methods, (26) 312;	compound, soluble, analyses, (34) 436. compounds—
(27) 114.	effect on metabolism and excretion, (26) 69
toxicity, (28) 661.	fertilizing value, (34) 221.
translocation from green leaves, (26) 229. Sugi—	injury to grapevines, (38) 553.
fertilizer experiments, (38) 624.	of soils, (32) 718. conservation in soils, (38) 327.
leaves, essential oil of, (34) 802.	content of Kentucky soils, (30) 20.
seedlings, red plague of, (35) 354. Suints, analyses, (26) 727.	content of soils, (31) 720,
Sukla grass, analyses, (28) 768.	copper sulphate mixture, testing, (26) 854. detection in inorganic and organic compounds
Sulfabion, fungicidal value, (26) 345.	(26) 109.
Sulfocide, tests, (28) 48; (29) 146; (35) 549.	determination, (26) 511; (31) 109.
Sulfofication— in relation to nitrogen transformations, (39) 823.	determination—
in soils, (31) 318; (34) 19; (36) 22; (37) 119.	as barium sulphate, (35) 613. in lime-sulphur solutions, (36) 16.
Sulla-	plant material and soils, (37) 614.
culture experiments, (30) 632.	mlomes (90) 707: (31) 817
diseases, notes, (31) 841. insects affecting, (26) 147.	rice, (29) 231; (31) 110.
nitrates in, (36) 329.	soils, (28) 123. urine, (33) 415; (35) 13.
notes, (26) 362.	wine, (35) 617.
seed, germination energy of, (29) 538. seed, tests, (26) 133.	of fineness, (31) 15.
Spanish, as forage crop, (32) 41.	dioxid—
varieties. (30) 434.	determination, (37) 205; (38) 10. determination in dried fruits, (32) 206.
Sulphate of ammonia, see Ammonium sulphate.	MANNETHANKAN ACTION

Sulphur—Continued.	Sulphur—Continued.
dioxid—continued. effect on animals, (35) 133.	relation to— nitrogen in metabolism, (26) 765.
effect on plants, (35) 28, 133, 243, 636.	soil fertility, (32) 724; (34) 27.
effect on vegetation, (34) 526. effect on wine diseases, (35) 617.	soils and crops, (35) 220; (36) 396. removal from soil, (39) 517.
effect on yeasts and bacteria in wine and	requirement of crops, (26) 726.
juices, (35) 611.	requirement of red clover, (40) 727.
fumes, disappearance from the air, (35) 133. in atmosphere of Selby smoke zone, (34)	soluble and atomic, fungicidal value, (37) 448. soluble, as summer spray for apples, (33) 46, 47.
716.	spray injury, prevention, (34) 154.
injury to plants, (34) 745.	sprays
injury to trees, (31) 146. Insecticidal value, (38) 458.	fruit spotting from, (39) 856. materials used in, (35) 342.
leaf injury or loss due to, (35) 243.	preparation and uso, (40) 59.
sterilization of soils by, (32) 816. use against insects, (36) 456.	sterilization of soils by, (32) 816.
dips, methods of analysis, (40) 208.	thiosulphate, determination in lime-sulphur solutions, (36) 318. transformation in soils, (33) 815.
dust, fungicidal value, (34) 146; (39) 548.	transformation in soils, (33) 815.
dusting v. spraying with, (31) 449.	trioxid of feeding stuffs, digestibility, (40) 770.
effect on— alfalfa. (37) 33.	use against oak mildew, (31) 845. use against potato scab, (29) 646; (30) 139; (32)
Aspergillus fumigatus, (29) 30.	146; (33) 246; (36) 848; (39) 755.
alfalfa, (37) 33. Aspergillus fumigatus, (29) 30. availability of mineral phosphates, (36) 26. availability of rock phosphate, (39) 118. bacterial activity of soils, (31) 125. crops and soils, (38) 221. fermentation of manure, (38) 19. growth of rad clover, (34) 625	Sulphured—food products, arsenic in, (39) 206.
bacterial activity of soils, (31) 125.	grain, detection, (28) 807.
crops and soils, (38) 221.	Sulphuric acid—
growth of red clover, (34) 625.	assay, (28) 661. content of snow and rain, (40) 314.
growth of sugar beets, (30) 834.	creamery-waste, acid phosphate from, (40) 16.
growth of tubercle bacilli, (29) 381.	destruction of stumps by, (28) 485; (31) 92.
hops, (29) 13. nitrification in soils, (31) 818.	destruction of stumps by, (28) 485; (31) 92. destruction of weeds by, (31) 532; (36) 236. detecting arsenic in, (39) 113. determination, (26) 205; (32) 714.
plant growth, (31) 623, 817; (34) 331, 726.	determination, (26) 205; (32) 714.
plants, (27) 27. potato scab, (32) 750.	determination in— foods, (29) 809.
rock phosphate, (40) 128.	presence of alkali metals, (26) 109.
rock phosphate, (40) 128. soil acidity, (31) 727.	presence of phosphates, (40) 13. soils, (27) 805.
soil bacteria, (30) 532. soil fungi, (27) 728.	displacement by water in leaves, (29) 219.
sugar peets, (34) 38.	effect on—
wool production, (28) 872. fertilizing action, (28) 819.	bread fermentation, (27) 268. germination of lespedeza seed, (35) 441.
fertilizing value. (27) 128 326 422 628 620 (28)	germination of seeds, (27) 132, 524; (29) 628,
fertilizing value, (27) 128, 326, 422, 628, 629; (28) 726, 740, 815; (29) 25, 26, 215, 319, 821; (30) 138, 139, 435, 532, 627, 822, 834; (31) 31, 218, 220, 424, 442, 530, 623; (32) 724; (33) 841; (34) 540; (35) 529, 728; (38) 726; (39) 622, 749; (40) 128, 440.	7417.
139, 435, 532, 627, 822, 834; (31) 31, 218, 220, 424,	plants, (30) 130; (37) 224. rice production, (39) 537. soil organisms, (38) 420.
529, 728; (38) 726; (39) 622, 749; (40) 128, 440.	soil organisms, (38) 420.
finely ground, fungicidal value, (30) 840. for grapes, (31) 442.	sprouting of potatoes, (32) 829. wheat, (31) 31. fortilizing many (20) 85. (20) 441
free, determination, (27) 206.	fertilizing value, (29) 25; (30) 441. forcing plants with, (28) 837.
fumes, effect on plant growth, (33) 127.	hydrometer readings, (27) 328.
fungicidal value, (33) 648.	industry, (36) 121.
fungicides, preparation and use, (35) 646; (36)	industry—
fungicides, source and use, (36) 455.	in Great Britain, (40) 816. in United States, (29) 517.
importance in animal nutrition, (31) 663. in lowa soils, (34) 27.	in United States, (20) 517. notes, (31) 323; (30) 222, 522, 724. larvicidal value, (37) 665. manufacture, (34) 9; (38) 423; (40) 815. manufacture in United States, (27) 22.
metabolism of Aspergillus niger, (30) 727.	18FV101081 Value, (37) 665.
moor soils, destructive action, (36) 424.	manufacture in United States, (27) 22.
plant nutrition, (31) 817. soils and atmospheric precipitation, (30) 422. soils, solubility, (39) 821. insecticidal value, (27) 755; (39) 762. international movement, (34) 426. isolution from soils, (29) 418.	production and use in 1911, (29) 213. solution, effect on potatoes, (27) 748.
soils, solubility, (39) 821.	tltration, (30) 805.
international movement. (34) 426.	use against weeds, (30) 441; (33) 139.
1501401014 11 0111 50113, (20) 710.	in irrigation water, (29) 330. in soil disinfection, (33) 250.
judging, (31) 15. liberation from lime-sulphur, (31) 408.	on alkali soiis, (28) 814.
linkages in proteins, (26) 306.	on rice fields, (36) 332. volatility in vacuum drying, (30) 505.
liver of, emulsion for, (37) 760.	waste, utilization, (29) 418.
liver of, purchase and use, (31) 846. loss in drainage water, (35) 623.	Sulphuric anhydrid, loss on incinerating organic
10SS 1D S011S, (37) 119.	substances, (33) 611. Sulphuring—
mechanism and fertilizing action, (27) 726. metabolism in dogs, (38) 570.	effect on hops, (33) 700.
metabolism of, (35) 863,	machines, tests, (29) 347. Sulphurous—
methods of analysis, (26) 315; (31) 806. nutrition of plants, (40) 726.	acid-
oxidation by nitric acid, (27) 245.	action on rock phosphate, (34) 220.
oxidation by nitric scid, (27) 245. oxidation in soils, (30) 222; (38) 821.	as food preservative, (30) 364. effect on pollen, (27) 635.
paste as spray for peaches, (36) 351. paste, fungicidal value, (34) 146.	effect on white wines, (29) 264.
powdered, as fungicide, (38) 848. powdered, for gooseberry mildew, (32) 645.	fertilizing value, (29) 25. free, determination, (33) 611.
powdered, for gooseberry mildew, (32) 645. powders, testing, (26) 854.	in candies, (27) 868.
production—	in wine making, (28) 209; (32) 208; (34) 207;
and use in 1913, (32) 425.	(36) 801. physiological action, (29) 269.
and use in 1913–1915, (35) 631. in 1915–16, (37) 524.	preparation, (37) 205.
	titration, (32) 116,

Sulphurous—Continued.	Sunflowers—Continued.
anhydrid, toxicity toward olive blooms, (33) 447.	forms of, (30) 140.
Sultanas, drying, (37) 114.	germination as affected by depth of planting, (36) 438.
Sumac-	germination studies, (28) 225.
as source of tannin, (37) 548.	glucosid in, (32) 713.
destruction, (26) 334.	glucosid in, (32) 713. growth in, (33) 28.
Indian, notes, (35) 317	growth on calcareous soils, (31) 816. hybrid, (40) 728.
industry in America, (39) 752. poison, pollen of, (31) 280.	insects affecting, (31) 548; (34) 450.
smooth, notes, (30) 145.	marking factors in. (34) 341.
Summer—	phyllotaxy of, (28) 739
grass, analyses, (27) 68.	pollination by bees, (32) 556.
sore in horses, notes, (26) 482.	red, notes, (26) 840.
sores, etiology and treatment, (49) 586.	resistance to cold, (39) 525.
American, classification, (34) 118.	root systems of, (31) 515.
classification, (32) 810.	Russian, as silage crop, (39) 134. Russian, breeding experiments, (27) 741.
warm and cold. (40) 716.	sclerotinia diseases, (40) 49.
Sun-	specific and varietal characters in. (34) 237.
as fog producer, (29) 721	studies, (32) 831
Brester's theory, (38) 511. power plant in Egypt, (31) 688.	variations in, (37) 543 varieties, (27) 736; (31) 829; (33) 527; (37) 339.
power plant in Egypt, (31) 688. power plant, notes, (30) 890.	varieties, (21) 136; (31) 829; (33) 521; (31) 339. varieties resistant to Orobanche cumana,
power plants, steam engines for, (29) 787.	(29) 851.
spot frequencies, (34) 117. spot numbers, Wolf-Wolfer system, (29) 721.	water requirement, (32) 127; (35) 823.
spot numbers, Wolf-Wolfer system, (29) 721.	yields of stover, (40) 731.
spots-	Sunlight—
effect on tree growth, (38) 415.	actinic power, (29) 212.
magnetic storms, and rainfall, (38) 811. periodicity, (38) 812.	and moonlight, relation, (38) 811. effect on—
relation to climate, (28) 211; (38) 114; (40)	color of apples, (28) 145.
416.	composition of leaves, (35) 333.
relation to weather, (27) 718; (37) 619.	composition of wheat, (29) 834.
temperature and radiation of, (36) 419.	flower color, (34) 237.
Sundri timber, notes, (34) 240.	germination of seeds, (28) 327.
Sunilower—	osmotic pressure of leaves, (27) 631.
artichoke grafts, studies, (39) 645. cake, analyses, (26) 165, 369.	plant acids, (30) 431. plant assimilation, (29) 26.
cake, digestibility, (28) 464.	formation of nitrites by, in aqueous solution,
fly, notes, (40) 169.	(40) 425.
pith and stems, utilization, (38) 207. seed, amino acid in, (33) 665.	measuring with photometer, (39) 524.
seed, amino acid in, (33) 665.	photochemical effects from, (29) 218.
seed, analyses, (31) 834.	relation to respiratory activity, (34) 30.
seed cake— acidity, (32) 259; (35) 770.	synthesis by, (30) 129. Sunrise and temperature minimum, difference in
analyses, (29) 467; (30) 267, 268; (31) 467; (33)	time, (40) 314.
170.	Sun's—
effect on milk and butter, (34) 570.	Sun's— atmosphere, convection in, (35) 419.
effect on milk and butter, (34) 570. effect on milk production and quality, (26)	Sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476.	Sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577.	Sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. sed— distribution of nitrogen in, (36) 269	Sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268: (31) 864: (33) 870.	sun's— atmosphere, convection in, (35) 410. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 836. intensity, method for approximating, (38) 629.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803.	Sun's— atmosphere, convection in, (35) 410. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 836. intensity, method for approximating, (38) 629. measurement, (33) 717.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613.	Sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 618. Swedish, studies, (40) 533.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 536. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Labo-
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds—	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 536. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Supernosphate— Supernosphate—
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 536. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Supernosphate— Supernosphate—
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427. precipitating serum from protein of, (28)	Sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, predipitating serum from protein of, (28) 801.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by—
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 894; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, precipitating serum from protein of, (28) 801. silage—	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to burnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, precipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470.	Sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 836. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36)
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, precipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to burnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427. precipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. calcium cyanamid, (30) 26; (33) 25. crumbing, (30) 722.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. sed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, precipitating serum from protein of, (28) 801. slage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242.	Sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. calcium cyanamid, (30) 26; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, precipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. Sunflowers—	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 516; (36) 325. calcium cyanamid, (30) 28; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427. precipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. Sunflowers— analyses, (27) 68.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 836. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821. liming, (39) 119.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427. precipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. Sunflowers— analyses, (27) 68.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 836. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. nnalyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. calcium cyanamid, (30) 26; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427. precipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. Sunflowers— analyses, (27) 68.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 836. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. nnalyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. calcium cyanamid, (30) 26; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641.
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effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, precipitating serum from protein of, (28) 801. slage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. Sunflowers— analyses, (27) 68. as affected by lithium salts, (28) 526. forage crop, (40) 242. sliage crop, (38) 74; (40) 332, 431. solling and sllage crop, (40) 429. source of potash, (38) 207.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 836. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. calcium cyanamid, (30) 26; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641. double, fertilizing value, (34) 35. double, preparation, (29) 319; (33) 220. drilling v. broadcasting, (31) 123.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, precipitating serum from protein of, (28) 801. slage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. Sunflowers— analyses, (27) 68. as affected by lithium salts, (28) 526. forage crop, (40) 242. sliage crop, (38) 74; (40) 332, 431. soiling and sllage crop, (40) 429. source of potash, (38) 207. culture, (31) 834.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superior Gouncil of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. calcium cynnamid, (30) 28; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641. double, preparation, (29) 319; (33) 220. drilling v. broadcasting, (31) 123. effect on—
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427. precipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. Sunflowers— analyses, (27) 68. as affected by lithium salts, (28) 526. forage crop, (40) 242. silage crop, (38) 74; (40) 332, 431. soiling and silage crop, (40) 429. source of potash, (38) 207. culture, (31) 834. culture—	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 836. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. calcium cyanamid, (30) 26; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641. double, fertilizing value, (34) 35. double, preparation, (29) 319; (33) 220. drilling v. broadcasting, (31) 123. effect on— asparagus roots, (28) 236.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, precipitating serum from protein of, (28) 301. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. Sunflowers— analyses, (27) 68. as affected by lithium salts, (28) 526. forage crop, (40) 242. silage crop, (38) 74; (40) 332, 431. soiling and silage crop, (40) 429. source of potash, (38) 207. culture, (31) 834. culture— and use, (27) 68. experiments, (35) 228; (37) 332, 730; (39) 437.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 836. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. calcium cyanamid, (30) 26; (33) 25. crumbing, (30) 792. gaseous ammonis, (35) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641. double, fertilizing value, (34) 35. double, preparation, (29) 319; (33) 220. drilling v. broadcasting, (31) 123. effect on— asparagus roots, (28) 236. availability of soil potash, (32) 126. carnations, (36) 446.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, precipitating serum from protein of, (28) 301. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. Sunflowers— analyses, (27) 68. as affected by lithium salts, (28) 526. forage crop, (40) 242. silage crop, (38) 74; (40) 332, 431. soiling and silage crop, (40) 429. source of potash, (38) 207. culture, (31) 834. culture— and use, (27) 68. experiments, (35) 228; (37) 332, 730; (39) 437.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superior Gouncil of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. culcium cyanamid, (30) 26; (33) 25. crumbing, (30) 722. gaseous ammonia, (36) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641. double, fertilizing value, (34) 35. double, preparation, (29) 319; (33) 220. drilling v. broadcasting, (31) 123. effect on— asparagus roots, (28) 236. availability of soil potash, (32) 126. carnations, (36) 446. composition of cereals, (37) 827.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, predipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. Sunflowers— analyses, (27) 68. as affected by lithium salts, (28) 526. forage crop, (40) 242. silage crop, (38) 74; (40) 332, 431. solling and silage crop, (40) 429. source of potash, (38) 207. culture, (31) 834. culture— and use, (27) 68. experiments, (35) 228; (37) 332, 730; (39) 437, 835; (40) 230. for chicken feed, (38) 827.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 536. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. calcium cyanamid, (30) 26; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground cyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641. double, fertilizing value, (34) 35. double, preparation, (29) 319; (33) 220. drilling v. broadcasting, (31) 123. effect on— asparagus roots, (28) 236. availability of soil potash, (32) 126. carnations, (36) 446. composition of crasses. (32) 665.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, predipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. Sunflowers— analyses, (27) 68. as affected by lithium salts, (28) 526. forage crop, (40) 242. silage crop, (38) 74; (40) 332, 431. solling and silage crop, (40) 429. source of potash, (38) 207. culture, (31) 834. culture— and use, (27) 68. experiments, (35) 228; (37) 332, 730; (39) 437, 835; (40) 230. for chicken feed, (38) 827.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superior Gouncil of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to burnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. calcium cyanamid, (30) 28; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641. double, fertilizing value, (34) 35. double, preparation, (29) 319; (33) 220. drilling v. broadcasting, (31) 123. effect on— asparagus roots, (28) 236. availability of soil potash, (32) 126. carnations, (36) 466. composition of grasses, (32) 685. composition of prarier grass, (31) 864.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427. precipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. Sunflowers— analyses, (27) 68. as affected by lithium salts, (28) 526. forage crop, (40) 242. silage crop, (38) 74; (40) 332, 431. soiling and silage crop, (40) 429. source of potash, (38) 207. culture, (31) 334. culture— and use, (27) 68. experiments, (35) 228; (37) 332, 730; (39) 437, 835; (40) 230. for chicken feed, (38) 827. for oil, (28) 434. for seed, (37) 230.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superior Gouncil of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to burnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 816; (36) 325. calcium cyanamid, (30) 28; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641. double, fertilizing value, (34) 35. double, preparation, (29) 319; (33) 220. drilling v. broadcasting, (31) 123. effect on— asparagus roots, (28) 236. availability of soil potash, (32) 126. carnations, (36) 466. composition of grasses, (32) 685. composition of prarier grass, (31) 864.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, precipitating serum from protein of, (28) 801. slage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 321. studies, (40) 322. studies, (40) 324. Sunflowers— analyses, (27) 68. as affected by lithium salts, (28) 526. forage crop, (40) 242. sliage crop, (38) 74; (40) 332, 431. solling and sllage crop, (40) 429. source of potash, (38) 207. culture, (31) 834. culture— and use, (27) 68. experiments, (35) 228; (37) 332, 730; (39) 437, 835; (40) 230. for chicken feed, (38) 827. for oil, (28) 434. for seed, (37) 230. on moorland, (30) 229.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 516; (36) 325. calcium cyanamid, (30) 28; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641. double, preparation, (29) 319; (33) 220. drilling v. broadcasting, (31) 123. effect on— asparagus roots, (28) 236. availability of soil potash, (32) 126. carnations, (36) 446. composition of grasses, (32) 665. composition of prairie grass, (31) 864. composition of graen manure, (31) 7 8 4 decomposition of sprairie grass, (40) 21 decomposition of green manure, (31) 7 8 decomposition of green manure, (31) 7 8 decomposition of green manure, (31) 7 8 decomposition of sprairie grass, (40) 21
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, predipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. sunflowers— analyses, (27) 68. as affected by lithium salts, (28) 526. forage crop, (40) 242. silage crop, (38) 74; (40) 332, 431. soiling and silage crop, (40) 429. source of potash, (38) 207. culture, (31) 834. culture— and use, (27) 68. experiments, (35) 228; (37) 332, 730; (39) 437, 835; (40) 230. for chicken feed, (38) 827. for oil, (28) 434. for seed, (37) 230. on moorland, (30) 229. under dry farming, (30) 435. elongation of hypocotyl, (28) 39, 739.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 516; (36) 325. calcium cyanamid, (30) 28; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641. double, preparation, (29) 319; (33) 220. drilling v. broadcasting, (31) 123. effect on— asparagus roots, (28) 236. availability of soil potash, (32) 126. carnations, (36) 446. composition of grasses, (32) 665. composition of prairie grass, (31) 864. composition of graen manure, (31) 7 8 4 decomposition of sprairie grass, (40) 21 decomposition of green manure, (31) 7 8 decomposition of green manure, (31) 7 8 decomposition of green manure, (31) 7 8 decomposition of sprairie grass, (40) 21
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, precipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stemis, utilization, (40) 242. Sunflowers— analyses, (27) 68. as affected by lithium salts, (28) 526. forage crop, (40) 242. silage crop, (40) 242. silage crop, (38) 74; (40) 332, 431. soiling and silage crop, (40) 429. source of potash, (38) 207. culture, (31) 834. culture— and use, (27) 68. experiments, (35) 228; (37) 332, 730; (39) 437, 835; (40) 230. for chicken feed, (38) 827. for oil, (28) 434. for seed, (37) 230. on moorland, (30) 229. under dry farming, (30) 435. elongation of hypocotyl, (28) 39, 739. fertilizer experiments, (26) 129; (36) 626.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 516; (36) 325. calcium cyanamid, (30) 28; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641. double, preparation, (29) 319; (33) 220. drilling v. broadcasting, (31) 123. effect on— asparagus roots, (28) 236. availability of soil potash, (32) 126. carnations, (36) 446. composition of grasses, (32) 665. composition of prairie grasse, (31) 864. composition of green manure, (31) 7 8 4 decomposition of spanse, (30) 829, (32) 126. gramination of spanse, (30) 829, (32) 129. gramination of spanse, (32) 829, (33) 729.
effect on milk and butter, (34) 570. effect on milk production and quality, (26) 476. for cows, (29) 577. seed— distribution of nitrogen in, (36) 269 meal, analyses, (30) 268; (31) 864; (33) 870. oil, analyses, (36) 803. oil, detection, (29) 613. Swedish, studies, (40) 533. seeds— betains in, (27) 203. formation of oil in, (32) 427, predipitating serum from protein of, (28) 801. silage— analyses and use, (40) 470. for cows, (39) 182. notes, (37) 230. studies, (40) 331. stems, utilization, (40) 242. sunflowers— analyses, (27) 68. as affected by lithium salts, (28) 526. forage crop, (40) 242. silage crop, (38) 74; (40) 332, 431. soiling and silage crop, (40) 429. source of potash, (38) 207. culture, (31) 834. culture— and use, (27) 68. experiments, (35) 228; (37) 332, 730; (39) 437, 835; (40) 230. for chicken feed, (38) 827. for oil, (28) 434. for seed, (37) 230. on moorland, (30) 229. under dry farming, (30) 435. elongation of hypocotyl, (28) 39, 739.	sun's— atmosphere, convection in, (35) 419. rays, absorption and utilization of energy from by animals, (31) 661. rays, distribution in forests, (30) 45. Sunshine— effect on protein content of wheat, (30) 636. intensity, method for approximating, (38) 629. measurement, (33) 717. recorders, comparison, (38) 210. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superior Council of Agronomic Stations and Laboratories in France, (40) 99. Superphosphate— addition to barnyard manure, (33) 829. analyses, (28) 627; (39) 222. as affected by— ammonium sulphate, (28) 818. calcium carbonate, (26) 428; (35) 516; (36) 325. calcium cyanamid, (30) 26; (33) 25. crumbing, (30) 722. gaseous ammonia, (35) 519. ground oyster shells, (36) 821. liming, (39) 119. as preservative for liquid manure, (31) 422. as winter spray for fruits, (30) 641. double, preparation, (29) 319; (33) 220. drilling v. broadcasting, (31) 123. effect on— asparagus roots, (28) 236. availability of soil potash, (32) 126. carnations, (36) 446. composition of grasses, (32) 665. composition of prairie grass, (31) 864. composition of graen manure, (31) 7 8 4 decomposition of sprairie grass, (40) 21 decomposition of green manure, (31) 7 8 decomposition of green manure, (31) 7 8 decomposition of green manure, (31) 7 8 decomposition of sprairie grass, (40) 21

Superphosphate—Continued.	Superphosphate—Continued.
effect on-continued.	use on peat soils, (37) 135; (38) 132, 433. on red soils, (32) 723.
maturity of cotton, (31) 39, 136. nitrification in soils, (28) 218.	on red solls, (32) 723.
nitrogen content of soils, (36) 321; (38) 213.	utilization by oats and lupines, (31) 733. utilization in different soils, (30) 221.
quality of sugar beets. (28) 44.	v. rock phosphate, (35) 520.
quality of sweet potatoes, (31) 437. resistance of grain to hall, (30) 519.	V. rock phosphate for cotton and corn, (33) 32.
root system of heets, (35) 23.	valuation, (26) 311. vunasse as a fertilizer, (31) 125.
root system of bects, (35) 23. soil acidity, (35) 22; (37) 23; (38) 620. soil bases, (37) 126.	Supple jack as lignum vitae substitute, (40) 640
Soli Dases, (37) 120.	Suppurative lesions in horses and calves, (34) 186.
sulfolying power of soils, (37) 119. the eye, (31) 29	Suprarenal—
tobacco (33) 733.	bodies, cholesterol content during muscular work, (31) 465.
enriched, from precipitated phosphate, (34) 330.	glands—
fertilizing value, (26) 133, 230, 329, 330, 426, 530, 537, 538, 622, 630, 635, 639, 817, 833, 838; (27) 32,	action in sex determination, (26) 773.
137, 234, 325, 337, 338, 429, 434, 530, 538, 638, 738	offect on antitoxins, (30) 479.
832, 834; (28) 431, 721, 737, 816; (29) 31, 137, 228, 310, 330, 335, 336, 418, 519, 624, 632, 635, 737, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829, 831; (30) 25, 126, 126, 126, 126, 126, 126, 126, 126	effect on growth, (28) 571. of domestic animals, anatomy and histology,
831; (30) 25, 126, 230, 437, 530, 636, 820, 821, 829,	(28) 778.
835, 839; (31) 37, 40, 139, 530, 630, 738, 820, 823,	Suprarenin, use against milk fever, (20) 580.
828, 834: (34) 22, 25, 330, 518, 519, (35) 22, 220	Suptol-burow, use against swine plague, (26) 88, (28) 682; (30) 586.
835, 839; (31) 37, 40, 139, 530, 630, 738, 820, 823, 829; (32) 323, 518, 629, 831; (33) 319, 722, 723, 829; (32) 323, 518, 629, 831; (33) 519, 722, 723, 825, 834; (34) 22, 25, 330, 518, 519; (35) 22, 220, 428, 532, 535, 536, 629, 724; (36) 23, 230, 332, 425, 437, 696, 725, 738, 390, 821, 820, 821, 820, 821, 820, 821, 821, 920, 821, 821, 920, 821, 821, 920, 821, 821, 920, 821, 821, 921, 921, 921, 921, 921, 921, 921, 9	Surface area and gaseous exchange, relation, (31) 562.
437, 626, 735, 738, 820, 821, 829, 833; (37) 29, 214, 228, 426, 449, 521, 534, 535, 540, 729, 731, 743, 823,	Surface caterpillar, notes, (32) 58.
225, 425, 449, 521, 534, 535, 540, 729, 731, 743, 823, 831: (38) 131, 230, 233, 325, 326, 519, 534, 619	Surgery— experimental, studies, (31) 277.
625, 634, 817, 825; (39) 22, 25, 32, 118, 127, 217,	papers on, (29) 676.
220, 227, 242, 327, 335, 421, 427, 434, 435, 436, 446,	veterinary, handbook, (27) 377.
831; (38) 131, 230, 233, 325, 328, 519, 534, 619, 625, 634, 817, 825; (38) 22, 25, 32, 116, 127, 217, 220, 227, 242, 327, 335, 421, 427, 434, 435, 436, 446, 528, 529, 530, 537, 540, 623, 625, 737, 745, 818, 843; (40) 218, 242, 332, 429, 439, 515, 633, 723, 732, 732, 732, 732, 733, 734, 735, 735, 735, 735, 735, 735, 735, 735	Surra—
733, 828.	immunity to, (29) 379. in camels, treatment, (32) 83, 184, 581.
for acid soils, (39) 115, 326.	notes, (27) 884.
asparagus, (28) 339. carnations and roses, (29) 840.	transmission by—
corn, (32) 732.	blood-sucking insects, (26) 150. insects, (28) 756; (31) 777.
cranberries, (34) 150.	stable flies, (29) 760.
grass lands, (29) 530; (33) 527. Missouri soils, (33) 212, 213, 214, 215	Tabanus striatus, (30) 253.
car lastines and toses, (28) 640. corn, (32) 732. cranberries, (34) 150. grass lands, (29) 530; (33) 527. Missouri soils, (33) 212, 213, 214, 215. moor soils, (38) 438. orchards, (36) 41. pastures, (36) 735.	treatment, (29) 176, 883.
orchards, (36) 41.	Surveying— agricultural, laboratory manual, (30) 888.
pastures, (36) 735.	18III, 110tes, (32) 333.
peaty pastures, (36) 425, 740, sweet potatoes, (33) 337. wheat in New South Wales, (35) 219.	forest, textbook, (26) 844.
wheat in New South Wales, (35) 219.	Sus scrofa, notes, (27) 871. Susceptibility, paper on, (27) 576. Susza cake, analyses, (27) 570.
wheat in semiarid conditions, (34) 519. from phosphorites, (36) 122, 727.	Susza cake, analysos, (27) 570.
in mixed fertilizers, (32) 527.	Sutherlandia frutescens, culture experiments, (30) 632.
industry—	Swallows—
in Austria-Hungary, (33) 822. in Great Britain, (39) 523.	cliff, destruction of locusts by, (28) 351.
in Russia, (26) 693.	food habits, (38) 856.
10SS from Solls, (29) 211.	nests, edible, analyses, (30) 258. Swammerdamia castaneae n.sp., description, (33)
manufacture, (29) 418; (31) 725; (32) 323; (33) 126; (34) 329, 724.	655.
manufacture from Russian phosphorites, (27)	Swamp bay, analyses, (20) 612. Swamp fever—see also Anomia, infectious. in horses, (26) 287, 881; (38) 689, 788.
manufacture in Southern States, (27) 22.	in horses (28) 287 981- (28) 890 798
mixing with—	horses, transmission, (30) 687; (32) 754; (37)
basic slag and rock phosphates. (37) 816.	374
calcium cyanamid, (29) 24; (31) 822. calcium nitrate, (29) 214.	New 10rk, (34) 280; (36) 676. United States (37) 274
limestone, (34) 26.	studies, (31) 177; (34) 185; (35) 80.
limestone, (34) 26. niter-cake, (40) 221, 515.	New York, (34) 280; (36) 676. United States, (37) 274. studies, (31) 177; (34) 185; (35) 80. transmission, (39) 162.
of ammonia, new fertilizer, (40) 127. ammonia, use on calcareous soils, (32) 622.	swamp
lime, analyses, (33) 723.	lands— drainage, (30) 588; (35) 286.
UTILE, RITERT ON MOTEN MONTO (90) 591	improvement. (31) 516.
on DeKalb soils, (39) 22. preparation, (37) 322; (40) 725, 801.	in Bavaria, (32) 812.
preparation with—	reclaimed, fodder crops on, (40) 231. reclamation, (27) 890; (29) 182; (31) 516, 783;
creamery waste sulphuric acid, (40) 18.	(32) 884; (34) 527; (40) 231.
sulphur dioxid and chlorin, (27) 521. prepared with synthetic nitric acid, fertilizing	treatise, (29) 890.
value, (83) 25.	meadows, water table, (40) 211, rose mallow, insects affecting, (40) 754, soils—
production—	DOZE
and use in 1911, (29) 213. in 1917, (39) 824.	drainpipe deposits in. (31) 721.
on the farm, (39) 118, rational use, (28) 124.	fertilizer tests on, (26) 323; (27) 32. judging, (36) 117.
rational use, (28) 124.	of eastern United States, (27) 618.
residual effects, (26) 428; (37) 23, reversion, (38) 122; (39) 521.	of eastern United States, (27) 618. rice, gases, (30) 515; (33) 216; (36) 116; (37) 424; (39) 517.
secondary and subsidiary effects, (30) 26.	Irom drainage and cuitivation.
solubility in mineral and organic acids, (38) 423. technology and chemistry of, (36) 726.	(30) 12
USE agninst tobacco root rot. (36) 32.	sponge spicules in, (27) 622. Vegetation as indicator of quality, (40) 718.
in Hungary, (30) 222. in war time, (38) 723. on pastures, (26) 437.	waters, effect on plants and blocolloids, (40) 520.
on pastures. (26) 437	Swans, reproductive organs of, (26) 876.
	Sweat, secretion, salt content, and reaction, (26) 766.

Swede	Sweet clover—Continued.
club root, notes, (36) 541.	culturecontinued.
diseases, notes, (32) 544.	under dry farming, (31) 429; (33) 632; (34)
finger-and-toe disease, treatment, (26) 630; (29) 752.	734; (36) 529.
midge in Yorkshire, (34) 453.	under irrigation, (34) 528.
midge, life history and remedies, (28) 355.	digestibility, (39) 171. effect on yield of sugar beets, (29) 137.
midge, life history and remedies, (28) 355. Phoma rot, notes, (29) 547.	eradication, (37) 540.
roots, decomposition in soil, (40) 214.	fertilizer experiments, (26) 631.
seeds in Denmark, (37) 742. silage, analyses, (29) 367.	geographical distribution, (26) 335.
Swedes—	hay, analyses, (33) 469. hay, feeding value, (40) 369. noculation, (33) 633; (34) 528; (35) 336; (36) 197; (38) 134; (40) 215.
analyses, (26) 767; (27) 469.	inoculation (33) 633: (34) 528: (35) 336: (36) 197:
and turnips, crosses between, root nodules of,	(38) 134: (40) 215.
(33) 848.	
as substitute for silage, (33) 41.	liming experiments, (35) 336; (39) 221.
cabbage-top affecting, (28) 355. culture, (28) 42.	manual, (29) 833.
culture—	liming experiments, (35) 336; (39) 221. manual, (29) 833. notes, (27) 37; (30) 341. nurse crop for, (39) 336. on alkali soil, (38) 18; (39) 135, 215. on corn belt forms (40) 242.
experiments, (27) 33; (28) 531; (33) 632; (36)	on alkali soil. (38) 118; (39) 135, 215.
experiments, (27) 33; (28) 531; (33) 632; (36) 436; (37) 228, 733; (39) 124; (40) 625, 731.	on com ben mins, (40) 242.
in Antigua, (40) 522.	on "slick spots", (39) 229.
in Rhodesia, (27) 32, 637. in South Dakota, (40) 32.	Sclerotium disease, experimental, (39) 753.
dry matter content, (26) 436.	seed, germination, (35) 826. seed, germination tests, (34) 630; (36) 638; (37)
effect on following crop. (40) 623.	540.
effect on milk and butter, (34) 570. electrical stimulation, (40) 428.	seed, harvesting, (38) 35.
electrical stimulation, (40) 428.	silage, chemistry of, (40) 10.
factors affecting composition, (38) 432. feeding value, (40) 768.	silage, 1-leucin in, (37) 802.
fertilizer experiments (28) 221 222 424 425	straw for livestock, (38) 36.
436, 535, 622, 629, 631, 632, 819, 837, (27), 32,	variaties (26) 631
fertilizer experiments, (26) 231, 232, 424, 425, 436, 535, 622, 629, 631, 632, 819, 837, (27) 32, 321, 530, 532, 535, 831, (28) 532, (29) 125, 632, 833; (30) 134, 435, 530; (31) 530; (33) 326; (34) 431; (36) 738; (37) 228; (39) 435. for horses, (32) 462.	utilization, (37) 444. varieties, (26) 631. varieties, foreign, (39) 338.
833; (30) 134, 435, 530; (31) 530; (33) 326; (34)	water requirements, (29) 826; (32) 127.
431; (36) 738; (37) 228; (39) 435.	water requirements, (29) 826; (32) 127. white v. yellow, (39) 229, 336. white, yields, (39) 333. wild, notes, (33) 729. yields, (37) 227.
for norses, (32) 462.	white, yields, (39) 333.
growth on starilized soils (31) 336	Wild, notes, (33) 729.
growth on volcanic ash. (32) 36.	Sweet corn—see also Corn.
green manuring experiments, (26) 536. growth on sterilized soils, (31) 336. growth on volcanic ash, (32) 36. manurial value of tops, (39) 836.	horer, imported, (39) 62.
mulching v. clean culture, (33) 534. protein of, (37) 410.	breeding experiments, (27) 528; (33) 31; (34) 144;
protein of, (37) 410.	(38) 445.
rapelike sports, (36) 541.	culture, (34) 41, 232.
rate of sowing tests, (27) 638. relation between size of seed and yield, (26) 434.	culture experiments, (30) 828; (35) 341; (37) 742. disease, description, (31) 745.
relative yielding capacity, (40) 625. resistance to club root, (33) 52. rotation experiments, (29) 227. seed production, (33) 226. seeding convertients, (20)	effect on succeeding grass crop, (33) 33.
resistance to club root, (33) 52.	electroculture experiments, (40) 147.
rotation experiments, (29) 227.	fortilizer and liming experiments, (39) 745.
seed production, (33) 226.	fertilizer experiments, (36) 839; (37) 522, 742.
	flintiness in, (27) 741. heredity of waxy endosperm in, (29) 35; (32)
susceptibility to mildew. (34) 52.	mulching v. clean culture. (33) 534.
varieties, (26) 436, 630, 631, 837; (27) 32, 141,	mulching v. clean culture, (33) 534, papago, investigations, (34) 232.
sulphur in, (31) 817. susceptibility to mildew, (34) 52. varieties, (26) 436, 630, 631, 837; (27) 32, 141, 736; (30) 134; (31) 829; (32) 528; (33) 33, 34, 631; (34) 865; (36) 637; (37) 227. variety tests, (39) 336, 435, 634.	pollination studies, (34) 233.
631; (34) 865; (35) 637; (37) 227.	preservation by freezing, (39) 344.
vitality of seed, (27) 740.	respiration and catalase activity, (39) 524. Stewart's disease, studies, (40) 846.
water requirements in India, (27) 429.	suckering experiments, (36) 838.
yield as affected by time of thinning, (29) 431.	sugar content as affected by detasseling, (34)
yields, (39) 334; (40) 730, 734, 735.	434.
Swedish-	treatise, (34) 41.
Moor Culture Society, report, (26) 423, 817; (29) 516.	variation in, due to fertilizers, (29) 435. varieties, (29) 426; (31) 331; (35) 229; (38) 334.
seed improvement society, history and work,	variety tests, (40) 134.
(27) 437.	viability tests, (34) 145.
Sweep rake for hay harvesting, (38) 88.	Sweet orange oil, production, (36) 416.
Sweet clover—	Sweet pea— anthraenose, investigations, (26) 751; (28) 444.
analyses, (32) 171. analyses and agricultural value, (37) 831.	bacterial disease, studies, (33) 547.
as affected by calcium and magnesium, (35)	bacterial disease, studies, (33) 547. diseases, notes, (26) 47; (27) 354; (28) 750; (29)
726.	450, 650; (37) 155.
cover crop, (32) 332.	diseases, studies, (32) 446.
green manure, (38) 721; (39) 423.	growing clubs, notes, (28) 395.
hay crop, (37) 531. hog pasture, (39) 777; (40) 72, 75.	mosaic disease, notes, (36) 145. seedlings as test for hydrocarbons, (29) 132, 529.
hog pasture, (39) 777; (40) 72, 75. pasture crop, (39) 272; (40) 32, 330, 470.	seedlings as test for hydrocarbons, (29) 132, 529. streak diseases, notes, (27) 45; (29) 352.
sliage crop, (39) 134.	Sweet peas—
SOII TESCOTEL. (20) 001.	as affected by pruning, (29) 339.
winter cover crop, (40) 133.	as an indicator of gas in soils, (34) 243
bacteria as affected by acidity, (39) 722. culture, (31) 227; (32) 132, 431, 831; (33) 97; (34)	classification, (31) 443. culture. (37) 546.
630; (35) 33; (36) 828; (37) 540.	culture, (37) 546. culture, handbook, (26) 47.
culture-	eniture in greenhouses, (26) 740.
and trea (32) 231	cut, preservation, (31) 837.
experiments, (28) 735; (32) 132, 533; (35) 228, 528; (37) 140, 226, 435; (38) 334, 830.	cut, preservation, (31) 837. description and culture, (37) 346. fertilizer experiments, (26) 739.
for winter forage, (38) 735.	fungus disease allecting, (20) 551.
for winter forage, (38) 735. in Montana, (38) 136. and bills of Nebrosite (25) 897	growth as affected by potassium permanganate,
	(27) 621.
Washington, (40) 731.	handbook, (26) 139; (30) 534.

~	C	Sweet potatoes-Continued.
SW	et peas—Continued. large v. small seeds, (31) 634.	dried, beetle injurious to, (39) 565.
	mutation in. (40) 511.	drying in Hawaii, (39) 208.
	notes, (29) 299,	fertilizer experiments, (29) 637; (30) 525; (31)
	notes, (29) 299. red spider on, (39) 65. regues in, (28) 238; (29) 239.	fertilizer experiments, (29) 637; (30) 525; (31) 437, 829; (32) 217; (33) 336; (35) 337, 736; (37) 635, 823; (39) 434; (40) 230, 515.
	rogues in, (28) 238; (29) 239.	635, 823; (39) 434; (40) 230, 515.
	studies, (28) 641; (31) 413. treatise, (32) 339; (31) 238; (36) 643; (37) 546.	formation of sugar and starch in, (27) 435.
	reatise, (32) 339; (31) 238; (30) 643; (37) 546. varieties, (34) 345.	Fusaria affecting, (31) 544.
	vitality of pollen, (29) 326.	harvesting and storing, (38) 136, harvesting time, (38) 638.
Sw.	ect potato—	Hawaiian, analyses, (39) 208.
U *** ·	black rot, notes, (30) 150.	Hawaiian, analyses, (39) 208. improvement, (28) 736.
	black rot, studies, (39) 854.	insects affecting, (33) 153; (39) 556; (40) 259.
	borer, see Cylas formicarius and Sweet potato	manual, (32) 41.
	weevil.	nature of sugars in, (33) 564. notes, (26) 362; (39) 745. production in United States, (26) 293.
	diseases, (40) 158.	notes, (26) 362; (39) 715.
	diseases—	Origina names of (25) 190
	and pests in Cuba, (38) 537.	Quichua names of, (35) 129. reducing and nonreducing sugars in, (29) 503.
	distribution and prevalence, (33) 743. in Indiana, (32) 343.	respiration experiments (34) 426.
	new or little known, (31) 447; (32) 51.	respiration experiments, (34) 420. selection experiments, (33) 235. slips v. cuttings, (39) 520. starch content, (35) 108.
	notes, (30) 349; (35) 49; (36) 451; (39) 52,850.	slips v. cuttings, (39) 529.
	studies, (34) 156.	starch content, (35) 108.
	treatment, (37) 249.	storage, (31) 430; (30) 440; (39) 127, 538, 742, 770;
	dry rot, studies, (28) 548; (29) 153.	(40) 864.
	flour, starch, and sugar, making and uses, (40) 267.	Storage—
		and marketing, (28) 535; (29) 635, experiments, (26) 637; (35) 337, rots, (30) 642, 854; (40) 347.
	foot rot, studies, (30) 351. growers' association in North Carolina, (32) 489.	rots (39) 642 854: (40) 347
	haulms, analyses and digestibility, (32) 259.	termite injury, (40) 260.
	leaf folder, studies, (38) 465.	transportation regulations, (30) 346.
	leaf folder, studies, (38) 465. pox or pit, studies, (39) 456.	uses of, (28) 395.
	DOX, relation to himing, (39) 127.	Varieties, (26) 436, 534, 733; (27) 233; (28) 828; (29) 637; (30) 525; (31) 436, 732, 829; (32) 227; (33) 235, 535; (34) 431; (35) 134, 337, 735; (38)
	ring rot, causative agent, (26) 748. root borer, notes, (33) 59; (37) 256; (38) 864.	(29) 637; (30) 525; (31) 436, 732, 829; (32) 227;
	root disease and white rust, (37) 452.	(33) 23n, 33n; (34) 431; (30) 134, 337, 730; (88) 33, 335, 748.
	root weevil, notes, (38) 467, 564; (39) 461.	varieties—
	root weevil, notes, (38) 467, 564; (39) 461. rots, notes, (26) 637.	for Porto Rico, (40) 44.
	rots, treatment, (28) 849.	in Cuba, (38) 537.
	scarabee, notes, (37) 256.	resistant to stem rot, (31) 444.
	scuri, investigations, (34) 646, 747.	Variety tests, (39) 519; (40) 228, 522.
	shage, feeting value, (39) 477, 482.	Sweet tussock, production and use, (40) 442.
	rots, treatment, (28) 849. scarabee, notes, (37) 256. scurf, investigations, (34) 646, 747. silage, feeding value, (39) 477, 482. silage for cows, (37) 683, (38) 876. skins, analyses, (38) 626. soil rot or pox, (38) 644.	Sweet tussock, production and use, (40) 442. Sweetbreads, creatin and creatinin content, (31) 760.
	soil rot or pox. (36) 544.	Sweetmeats, manufacture, treatise, (29) 264. Swietenia—
	soil stain and pox, studies, (33) 347. sphinx, notes, (31) 550. starch, laundry test, (27) 435.	macrophylla, experimental plantings, (38) 749
	sphinx, notes, (31) 550.	macrophylla, tests, (33) 536.
	starch, laundry test, (27) 435.	macrophylla, tests, (33) 536. spp., studies, (36) 745. Swine—see also Pigs.
	stem rot, causative agent, (29) 647.	Swine—see also Pigs.
	stem rot, notes, (32) 50.	avian tuberculosis in, (40) 185.
	stem rot, studies, (32) 844. storage—	B. suipestifer in intestines, (39) 188, bacterial infections in, (40) 783.
	house, construction, (31) 138, 436.	pacterial injections in, (40) 783.
	rots, studies, (36) 250.	color inheritance in, (40) 870. corpus luteum of pregnancy, (40) 663.
	rots, treatment, (31) 437.	diseases, differential diagnosis, (39) 589.
	tubers, anatomy, (36) 223.	erysipelas
	unders, character, (33) 27.	bacilli, action of organic body fluids on, (35)
	vine hay, analyses, (31) 437.	884.
	vines, circulation in, (30) 343. weevil—see also Cylus formicarius.	bacilli, action of salvarsan on, (39) 590
	new. (39) 565.	diagnosis, (27) 86, 883. immunization, (40) 385.
	new, (39) 565. notes, (28) 158; (33) 554; (34) 65; (38) 864; (39) 150; (40) 259, 200. small, notes, (33) 563. studies, (40) 357.	in Great Britain (24) 320
	(39) 150; (40) 259, 260.	in Great Britain, (31) 382. man, (27) 833; (39) 590.
	small, notes, (33) 563.	Portugal, (36) 280.
٥	' Studies, (40) 357.	Prussia, (27) 181.
D W	eet potatoes	natural immunity in, (35) 381.
	analyses, (27) 435; (28) 459; (32) 41; (33) 568. as affected by chemicals, (32) 538.	fever—
	as 100d, (36) 560.	control in England, (36) 275. immunization, (33) 183.
	as silage crop, (31) 732.	in Great Britain, (26) 288; (36) 378.
	as silage crop, (31) 732. ash analyses, (29) 861.	notes, (26) 373; (37) 279.
	carponydrate metabolism, (39) 732.	pathology and epidemiology, (36) 85.
	carbohydrate transformations in, (34) 522.	serum treatment, (40) 783.
	changes during latter part of growth, (38) 637.	studies, (26) 678; (31) 884; (32) 881; (35) 78,
	changes during storage, (32) 633. circulation in, (27) 731; (34) 135.	884. treatment, (35) 379.
	critical period of growing season, (39) 811.	oestrus and ovulation in, (40) 063.
	culture, (29) 536; (33) 636; (36) 638; (40) 738.	parasites of (39) 891.
	culture—	parasites of, (39) 891. plague, (40) 183.
	and storage, (31) 138; (32) 527; (37) 297. and use, (40) 763.	plague-
	and USE, (40) (00.	and hog erysipelas, relation, (31) 483.
	(31) 436, 829; (33) 31, 227; (38) 338; (40)	auto-infection in, (34) 279.
	experiments, (28) 231; (29) 637; (30) 229; (31) 436, 829; (33) 31, 227; (38) 336; (40) 230, 231, 434.	bacterium, opsonic power of serums against, (27) 285.
	in Arkansas, (35) 139.	confusion with tuberculosis in hogs, (31)
	in Arkansas, (35) 139. cotton belt, (32) 740. Cubs, (38) 557.	483
	Ouba, (38) 537.	immunization, (26) 184, 289, 578, 676; (27)
	Finisprines, (26) 361; (40) 231.	290, 482, 887; (28) 285, 682.
	Philippines, (26) 361; (40) 231. Rhodesia, (27) 32, 637. (Texas, 3 6) 440.	immunization, (26) 184, 289, 578, 676; (27) 290, 482, 887; (28) 285, 682. in Prussia, (27) 181. notes, (26) 373; (40) 788.
	4 - 44 - 10 - 10 - 10 - 10 - 10 - 10 - 1	Hotes, (26) 8/8; (40) 783.
	treatise, (35) 232.	relation to hog cholera, (26) 383

Swine-Continued.	Syntexis libocedrii n.g. and n.sp., description, (34)
plague—continued.	364.
studies, (28) 682.	Synthetocaulus spp., notes, (30) 285.
treatment, (26) 88, 587; (30) 586. vaccines, tests, (31) 183.	Syntomaspis— amelanchieris n.sp., description, (40) 656.
pox in young pigs, (32) 379.	druparum, see Apple seed chalcid.
relation of breed and age to prolificacy, (40) 770.	myrtacearum n.sp., description, (37) 59.
salt poison in, (40) 684.	Syphaerophoria cylindrica, notes, (28) 251.
vaccination, after-effects, (39) 392.	Syphilis—
Swiss chard— as forage crop, (28) 267; (31) 137.	diagnosis, (35) 180. in rabbits, treatment, (31) 284.
for dairy cows, (31) 771.	rôle of specific fats in complement fixation,
Sword beans-	(39) 80
as cover crop, (31) 635.	Syphilitic serum, toxicity toward guinea pigs, (35)
culture experiments, (27) 233, 841.	180.
culture in Porto Rico, (29) 631.	Syritta pipiens, notes, (36) 460. Syrphid—
description, (30) 828. notes, (23) 838.	fly, breeding and colonizing, (31) 756.
Sycamore—	fly, economic importance, (40) 356.
blight, notes, (34) 56.	larvae, mylasis due to, (39) 287.
coccus, notes, (30) 53.	Syrphidae—
lace-bug, studies, (38) 359.	defertilization of flowers by, (39) 734. early spring, in California, (38) 863.
maple, forcing experiments, (28) 435. Sycamores, wood structure, (39) 50.	in California. (36) 56.
Sycophaga nota n.sp., description, (30) 55.	in California, (36) 56. life histories, (26) 349; (28) 254.
Sycoryctes philippinensis n.sp., description, (30) 55.	notes, (36) 255, 553.
Sylepta derogata, notes, (28) 654.	of District of Columbia, (37) 57.
Sylepta sp., notes, (30) 752.	of Maine, (36) 460; (38) 362. of Ohio, (30) 552.
Sylvanus, see Silvanus. Sylvalagus nuttalli, host of spotted fever tick, (26)	Syrphophagus mesograptae, notes, (31) 758.
	Syrphus—
64. Sylvin, effect on coherence of soils, (31) 123.	americanus, destructive to citrus plant lice,
Symbiosis—	(26) 755.
and parasitism, differentiation, (28) 35.	americanus, life history, (28) 254.
bacterial, in Rubiaceae, (32) 327. in autummal leaves, (37) 327.	fly, corn-feeding, life history, (34) 358. fly, predactous on freghopper nymphs, (30) 457.
review of literature, (28) 130.	knahi, life history. (38) 362.
Symbiotes—	knabi, life history, (38) 362. oronoensis n.sp., life history, (38) 362.
action on constituents of fat. (40) 464.	spp. parasitic on rose aphis, (31) 250.
and vitamins, similarity, (40) 363.	xanthostoma, life history, (29) 456.
as agents of ketonization, (40) 464.	Syssphingina, origin, (32) 850. Systates irregularis, notes, (29) 853.
Symbombycina, origin, (32) 850.	Systellogaster ovivora n.g. and n.sp., description,
Symoothis oxyacanthella, hymenopterous parasite of, (26) 658.	(38) 165.
Sympha agromyzae n.sp., description, (30) 855.	Systena—
Sympherta mnemonicae n.sp., description, (32) 852.	basalis, notes, (37) 256.
Symphoromyia attacking man, (34) 554.	spp., notes, (29) 701. taeniata, notes, (35) 51.
Symphytum—	Tabanidae—
asperrimum, culture and composition, (32) 631. officinale, cell proliferant of, (26) 580.	greenish blood of, (29) 54.
Symplesis—	larvae, rearing, (38) 60. of Australia and Tasmania, (26) 456.
agromyzae n.sp., description, (31) 355.	of Australia and Tasmania, (26) 456.
agromyzae n.sp., description, (31) 355. ancylae n.sp., description, (38) 661.	British Columbia, (32) 551.
felti n.sp., description, (26) 353.	District of Columbia, (40) 757. Saskatchewan, (39) 661.
n.spp., descriptions, (30) 661.	oriental species, revision, (27) 359.
sericeicornis, studies, (28) 560. stigmatiponnis, notes, (36) 655.	Tabanus—see also Gadfiy.
Symplesomorphelieus bicoloriceps n.sp., descrip-	americanus, notes, (40) 263.
tion. (36) 259.	collecting larvae, (40) 757.
Symptomatic anthrax, see Blackleg.	ignotus injurious to rice, (33) 555. mexicanus, notes, (36) 553.
Symvalouus-	narasitic flagellates of. (26) 84.
albasiphus n.sp., description, (31) 754. americanus n.sp., description, (40) 262.	relation to swamp fever, (39) 162. spp. as anthrax carriers, (39) 161.
Synaldis incisa n.sp., description, (27) 60.	spp. as anthrax carriers, (39) 161.
	striatus, biology, (30) 253.
pictipes, life history, (32) 349. pictipes, notes, (36) 519.	striatus, relation to anthray, (30) 780; (31) 776. striatus, relation to surra, (30) 253; (31) 777. Tabebuia spectabilis, notes, (40) 44.
pictipes, notes, (36) 519.	Tabebuia spectabilis, notes, (40) 44.
pictipes, studies, (37) 159. (Sesia) goliformis, notes, (38) 762.	Table d'hôte meals, economy, (39) 67.
Syncarpia laurifolia, strength and elasticity tests,	Table d'hôte meals, economy, (39) 67. Table furnishings, origin and development, (31) 856.
(27) 43.	Tadosa grass—
Synchytrium—	digestibility, (31) 863.
endobloticum-	hay, mineral constituents, digestibility, (40)
host plants, (37) 753. notes, (28) 243; (30) 845; (31) 149; (32) 342;	Techardia lacco
(33) 846, 849, 850; (40) 847.	culture in India, (28) 654.
stridies. (27) 351; (34) 844.	notes, (26) 218.
solani, notos, (30) 47- spp., studies, (28) 844-	studies, (35) 463, 659.
spp., studies, (28) 844.	Tachina—robusta, notes, (31) 752.
transfer of Corventini Velas Lu. (20) 041.	spn., parasitic in arthropods, (39) 655, 659.
Syneta albida, notes, (32) 651; (35) 364; (36) 58. Syngamus—	spp., parasitic on gipsy moun, (31) 102.
bronchiells notes (39) 892.	Tachinid-
Jaryngene from cattle in Philippines, (33) 254-	flies, studies, (26) 860. parasite with intracuticular stage, (33) 157.
Synoptic charts, daily, of the northern memisphere,	species, nonintentional dispersal by man, (35)
(31) 213.	259.
Synovitis of coronary joint, treatment, (30) 185.	Tachinidae—
Synoxylon basilare— on pecan, (39) 557.	Canadian hosts, (29) 358.
studies, (31) 852.	new, from North America, (36) 255.

```
Tankage—sce also Garbage, tunkage, amino acid in, (33) 665, analyses, (26) 325, 468; (27) 68; (28) 265, 464, 572, 6927, 769; (29) 270, 367, 626; (30) 68, 169, 565; (31) 73, 168, 624, 663; (32) 169, 465, 667; (33) 371, 568, 665; (34) 263, 371, 467, 566; (35) 562, 867; (36) 65, 268, 667, 765; (37) 268, 471, 767; (38) 67, 368, 369; (30) 70, 270, 370; (40) 72, 571
  Tachinidae—Continued.

new nocturnal species, (34) 360.

new species from New England, (35) 259.

of New England, (37) 763.

of North America, notes, (27) 457; (40) 653.

of Quebec, (32) 757.

Tachinophyto (Hypostena) sp., parasitic on sugar cane borer, (34) 753.
                                                                                                                                                                                                                                                                571.
as fertilizer, (31) 323.
as fertilizer, analyses, (39) 222.
    Taenia-
                   nnia—
crassicollis affecting rats, (29) 755.
echinococcus in sheep liver, (39) 283.
expansa, infestation of lumbs by, (37) 374.
expansa, life cycle, (39) 162.
hydatigens, notes, (28) 681.
krabbei affecting reindeer, (27) 182.
mergunata in liver of swine, (37) 477.
erris, notes, (20) 887.
                                                                                                                                                                                                                                                           as lertilizer, (34) 323.

as lertilizer, analyses, (39) 222,
ash analyses, (29) 861.

availabity of natiogen in, (26) 124; (27) 723;

(28) 724; (35) 426.

blood, analyses, (34) 371.

decomposition in soils, (36) 116.

digaster, analyses, (40) 665.

distribution of natrogen in, (36) 269.

effect on composition of wheat, (38) 518.

feeding value, (39) 275, 375, 478, 776, 779; (40)

72, 75, 278, 279.

fertilizer v. selected, for pigs, (29) 872

fertilizer v. selected, for pigs, (29) 872

fertilizer v. selected, for pigs, (29) 872

fortilizer v. selected, for pigs, (29) 872

fortilizer value, (28) 724, 725; (30) 436; (31)

124; (33) 432; (34) 129; (36) 818; (37) 540; (38) 422.

517; (99) 327, 328, 623.

for and soils, (36) 726.

for ocen-fed pigs, (38) 474.

for pigs, (38) 675.

high-grade, fertilizing value, (34) 219.

mitrification—

in acid soils, (30) 626.
                   pisiformis, development in kittens, (37) 603. pisiformis in cats, (40) 685.
                    ŝaginata-
  signato—
in a child, (33) 864.
studies, (29) 782.
transmission by flies, (38) 563.
spp., dissemination by flies, (30) 659.
struthionis, notes, (26) 487.
Taeniasis, human, relation to measles of domestic animals, (32) 271.
Technicorpus edia, notes, (28) 156.
  animals, (32) 271.
Taenicotampa alia, notes, (28) 156.
Taenicid cestodes of the dog, eat, and related carnivores, (37) 82.
Taeniolysins, presence in immune serums, (28) 375.
Taeniopteryx spp., studies, (39) 256.
Taeniots scalaris, notes, (30) 454.
                                                                                                                                                                                                                                              nurneauon—
in acid soils, (30) 626.
in soils, (26) 722; (39) 814.
production and use, (27) 327; (29) 517; (30) 126.
vegetable, analyses, (30) 270.
Tanks, construction, (30) 893.
   Taeniothrips-
 1 senoturips—
inconsequens, remedies, (38) 259.
inconsequens, studies, (40) 547.
pyrl, see Pear thrips.
Tagetes spp., cut, preservation, (31) 837.
Tagua palm, description and utilization, (30) 46.
Takadiastase—
                                                                                                                                                                                                                                               Tannaso.
                                                                                                                                                                                                                                                             enzym, formation, (27) 408; (30) 411.
formation in Aspergillus niger and Penicillium
spp., (29) 132.
                                                                                                                                                                                                                                 Tannery—
offluent, disinfection, (36) 180.
sowage, disinfection, (38) 784.
waste, analyses and use, (32) 421.
waste, disposal, (32) 790.
wastes, fortilizing value, (27) 210; (29) 120.
 Takadiastase—
action on digestive power of animals, (33) 569.
cleavage of organic acids by, (20) 503.
notes, (29) 609.
proteolytic activity, (30) 203.
Takas-koij, preparation and use. (32) 710.
Takosis in goots, (37) 477.
Talahib, notes, (26) 362.
Talc, relation to polyneuritis gallinarum, (29) 865.
Talc, use in confectionery, (33) 364.
Taliparamba Agricultural Station, report, (37) 343.
                                                                                                                                                                                                                                                             culture and use, (40) 763.
varieties, (36) 735; (38) 335.
variety tests, (40) 522.
   Tallow.
                                                                                                                                                                                                                                               Tannie acid-
 Tallow—
prices of in India, (30) 896.
production in United States, (40) 614.
wastes, fertilizing value, (29) 129.
Tallows, piant, of East Indies, (32) 201.
Talpa curopea, (coding habits, (31) 846.
Talus slopes, effect on conservation of snow, (29)
                                                                                                                                                                                                                                                             as protection for oak wood, (27) 654.
determination in tanning materials, (34) 508.
                                                                                                                                                                                                                                                             effect on
                                                                                                                                                                                                                                                                               action of alcohol on plant cells, (34) 333.
                                                                                                                                                                                                                                                            fungi, (28) 444.

fungi, (28) 444.

secretion of diastase by fungi, (31) 13.

fermentation, notes, (28) 203; (30) 410, 411.

relation to dry rol resistance to oak wood, (32)
  814.
Tamales, preparation, (27) 665.
Tamarack—
                                                                                                                                                                                                                                                          150.

nnin—
content of trees, notes, (27) 828.
determination in cider, (32) 207.
determination in cider, (32) 207.
determination in plant juices, (33) 310.
determination with casein, (28) 202.
distribution in plant juices, (33) 523.
distribution in plants, (28) 227.
effect on classinat blight fungus, (36) 149.
effect on soils, (36) 513.
extracts, preparation, (28) 146.
extracts, production from wood, (28) 50.
formation, relation to mitochondria, (29) 827.
humification, (38) 252.
essimilating organs of Leguminosae, (30) 227.
barloy seed coats, (27) 730.
esk heartwood, (34) 849.
Pacific coast trees, (34) 508; (38) 309.
persimmons, studies, (27) 228; (30) 602.
methods of analysis, (32) 314.
physiological significance, (38) 729.
plants, treatise, (36) 142.
presence and significance in plants, (34) 825.
relation to coloration of flowers, (28) 227.
substances in Maishar tea, (31) 114.
synthetic, notes, (30) 16.
                   for fence posts, (40) 744.
  unit stresses for, (36) 91.
Tamari-koji, fungi and composition of, (29) 161.
Tamarind sirup, manufacture and analyses, (38)
  Tamarindillo, culture, (34) 735.
Tamarinds, analyses and use, (30) 363.
Tamarisks, notes, (27) 528.
   Tamarix-
                 spp., notes, (27) 528.
usneoides, analyses and digestibility, (27) 872;
                           (32) 167
  Tan bark-
ashes, analyses, (38) 626.
reducing harshness of, (35) 317.
Tan extracts from mangrove, (40) 47.
Tan plants of Iowa, (29) 626.
Tanagers, development of stomach in, (32) 265.
Tanaomastix n.g., and n.sp., description, (40) 359.
 Tangelos-
                   descriptions and value in Florida, (40) 247.
                 paper on, (29) 839.
 Tangerine—
mildew, notes, (34) 649.
powdery mildew in southern California, (34)
447.
Tangier pea, culture experiments, (23) 532.
Tania—see also Tannia.
meal, analyses, (40) 173.
varieties, (26) 733; (27) 233.
                                                                                                                                                                                                                                                             synthetic, notes, (30) 16.
use in preparation of tea, (31) 114.
utilization by plants, (36) 329.
```

architecture preparation, (39) 18. materials—attin America, (38) 28. methods of analysis, (39) 29.7, methods of analysis, (39) 30.7, methods of analysis, (30) 50.7, and the fast indice, (30) 60.7, plants of Chile, (38) 36. substances, vegetable, methods of analysis, substances, vegetable, methods of analysis, (30) 813. Tamilias— methods of analysis, (39) 408. monocraph, (30) 311. proparation, (29) 482. monocraph, (30) 311. proparation, (29) 482. monocraph, (30) 311. proparation, (29) 482. Tans of New Zealand, (38) 309. Tray of New Zealand, (38) 309. Tans of New Zealand, (38) 309. Tans of New Zealand, (38) 309. Tay of the doc, (30) 791. Tay of the doc, (30) 792. Tay of the doc, (30) 793. The training of the doc, (30) 794. The control of the doc, (30) 794. Tay of the doc, (30) 794. The control of the doc, (30) 794. The control of the doc, (30) 794. The control of the doc, (30) 894. The control of the doc, (30)	Tanning-	Manusch at all and the
oxtracks, preparation, (30) 615. materials:	chemical handbook. (33) 18	Tarnished plant bug—
materials—in Amvita, (30) 948. fr. (10) and Amvita, (30) 948. fr. (10) and Amvita, (30) 488. fr. (10) and Amvita, (30) and Amvita (30) and Amv	extracts, preparation, (30) 615.	
methods of analysis, (33) 314; (40) 714, of Dutch East Indice, (30) 667. sumpline, (33) 316. sumpline, (33) 316. sumpline, (33) 316. sumpline, (33) 316. sumpline, (30) 816. sumpline, (30) 817. sumpline, (30) 818. sumpline, (30) 819. sumpline, (30	materials—	false, as a near nest (30) 358
methods of analysis, (33) 314; (40) 714, of Dutch East Indice, (30) 667. sumpline, (33) 316. sumpline, (33) 316. sumpline, (33) 316. sumpline, (33) 316. sumpline, (30) 816. sumpline, (30) 817. sumpline, (30) 818. sumpline, (30) 819. sumpline, (30	from Latin America, (38) 248.	false, notes, (29) 252, 354; (36) 550.
of Durich Bast Indias (30) 687. smpling (30) 316. plants of Chile, (38) 336. plants of Chile, (38) 336. substances, vegetable, methods of analysis, methods of armiysis, (39) 438. Tanniber of Chile, (38) 330. monograph, (30) 311. proportions, (30) 431. proportions, (30) 432. monograph, (30) 311. proportions, (30) 432. Tanniber (30) 432. Tanniber (30) 432. Tanniber (30) 432. Tanniber (30) 433. Tanniber (30) 434. Tanniber (30) 434. Tanniber (30) 434. Taphramaton (30) 434. Taphramaton (30) 434. Taphramaton (30) 434. Tanniber	in Belgian Kongo, survey, (39) 207.	12180, 0V100S111011, (34) 255.
Tanniss—	methods of analysis, (32) 314; (40) 714.	injurious to apples, (28) 453.
Tanniss—		notes, (28) 159; (30) 655; (32) 849; (33) 352; (35)
Tanniss—	plents of Chila (28) 226	253; (37) 255; (38) 57.
Tanninamentoods of sandysis, (29) 408. monograph, (30) 311. preparation, (29) 408. qualitative analysis, (29) 509. Tangeliable, qualitative reactions, (20) 508. Tangeliable, qualitative reactions, (20) 508. Tangeliable, qualitative reactions, (20) 508. Tangevorm— Deaf, in a child, (38) 864. bott, studies, (39) 782. bott, studies, (39) 782. bott, studies, (39) 787. bott, studies, (39) 525. Tangevorm— Deaf, in a child, (38) 864. bott, studies, (39) 787. bott, studies, (39) 747. new, from dogs, (30) 354. Taperoman detection, (31) 281. dissemination by flies, (30) 699. host relations, (33) 781. in loved, (3) 776; (35) 1577. fowls, transmission, (30) 183. ppgs, relation to rabbits, (29) 482. sheep, (31) 981, (39) 773. sheep, morphology of, (30) 584. sheep, treatment, (37) 623. Taphrina—station to flies, (30) 699. protection against digestive enzyms, (33) 478. protectedhild, monograph, (32) 835. translicense, (29) 821. communits, treatment, (30) 820. protectedhild, monograph, (32) 835. Taphrina—station, (39) 381. sheep, incess, (29) 821. communits, treatment, (30) 621. Taphoses, (29) 821. communits, treatment, (30) 621. Taphoses, (29) 821. communits, treatment, (30) 621. Taphoses, (30) 835.	substances, vegetable methods of analysis	relation to tire blight, (30) 650; (33) 744.
Tanniss—		remedies (34) 356
Caracter of the products of th	Tannins—	studies. (31) 650: (40) 455
methods of analysis, (29) 403. monograph, (20) 810. monograph, (20) 810. qualitative analysis, (20) 809. vegetable, unabitative reactions, (20) 808. Tans of New Zealand, (38) 309. Tanymeus pallatus, notes, (31) 555. Tanypredide in United States, (35) 759. Tapperdide in United States, (35) 759. Tapperdide in United States, (36) 759. Debed, in notild, (33) 809. notice, (30) 801. in liver of swine, (37) 477. representation of Swine, (37) 477. representation of Swine, (37) 477. representation of Properties of Swine, (37) 477. representation of Properties of Swine, (37) 477. representation of Properties of Swine, (37) 478. representation of Properties of Swine, (39) 479. representation of Properties of Swine, (39) 479. representation of Properties of Swine, (39) 479. representation of Swine, (39) 479. representation of Properties of Swine, (39) 479. representation of Properties of Swine, (39) 479. representation of Sw	effect on germination of seeds, (33) 825.	
preparation, (29) 468, qualitative nanlysis, (29) 809. Tans of New Zealand, (83) 809. Tanyperdiae in United States, (35) 789. Teyled in a field of the original projects in mutton, (29) 889. In liver of swine, (37) 477. Terragon rust, notes, (26) 600. Tanyperdiae in the horse, (36) 183. Tapeworms—biological detection, (31) 281. dissemination by fires, (30) 689. host relations, (35) 811. In motion, (35) 861. In review of the complex of the comp	methods of analysis, (29) 408.	
Canalitative analysis, (26) 509. vegetable, qualitative reactions, (26) 508. Tans of New Zealand, (38) 309. Tans of New Zealand, (38) 309. Tansymours pullituts, notes, (31) 555. Tanyprediate in United States, (35) 759. Tanyprediate in United States, (36) 747. new, from dogs, (36) 354. Triving of symine, (37) 477. new, from dogs, (36) 354. Tanyprediate form in a horse, (36) 183. Tanyprediate form in a horse, (36) 183. horses, (30) 176. (33) 751. [33) 777. [33) 777. [33] 777. [34] 777. [35] 778. [35] 779.	monograph, (30) 311.	blight, description and treatment, (31) 52
vegetable, qualitative reactions, (26) 808. Tans of New Zealand, (38) 309. Tanymeus pallituts, notes, (31) 655. Tanyperdian in United States, (35) 779. Taperorm— beef, in a child, (33) 844. beef, in a child, (33) 844. pet, in liver of swine, (37) 477. new, from dogs, (36) 586. in liver of swine, (37) 477. new, from dogs, (36) 586. post relations, (32) 681. best relations, (33) 681. post relations, (32) 681. horses, (40) 186. pigs, relation to rubbits, (29) 482. sheep, morphology of, (30) 584. water fowl, (29) 784. of Carnivorso in man, (33) 681. protection against digestive enzyms, of Carnivorso in man, (38) 681. protection against digestive enzyms, of Carnivorso in man, (38) 681. protection against digestive enzyms, of Carnivorso in man, (38) 681. protection against digestive enzyms, of Carnivorso in man, (38) 681. protection against digestive enzyms, of Carnivorso in man, (38) 681. protection against digestive enzyms, (33) 478. proteccephalid, monograph, (32) 883. treatment, (28) 80. Taphrina— life history and remedies, (38) 389. notes, (39) 787. 21 againstola musculosa— life history and remedies, (38) 389. notes, (39) 850. pands for rabbags plants, description, (31) 332. water so life in the content as affected by decoration (38) 389. protection against digestive enzyms, of Carnivorso in man, (39) 681. grape protection against digestive enzyms, (39) 478. Tartanien, notes, (29) 768. Taphrina— life history and remedies, (38) 889. notes, (29) 810. Taphrina— life history and remedies, (38) 389. notes, (29) 810. protection of pagents, (38) 282. spantation, (39) 381. capacity of trailing and weathering, changes in, for roads, (34) 684. Carnivors, (30) 685. grape products, (29) 805. protection against digestive enzyms, of carnivors, (39) 685. protection (39) 389.	preparation, (29) 408.	fertilizer experiments, (26) 135; (29) 233.
Tans of New Zealand, (38) 309. Tanymous pullituts, notes, (31) 655. Tanyperidae in United States, (35) 759. Tapeworm. — beef, in a mild, (32) 861. Distributed Part of the dog, (39) 791. oysts in mutton, (29) 885. Tanyperorms. — other of swine, (37) 477. new, from dogs, (36) 334. tri-radiate form in a horse, (36) 183. Tapeworms. — in the committed of the committed states, (36) 591. dissemination by flies, (30) 689. host relations, (33) 681. in fowls, (33) 775, (33) 677. fowls, transmission, (36) 183. horses, (40) 186. horses, (40) 186. pies, relation to mild, (39) 882. sheep, treatment, (27) 683. water fowl, (28) 784. of Carnivorae in man, (33) 681. protection against digestive enzyms, (33) 478. protecesphalid, monograph, (32) 885. Taphurneant, (28) 892. bussel, notes, (28) 592. bussel, notes, (28) 593. bussel, notes, (28) 593. comminst, treatment, (27) 683. sp., notes, (28) 747. Tappp, on plum, (40) 462. Tappp, on plum, (40) 462. Tapplers and remedies, (38) 889. notes, (30) 3855, (39) 847. Taplicas— diseases, notes, (28) 148. comminst, treatment, (29) 892. bussel, notes, (28) 593. comminst, treatment, (29) 893. notes, (28) 683. sp., notes, (28) 684. sp., notes, (28) 180. Tarboration, (29) 381. dong, the single state of the committed states (28) 591. reflect on melical states, (28) 591. reflect on mold growth, (28) 286. spp., notes, (28) 564, 377 766. spp., notes, (28) 565, 387, 888. spirifix, notes, (28) 564, 377 766. spp., notes, (28) 565, 387, 888. spirifix, notes, (28) 564, 377 766. spp., notes, (28) 564, 377 766. spp., notes, (28) 564, 377 766. spp., notes, (28) 564, 387 766. spp., notes, (28) 56	Vegetable (119) to two reactions (26) 202	Hawaiian, as food, (40) 557.
Tanyperdiae in United States, (33) 759. Tapsperdiae in United States, (35) 759. Tapsperdiae in United States, (35) 759. Tapsperdiae in United States, (36) 759. Tapsperdiae, (36) 463. In liver of swine, (37) 477. Inew, from dogs, (36) 354. Tapperdiae In the states of t	Tans of New Zealand, (38) 309	notes, (26) 362.
Tapperorms— beef in child, (33) 844, both ricophabid, from the dog, (39) 791, cysts in mutton, (29) 885, in liver of swine, (37) 477, new, from dogs, (36) 354, tri-radiate form in a horse, (36) 183. Tapperorms— biological detection, (31) 221, dissemination by flies, (30) 659, biological detection, (31) 281, dissemination by flies, (30) 659, horses, (40) 186. pigs, relation to rabbits, (29) 482, sheep, (31) 861, 977, sheep, morphology of, (30) 584, sheep, treatment, (28) 80. Taphrina— surea, notes, (28) 782, organization, (38) 283, treatment, (28) 852, bussed, notes, (28) 854, search, baking tests, (44) 489, sp., notes, (28) 687, flating of the flating of the production against digestive enzyms, (33) 478, treatment, (28) 80. Taphrina— surea, notes, (28) 852, bussed, notes, (28) 852, sp., notes, (28) 687, sp., notes, (28) 688, sp., notes, (28) 689, notes, (28) 852, bussed, notes, (28) 852, bussed, notes, (28) 852, sp., notes, (28) 852, bussed, notes, (28) 852, sp., notes, (28) 854, (37) 766, splinking treatment, (28) 80. Taphrina— surea, notes, (28) 852, bussed, notes, (28) 852, sp., notes, (28) 687, sp., notes, (28) 688, sp., notes, (28) 688, sp., notes, (28) 689, sp.,	Tanymecus palliatus, notes, (31) 655.	
Tapeworn— beef, in a child, (33) 884. boef, studies, (29) 782. bothrioosphald, from the dog, (39) 791. yellothrioosphald, from the dog, (39) 791. yellothrioosphald, from the dog, (39) 791. yellothrioosphald, from the dog, (39) 783. yellothrioosphald, from the dog, (39) 784. Tapeworns— biological detection, (31) 281. dissomination by flies, (30) 689. host relations, (33) 681. In fowls, (33) 775, (35) 777. (owls, transmission, (36) 183. yellothrioosphald, from the dog, (39) 584. sheep, leation to rabbits, (29) 482. sheep, norphology of, (30) 584. sheep, treatment, (27) 683. yellothrioosphald, from against digestive enzyms, (33) 478. proteccophald, from against digestive enzyms, (33) 478. proteccophald, from (28) 581. communis, treatment, (29) 582. Tapinastola musculosa— life history and remedies, (33) 889. notes, (30) 585; (32) 847. Tapinastola musculosa— life history and remedies, (33) 899. notes, (30) 585; (32) 847. Tapinastola musculosa— life history and remedies, (33) 899. notes, (30) 585; (32) 847. Tapinastola musculosa— life history and remedies, (33) 899. notes, (30) 585; (32) 847. Tapinastola musculosa— life history and remedies, (33) 899. notes, (30) 585; (32) 847. Tapinastola musculosa— life history and remedies, (33) 899. notes, (30) 585; (32) 847. Tapinastola musculosa— life history and remedies, (33) 899. notes, (30) 585; (32) 847. Tapinastola musculosa— effect on penetration of crosoto, (33) 394. scamination, (29) 361. flour, use in baking, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of crosoto, (33) 394. scamination, (30) 585; (32) 867. yellothrioosphald, from wood, (32) 50. spraying machinos, tests, (29) 806. Tarbagans— notes, (27) 454. relation to plague, (28) 583. Tarbagans— notes, (27) 454. relation to plague, (28) 583. Tarbagans— relation to plague, (28) 583. Tarbagans— relation to plague, (28) 687. Tartara— action in the body, (30) 486. supprision by sunlight, (30) 431. determination, (30) 612, (35) 417. tetration to plague, (28) 585. relation to pl	Tanypezidae in United States, (35) 759.	Tield as affected by does planting (25) 505
bookf, studies, (28) 782. bothriorephalid, from the dog, (39) 791. cysts in mutton, (29) 885. in liver of swine, (37) 477. new, from dogs, (30) 354. tri-radiate form in a horse, (36) 183. Tapeworms—biologued detection, (31) 281. dost relations, (33) 681, (30) 689. horses, (40) 186. pigs, relation to rabbits, (29) 482. sheep, (31) 85; (39) 773. sheep, morphology of, (30) 584. sheep, treatment, (32) 681. protection against disestive enzyms, (33) 478. reatment, (28) 80. Taphrina— aurea, notes, (28) 852. bussel, notes, (28) 852. bussel, notes, (28) 852. bussel, notes, (28) 852. bussel, notes, (28) 854. Taplica— diseases, notes, (28) 148. cammination, (29) 361. four, use in baking, (34) 368. protection misculosa— life history and remedies, (33) 859. notes, (30) 855; (22) 847. Taplica— diseases, notes, (28) 148. cammination, (29) 361. four, use in baking, (34) 368. protection to rabbits, (34) 368. water onten as affected by cooking, (26) 462. Tar— diseases, notes, (28) 148. cammination, (29) 361. four, use in baking, (34) 368. linear onten as affected by cooking, (26) 462. Tar— diseases, notes, (28) 149. carbonathus camboratus, analyses and digestive large and the products, (27) 496. spraying machinos, tests, (30) 874. carbonathus camboratus, analyses and digestive large and products, (27) 497. Tarses as green manure for wheat, (38) 288. rarboname— notes, (27) 454. relation to plague, (28) 65; susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestive large and products, (30) 653. susceptibility to pneumonic plague, (28) 58. rarboname— notes, (27) 454. relation to plague, (28) 65; susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestive large and products, (30) 655. Tartistim uvella, notes, (28) 605; (38) 755. Tartistim uvella, notes, (28) 605; (38) 755. Tarketim uvella, notes, (28) 605; (38) 755.	Tapeworm—	Tarragon rust, notes (28) 747
obtainoephala, from the dog, (39) 791. cysts in mutton, (29) 886. in iver of swin, (37) 471. cysts in mutton, (39) 887. Tapeworms— proved dogs, (80) 454. Tapeworms— proved detection, (31) 281. dissemination by fires, (30) 659. host relations, (33) 881. in fowls, (33) 775. (35) 577. (5wls, transmission, (36) 183. horses, (40) 186. pigs, relation to rabbits, (29) 482. sheep, (31) 86; (39) 773. sheep, morphology, (30) 884. water flowl, (29) 784. sheep, morphology and (30) 884. water flowl, (29) 784. year flowl, (29) 784. Treatment, (28) 80. Taphrina— aurea, notes, (28) 852. brosel, (20) 852. brosel, (20) 853. communis, treatment, (40) 449. sp., notes, (28) 852. notes, (30) 855; (22) 847. Tapinoca— diseases, notes, (28) 183. communis, treatment, (40) 449. sp., notes, (20) 774. Tapinocade musculoss— life history and remedies, (33) 859. notes, (30) 855; (22) 847. Tapinocade musculoss— life history and remedies, (33) 859. notes, (30) 855, (22) 847. Tapinocade musculoss— life history and remedies, (33) 859. notes, (30) 855, (22) 847. Tapinocade penetration of crossote, (39) 801. four, use in baking, (44) 495. sp., notes, (28) 148. carmination, (28) 381. four, use in baking, (44) 495. sp., notes, (28) 148. carmination, (28) 381. four, use in baking, (40) 459. sparable or earbage plants, description, (31) 333. pathological action on plants, (28) 265. products, production from wood, (28) 50. spraying machines, tests, (28) 208. Tarrabagani erab, composition, (40) 171. Tarrabce delects, studies, (40) 755. Tarrability, (7) 871, (26) 261, 747. Tarrabce delects, studies, (40) 755. Tarrability, (7) 876. Tarrability, (7) 876. Saconari, notes, (28) 661. community, treatment, (29) 862. to reflect on weekle general, (33) 884. reflect on weekle general, (33) 884. reflect on small growth, accopying technology, (28) 856. spp., notes, (28) 866. spp., notes, (28) 865. spp., notes, (28) 866. spp., notes, (28) 867. reflect on weekle general, (28) 858. reflect on molid gr	beef, in a child, (33) 864.	
oysts in mutton, (29) 886. In liver of swine, (37) 477. new, from dogs, (36) 354. Tri-radiate form in a horse, (36) 183. Tapeworms— biological detection, (31) 281. dissemination by flics, (30) 659. host rolations, (33) 981. 77. owls, transmission, (36) 183. horses, (40) 186. pigs, relation to rabbits, (29) 482. sheep, (31) 86; (39) 773. sheep, morphology of, (30) 584. water fowl, (29) 794. of Carnivorae in man, (33) 681. protection against digestive enzyms, (33) 478. rproteocephalid, moneraph, (32) 853. tractatment, (28) 80. Taphirina— Subsection of the first of the firs	Doer, Studies, (29) 782.	
in liver of swine, (37) 477. new, from dogs, (38) 364. Tappoworms— biological detection, (31) 281. dissemination by fires, (36) 699. host relations (33) 871. no wis, (33) 776. (33) 781. no wis, (33) 776. nows, transmission, (36) 183. pugs, relation to rabbits, (29) 482. sheep, (31) 86; (39) 773. sheep, morphology of, (30) 884. sheep, treatment, (27) 683. yater fowl, (29) 784. of Carnivorae in man, (33) 681. protection against digestive enzyms, (33) 478. proteocephalid, monograph, (32) 853. treatment, (28) 85. Taphrina— aurea, notes, (28) 852. bussel, notes, (28) 852. bussel, notes, (28) 852. bussel, notes, (28) 852. bussel, notes, (28) 854. Taploca— dissanss, notes, (28) 184. examination, (29) 381. flour, use in baking, (34) 385. starch, baking tests, (34) 460. yater content as affected by vooking, (26) 462. Tar— effect on penetration of crosoto, (39) 394. exposed to trailin and weathering, changes in, (27) 89. for routs, (34) 684. funnes, affect on vegetation, (35) 784; (37) 327. olds for chapte plants, description, (31) 333. pathological action on plants, (32) 828. products, production from wood, (28) 50. spraying machines, tests, (29) 575. vapors, effect on vegetation, (30) 324. Tarabagani crab, composition, (40) 171. Taracho delects, studies, (40) 755. Taralli, composition and nutritive value, (30) 62. Tarabagani crab, composition, (40) 171. Taracho delects, studies, (40) 756. Tarallity, (77) 871; (29) 167. Tarase as green manure for wheat, (26) 428. Targonia— sacchari, notes, (28) 651; (39) 575. Tarichium vulvella, notes, (28) 605; (39) 575. Tarichium vulvella, notes, (28) 505. praying machines, testing the determination, (30) 312. notes, (30) 855; (32) 847. Tarase as green manure for wheat, (26) 428. Targonia— sacchari, notes, (28) 655; (39) 575. Tarichium vulvella, notes, (30) 555. Tarichium vulvella, notes, (36) 585. Tarachium vulvella, notes, (36) 585. Tarachium vulvella, notes, (36) 585. Tarachium vulvella, notes, (30) 575.	evets in mutton (20) 886	effect on mold growth. (26) 206
Tapeworms of the a florse, (36) 183. Tapeworms of the country (31) 281. dissemination by flics, (30) 689. hose in the country flics, (30) 681. hose in the coun	in liver of swine. (37) 477	refined, as affected by naphthalene, (26) 188.
Tapeworms of the a florse, (36) 183. Tapeworms of the country (31) 281. dissemination by flics, (30) 689. hose in the country flics, (30) 681. hose in the coun	new, from dogs. (36) 354.	specifications and definitions, (35) 888.
Tapeworms—biologucal detection, (31) 281. dissemination by flies, (30) 689. host relations, (33) 831. in lowls, (33) 775; (33) 817. fowls, transmission, (36) 183. horses, (40) 186. pigs, relation to rabbits, (29) 482. sheep, in orphology of, (30) 584. sheep, in orphology of, (30) 584. sheep, in orphology of, (30) 584. sheep, involven in man, (38) 681. protection against digestive enzyms, (33) 478. protecoephalid, monograph, (32) 853. transmission, (28) 847. Taphrina— aurea, notes, (28) 852. bussel, notes, (28) 581. communis, treatment, (40) 449. sp., notes, (28) 787. (28) 281. Taphrina— dissaess, notes, (28) 188. examination, (29) 381. four, use in baking, (34) 385. starch, baking tests, (34) 684. funces, uffect on penetration of crossote, (38) 394. cryosed to truffic and weathering, changes in, (27) 59. pads for cabbago plants, description, (31) 333. pathological action on plants, (32) 288. products, production from wood, (28) 50. spraying machines, tests, (28) 687. vapors, effect on vegetation, (30) 32. water as soil distincteant, (31) 621. Tarabagani crab, composition, (40) 171. transch delecta, studies, (30) 784. Taralli, composition and nutritive value, (30) 62. Tarabagani crab, composition plague, (28) 180. Tarabagani crab, composition and nutritive value, (30) 62. Tarabagani crab, composition and nutritive value, (30) 62. Tarabagani crab, composition plague, (28) 180. Tarabagani crab, composition and nutritive value, (30) 62. Tarabagani crab, composition and nutritive value, (30) 62. Tarabagani crab, composition, (40) 171. Taracho delecta, studies, (33) 589. products, production from wood, (28) 50. spraying machines, tests, (29) 665. sascoptibility to pneumonic plague, (28) 180. Tarachonalthus semphoratus, analyses and digestibility, (27) 871; (32) 167. Tarase as green manure for wheat, (35) 428. Targionia— sacchari, notes, (28) 655, (38) 785. Tarithium uvella, notes, (39) 637. Tarachonalthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tarace as green manure for wheat, (35) 428. Targioni	tri-radiate form in a horse, (36) 183,	_
biological electection, (31) 281. dissemination by tines, (30) 689. host relations, (33) 851. in fowls, (33) 775; (35) 577. fowls, transmission, (36) 183. horses, (40) 186. pigs, relation to rabbits, (29) 482. sheep, inceptions of (30) 584. sheep, inceptions of (30) 584. sheep, inceptions of (30) 584. sheep, inceptions of (30) 881. protections and and (33) 881. protections of the state of the		approximatus, notes, (28) 457.
dissemination by lifes, (30) 689. host relations, (33) 581. 77. fowls, transmission, (36) 183. horses, (40) 186. horses, (40) 186. horses, (40) 186. pigs, relation to rabbits, (29) 482. sheep, (31) 586, (39) 737. (30) 584. year flowl, (20) 73. horses, (30) 784. of Carnivorae in man, (32) 683. yearer (owl., (20) 73. horses, (30) 747. protection against digestive enzyms, protecephalid, monograph, (32) 853. reatment, (28) 80. Taphrina—aurea, notes, (28) 862. bussel, notes, (28) 581. communis, treatment, (40) 449. sp., notes, (28) 787. (28) 241. 747. spp. on plum, (40) 452. Taplnesola musculosa—life history and remedies, (33) 859. notes, (28) 852. starch, baking tests, (34) 684. cannination, (29) 361. four, use in baking, (34) 385. starch, baking tests, (34) 684. (27) 58. products, productor from wood, (28) 50. pads for cabbago plants, description, (33) 333. pathological action on plants, (33) 829. products, production from wood, (28) 50. spraying machines, tests, (28) 687. vapors, effect on vegetation, (30) 32. water as soll distinctant, (31) 621. Tarabagani crab, composition, (40) 171. transch delecta, studies, (30) 754. aralli, composition and nutritive value, (30) 62. Tarabagani crab, composition promotus, analyses and digestibility; (27) 871; (32) 167. as satisfied to plague, (28) 180. Tarabagani halps and the products, products, production from wood, (28) 50. spraying machines, tests, (28) 687. vapors, effect on vegetation, (30) 32. water as soll distinctant, (31) 621. Tarabagani crab, composition and nutritive value, (30) 62. Tarabagani crab, composition, (40) 171. transch delecta, studies, (40) 259. Tarabagani crab, composition, (40) 271. Tarabagani crab, composition, (40) 171. transch delecta, studies, (40) 259. Tarabagani crab, composition, (40) 171. transch delecta, studies, (40) 259. Tarabagani crab, composition, (40) 271. Tarabagani crab, composition, (40) 271. transch calculation, (30) 32. water as soli distinctant, (31) 621. transch calculation, (30) 32. water as soli distinctant, (31) 621. transch c		Dallidus notes (28) 554: (37) 766
Sp. Notes	dissemination by flies, (30) 659.	pallidus, remedies, (33) 58.
Sp. Notes	nost relations, (33) hst.	panious, studies, (37) 856, 857, 858.
pigs, relation to rabbits, (29) 482, sheep, (31) 86; (39) 773, sheep, morphology of, (30) 584, sheep, treatment, (27) 683. water fowl, (29) 784, of Carnivorao in man, (33) 81. protection against digestive enzyms, (33) 478. proteocephalid, monograph, (32) 855. treatment, (28) 80. Taphrina— aurea, notes, (28) 852. bussel, notes, (28) 852. aurea, notes, (28) 852. bussel, notes, (28) 852. bussel, notes, (28) 852. aurea, notes, (28) 852. bussel, notes, (28) 852. bussel, notes, (28) 852. communis, treatment, (40) 449. \$	fowls transmission (26) 122	Sp. on Cyclemen, (37) 700.
pigs, relation to rabbits, (29) 482. sheep, (31) 86; (39) 773. sheep, morphology of, (30) 584. sheep, treatment, (27) 683. water fowl, (29) 784. of Carnivorae in man, (33) 681. protection against digestive enzyms, (33) 478. proteceoephalid, monograph, (32) 853. treatment, (28) 80. Taphrina— aurea, notes, (28) 852. bussei, notes, (28) 551. communis, treatment, (40) 449. sp. notes, (26) 871; (28) 241, 747. spp. on plum, (40) 452. Tapinostola musculosa— life history and remedies, (33) 859. notes, (30) 855; (32) 847. Tapicoa— diseases, notes, (28) 148. examination, (29) 361. flour, use in baking, (34) 365. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of crosote, (39) 394. exposed to traffic and weathering, changes in, (27) 89. for roads, (34) 684. funes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (29) 208. pads for cabbage plants, description, (31) 353. pathological action on plants, (32) 2828. products, production from wood, (29) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani crab, composition, (40) 171. Trarache delecta, studies, (40) 754. Tarabagani crab, composition, (40) 171. Tarache delecta, studies, (40) 754. Tarabagani crab, composition, and nutritive value, (30) 62. Tarabagani crab, composition, (40) 171. Tarache delecta, studies, (40) 754. Tarabagani crab, composition, (40) 171. Tarache delecta, studies, (40) 754. Tarabagani crab, composition, (40) 171. Tarache delecta, studies, (40) 754. Tarabagani crab, composition, (40) 171. Tarache delecta, studies, (40) 754. Tarabagani crab, composition, (40) 171. Tarache delecta, studies, (40) 754. Tarabagani crab, composition, (40) 171. Tarache delecta, studies, (40) 754. Tarabagani crab, composition, (40) 171. Tarache delecta, studies, (40) 754. Tarabagani crab, composition, (40) 171. Tarache delecta, studies, (40) 754. Tarabagani crab, composition, (40) 171. Tarache delecta, studies, (40) 754. Tarabag	horses. (40) 186.	spirifey description (35) 468
sheep, treatment, (27) 833. water fowl, (29) 784. of Carmivorae in man, (33) 681. protection against digestive enzyms, (33) 478. protecephalid, monograph, (32) 833. treatment, (28) 80. Taphrina— aurea, notes, (28) 852. bussei, notes, (28) 851. communis, treatment, (40) 449. sp. notes, (36) 747, (29) 241, 747. spp. on plum, (40) 452. Tapinostola musculosa— life history and remedies, (33) 859. notes, (30) 855, (32) 847. Tuploca— diseases, notes, (28) 148. carmination, (29) 361. four, use in baking, (34) 365. starch, baking tests, (34) 460. Tar— effect on penetration of crosote, (39) 391. exposed to traffic and weathering, changes in, (27) 89. por roads, (34) 684. funes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (28) 208. pads for cabbage plants, description, (40) 171. Tarabagani crab, composition on plants, (32) 828. products, production from wood, (28) 85. zaralil, composition and nutritive value, (30) 62. Tarabagani crab, composition, (40) 171. Tarbagans— notes, (27) 454. Tarbagans— notes, (27) 454. relation in the body, (38) 468. saffected by yeast, (29) 804. sasingtion by plants, (31) 428. behavior toward oxidizing agents, (26) 25. decomposition, (28) 323. determination, (29) 81. determination, (29) 805. spraying machines, (24) 754. henolytic reaction of plants, (21) 496. presence of milic acid, (38) 801. presence of milic acid, (38) 801. presence of milic acid, (38) 805. products, production from wood, (29) 50. spanying machines, tests, (29) 805. vapors, effect on vegetation, (30) 32. variet in sp., notes, (27) 484. henolytic reaction in plants, (31) 426. behavior toward oxidizing agents, (26) 805. presence of milic acid, (38) 801. or roads, (31) 585. trainting and advanced and weathering, changes in, (27) 585. Tarrialli, composition and nutritive value, (30) 62. Tarractula	pigs, relation to rabbits. (29) 482.	spirifex, notes, (32) 853
sheep, treatment, (27) 833. water fowl, (29) 784. of Carmivorae in man, (33) 681. protection against digestive enzyms, (33) 478. protecephalid, monograph, (32) 833. treatment, (28) 80. Taphrina— aurea, notes, (28) 852. bussei, notes, (28) 851. communis, treatment, (40) 449. sp. notes, (36) 747, (29) 241, 747. spp. on plum, (40) 452. Tapinostola musculosa— life history and remedies, (33) 859. notes, (30) 855, (32) 847. Tuploca— diseases, notes, (28) 148. carmination, (29) 361. four, use in baking, (34) 365. starch, baking tests, (34) 460. Tar— effect on penetration of crosote, (39) 391. exposed to traffic and weathering, changes in, (27) 89. por roads, (34) 684. funes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (28) 208. pads for cabbage plants, description, (40) 171. Tarabagani crab, composition on plants, (32) 828. products, production from wood, (28) 85. zaralil, composition and nutritive value, (30) 62. Tarabagani crab, composition, (40) 171. Tarbagans— notes, (27) 454. Tarbagans— notes, (27) 454. relation in the body, (38) 468. saffected by yeast, (29) 804. sasingtion by plants, (31) 428. behavior toward oxidizing agents, (26) 25. decomposition, (28) 323. determination, (29) 81. determination, (29) 805. spraying machines, (24) 754. henolytic reaction of plants, (21) 496. presence of milic acid, (38) 801. presence of milic acid, (38) 801. presence of milic acid, (38) 805. products, production from wood, (29) 50. spanying machines, tests, (29) 805. vapors, effect on vegetation, (30) 32. variet in sp., notes, (27) 484. henolytic reaction in plants, (31) 426. behavior toward oxidizing agents, (26) 805. presence of milic acid, (38) 801. or roads, (31) 585. trainting and advanced and weathering, changes in, (27) 585. Tarrialli, composition and nutritive value, (30) 62. Tarractula	sheep, (31) 86; (39) 773.	translucens on tea. (40) 656.
of Carlinvote in Halm, 35) 681. protection against digestive enzyms, (33) 478. proteocephalid, monograph, (32) 553. treatment, (23) 80. Taphrina— aurea, notes, (26) 851. communis, treatment, (40) 449. sp., notes, (26) 747; (28) 241, 747. spp. on plum, (40) 452. Tapnostola musculosa— life history and remedies, (33) 859. notes, (30) 855; (32) 847. Taploca— diseases, notes, (28) 148. examination, (29) 361. flour, use in baking, (34) 365. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of creosote, (39) 394. exposed to traffic and weathering, changes in, (27) 89. for roads, (34) 684. funes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 208. pads for cabbage plants, description, (31) 353. pathological action on plants, (32) 826. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil distinctant, (31) 621. Tarabagani erab, composition and nutritive value, (30) 62. Tarantnia spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 635. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 817; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— sacchari, notes, (28) 60; (29) 53. vitis, notes, (28) 60; (29) 53. vitis, notes, (28) 66; (29) 57.	sheep, morphology of, (30) 584.	waitei n.sp., description, (28) 357.
of Carlinvote in Halm, 35) 681. protection against digestive enzyms, (33) 478. proteocephalid, monograph, (32) 553. treatment, (23) 80. Taphrina— aurea, notes, (26) 851. communis, treatment, (40) 449. sp., notes, (26) 747; (28) 241, 747. spp. on plum, (40) 452. Tapnostola musculosa— life history and remedies, (33) 859. notes, (30) 855; (32) 847. Taploca— diseases, notes, (28) 148. examination, (29) 361. flour, use in baking, (34) 365. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of creosote, (39) 394. exposed to traffic and weathering, changes in, (27) 89. for roads, (34) 684. funes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 208. pads for cabbage plants, description, (31) 353. pathological action on plants, (32) 826. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil distinctant, (31) 621. Tarabagani erab, composition and nutritive value, (30) 62. Taranthia spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 635. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 817; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— sacchari, notes, (28) 60; (29) 53. vitis, notes, (28) 60; (29) 53. vitis, notes, (28) 66; (29) 57.	sheep, treatment, (27) 683.	_ waitei n.sp., notes, (26) 760; (28) 159.
of Carlinvote in Halm, 35) 681. protection against digestive enzyms, (33) 478. proteocephalid, monograph, (32) 553. treatment, (23) 80. Taphrina— aurea, notes, (26) 851. communis, treatment, (40) 449. sp., notes, (26) 747; (28) 241, 747. spp. on plum, (40) 452. Tapnostola musculosa— life history and remedies, (33) 859. notes, (30) 855; (32) 847. Taploca— diseases, notes, (28) 148. examination, (29) 361. flour, use in baking, (34) 365. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of creosote, (39) 394. exposed to traffic and weathering, changes in, (27) 89. for roads, (34) 684. funes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 208. pads for cabbage plants, description, (31) 353. pathological action on plants, (32) 826. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil distinctant, (31) 621. Tarabagani erab, composition and nutritive value, (30) 62. Taranthia spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 635. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 817; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— sacchari, notes, (28) 60; (29) 53. vitis, notes, (28) 60; (29) 53. vitis, notes, (28) 66; (29) 57.	water fowl, (29) 784.	
proteocephalid, monograph, (32) 853. treatment, (28) 80. Taphrina— aurea, notes, (26) 852. bussel, notes, (26) 851. communis, treatment, (40) 449. sp., notes, (26) 747; (22) 241, 747. spp. on plum, (40) 452. Tapinostola musculosa— life history and remedies, (33) 859. notes, (30) 855; (32) 847. Tuploca— diseases, notes, (28) 148. examination, (29) 361. flour, use in baking, (34) 466. starch, baking tests, (34) 460. yater content as affected by cooking, (26) 462. Tar— effect on penetration of crososte, (38) 394. exposed to traffle and wenthering, changes in, (27) 89. for roads, (34) 684. funes, offect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 200. pads for eabhage plants, description, (31) 333. pathological action on plants, (32) 828. products, production from wood, (28) 50. spraying machinos, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani crab, composition (40) 171. Tarache delects, straidise, (40) 754. Taralli, composition and nutritive value, (30) 62. Tarantulus spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 653. rasseoptibility to pneumonic plague, (28) 180. Tarchomanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— saechari, notes, (28) 60; (29) 53. viis, notes, (28) 60; (29) 53. viis notes, (28) 60; (29) 53. viis notes, (28) 60; (29) 53. v	or Carrievoras in man, (55) 681.	
treatment, (28) 80. Taphrina- aurea, notes, (28) 852. bussei, notes, (28) 851. communis, treatment, (40) 449. sp., notes, (26) 737; (22) 241, 747. spp. on plum, (40) 452. Tapinostola musculosa— diseases, notes, (28) 856. flour, use in baking, (34) 365. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of crossote, (39) 394. exposed to traffic and weathering, changes in, (27) 80. for roads, (34) 684. funes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (28) 206. pads for cabbage plants, description, (31) 333. pathological action on plants, (32) 826. products, production from wood, (28) 50. spraying machinos, tests, (29) 857. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani crab, composition, (40) 171. Tarache delecta, stracking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (26) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— saochari, notes, (28) 60; (29) 53. viis, notes, (28) 655; (38) 755. Tarichium un wella, notes, (36) 757.	protection against digestive enzyms, (55) 475.	Tartaric acid—
aurea, notes, (26) 852. bussel, notes, (26) 852. bussel, notes, (26) 851. communis, treatment, (40) 449. sp., notes, (23) 747; (28) 241, 747. spp. on plum, (40) 452. Tapinostola musculosa— life history and remedies, (33) 859. notes, (30) 855; (32) 847. Tapioca— diseases, notes, (28) 148. examination, (29) 361. flour, use in baking, (34) 466. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of creosote, (39) 394. exposed to traffic and weathering, changes in, (27) 89. for rouds, (34) 684. furnes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 206. pads for cabbage plants, description, (31) 353. pathological action on plants, (32) 828. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia— saechari, notes, (28) 60; (29) 53. viis, notes, (28) 655; (38) 755. Tarichium uvella, notes, (36) 675.	treatment. (28) 80.	action in the body, (36) 468.
aurea, notes, (28) 852. bussei, notes, (28) 951. communis, treatment, (40) 449. sp., notes, (26) 747; (29) 241, 747. spp. on plum, (40) 452. Tapinostola musculosa— life history and remedies, (33) 859. notes, (30) 855; (32) 847. Tapioca— diseases, notes, (28) 148. examination, (29) 361. flour, use in baking, (34) 365. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of crosote, (38) 394. exposed to traffic and weathering, changes in, (27) 89. porducts, production from wood, (28) 50. spads for cabbage plants, description, (31) 353. pathological action on plants, (32) 826. products, production from wood, (28) 50. spraying machinos, tests, (29) 637. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tarese as green manure for wheat, (35) 426. Targionia— saechari, notes, (28) 60; (29) 53. viis, notes, (28) 655; (38) 755. Tailousn uvella, notes, (36) 655; (36) 755. behavior toward oxidizing agents, (26) 25. decomposition by sunlight, (30) 431. determination, (30) 612 catedition, (20) 612. determination, (30) 612 catedition, (28) 24. determination, (30) 612 catedition, (29) 462. Tareal edication, (29) 462. Tareal edication, (33) 934. exposed to traffic and weathering, changes in, (27) 496. read fermentation, (27) 268. curbon assimilation of plants, (27) 525. fungl, (29) 444. homolytic reaction, (36) 878. forcing plants with, (28) 837. invesion and disappearance, (38) 801. reaction on isolated intestine, (37) 471. nephritis, studies, (40) 285, 383. Tartrates— determination in mixture of dyes, (38) 12. notes, (36) 300. "Tarwad" bark as tanning agent, (37) 147. Title— determination in mixture of dyes, (38) 12. notes, (Taphrina-	as anected by yeast, (29) 504.
communis, treatment, (40) 449. sp., notes, (26) 747; (28) 241, 747. spp. on plum, (40) 452. Tapinostola musculosa— life history and remedies, (33) 859. notes, (30) 855; (32) 847. Tapioca— diseases, notes, (28) 148. examination, (29) 381. flour, use in baking, (34) 365. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of creosote, (39) 394. exposed to truffic and weathering, changes in, (27) 89. for roads, (34) 684. furnes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 208. pads for cabbage plants, description, (31) 353. pathological action on plants, (32) 836. spraying machines, tests, (29) 637. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchomanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targinia— sacchari, notes, (28) 66; (29) 53. viis, notes, (26) 655; (36) 755. Tarchinum uvella, notes, (36) 577.	aurea, notes, (26) 852.	hebayior toward oxidizing agents (26) 25
communic, teachinet, (40) 428. sp., notes, (26) 747; (28) 241, 747. spp. no plum, (40) 452. Tapnostola musculosa— life history and remedies, (33) 859. notes, (30) 855; (32) 847. Taploca— diseases, notes, (28) 148. examination, (29) 361. flour, use in baking, (34) 365. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar—effect on penetration of creosote, (39) 394. exposed to traffic and weathering, changes in, (27) 49. for roads, (34) 684. funes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (28) 206. pads for cabbage plants, description, (31) 333. pathological action on plants, (32) 282. products, production from wood, (28) 50. spraying machines, tests, (29) 867. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani erab, composition, (40) 171. Tarache delecta, studies, (40) 755. Tarbagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia— sacchari, notes, (26) 655; (36) 755. Tarichium nuvelle, notes, (26) 655; (36) 755. Tarichium nuvelle, notes, (26) 655; (36) 757.	bussei, notes, (26) 851.	decomposition by sunlight, (30) 431.
Taplocation musculosar— Taplocations, (30) 855; (32) 847. Taplocations, (38) 148. examination, (29) 381. flour, use in baking, (34) 385. starch, baking tests, (34) 480. water content as affected by cooking, (26) 462. Tar— effect on penetration of crosote, (39) 394. exposed to traffic and wenthering, changes in, (27) 89. for roads, (34) 684. furnes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 206. pads for cabbage plants, description, (31) 333. pathological action on plants, (32) 858. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchomanthus camphoratus, analyses and digestibility to pneumonic plague, (28) 180. Tarchomanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia— sacchari, notes, (28) 60; (29) 53. viis, notes, (26) 655; (36) 755. Tarcholmanthus vella, notes, (36) 675. Tarchound muvella, notes, (36) 675. Tarchound muvella, notes, (36) 767.	communis, treatment, (40) 449.	
Taplocation musculosar— Taplocations, (30) 855; (32) 847. Taplocations, (38) 148. examination, (29) 381. flour, use in baking, (34) 385. starch, baking tests, (34) 480. water content as affected by cooking, (26) 462. Tar— effect on penetration of crosote, (39) 394. exposed to traffic and wenthering, changes in, (27) 89. for roads, (34) 684. furnes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 206. pads for cabbage plants, description, (31) 333. pathological action on plants, (32) 858. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchomanthus camphoratus, analyses and digestibility to pneumonic plague, (28) 180. Tarchomanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia— sacchari, notes, (28) 60; (29) 53. viis, notes, (26) 655; (36) 755. Tarcholmanthus vella, notes, (36) 675. Tarchound muvella, notes, (36) 675. Tarchound muvella, notes, (36) 767.	sp., notes, (26) 747; (28) 241, 747.	
life history and remedies, (33) 859. notos, (30) 855; (32) 847. Taploca— diseases, notes, (28) 148. examination, (29) 361. flour, use in baking, (34) 365. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of creosote, (39) 394. exposed to traffic and weathering, changes in, (27) 89. for roads, (34) 684. fumes, effect on vegetation, (35) 734; (37) 327. olls, characteristics, (26) 206. pads for eabbage plants, description, (31) 333. pathological action on plants, (32) 828. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani erab, composition, (40) 171. Tarache delects, studies, (40) 755. Tarabagans— notes, (27) 454. relation to plague, (28) 635. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— Targionia— Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— Targionia— Tarchonanthus camphoratus, analyses and digestibility, to pneumonic plague, (28) 180. Targionia— Targionia— Targionia— Targionia— Targionia— Tarchonanthus camphoratus, analyses and digestibility to pneumonic plague, (28) 180. Targionia— Ta	Tannostola musculosa—	determination in—
notes, (30) 855; (32) 847. Turbloca— diseases, notes, (28) 148. examination, (29) 361. flour, use in baking, (34) 365. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of crosote, (39) 394. exposed to traffic and wenthering, changes in, (27) 89. for roads, (34) 684. fumes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 206. pads for cabbage plants, description, (31) 333. pathological action on plants, (32) 828. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarche delects, studies, (40) 754. Tarche delects, studies, (40) 754. Tarache delects, studies, (40) 754. Taralli, composition, (40) 171. Tarache delects, studies, (40) 754. Taralli, composition and nutritive value, (30) 62. Tarantula spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchomanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia— sacchari, notes, (28) 60; (29) 53. viis, notes, (26) 655; (36) 755. Tarichium uvella, notes, (36) 577.	life history and remedies. (33) 859.	iruits and their products, (26) 805.
disenses, notes. (28) 148. examination, (29) 361. flour, use in baking, (34) 365. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of crosote, (39) 394. exposed to traffic and weathering, changes in, (27) 89. for roads, (34) 684. furnes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 206. pads for cabbage plants, description, (31) 333. pathological action on plants, (32) 285. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchomanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targinia— sacchari, notes, (28) 60; (29) 53. viis, notes, (26) 655; (36) 755. Tarchium uvella, notes, (36) 577.	notes. (30) 855; (32) 847.	grape products, (21) 499.
commination, (29) 361. flour, use in baking, (34) 365. starch, baking tests, (34) 460. water content as affected by cooking, (26) 462. Tar— effect on penetration of creosote, (39) 394. exposed to traffic and weathering, changes in, (27) 59. for roads, (34) 684. funes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 206. pads for eabbage plants, description, (31) 333. pathological action on plants, (32) 828. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani erab, composition, (40) 171. Tarache delects, studies, (40) 755. Tarabagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— Targ	Tapioca-	presence of malic acid, (28) 24: (38) 805.
water content as affected by cooking, (26) 462. Tar— effect on penetration of crosote, (39) 394. exposed to traffic and weathering, changes in, (27) 89. for roads, (34) 684. funes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 208. pads for cabbage plants, description, (31) 353. pathological action on plants, (32) 826. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani crab, composition, (40) 171. Tarache delects, studies, (40) 754. rabagans— notes, (27) 544. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— saochari, notes, (26) 655; (38) 755. Tarichium uvella, notes, (36) 757. Water and grap gluice, (32) 297. bread fermentation, (27) 285. fungi, (28) 444. homolytic reaction, (36) 878. forcing plants with, (23) 837. inversion and disappearance, (36) 801. occurrence in honey, (28) 186. of grape musts and wines, (37) 310. optical rotation. (27) 497. toxicity, (28) 661. Tartrate— action on isolated intestine, (37) 471. nephrits, studies, (40) 285, 383. Tartrates— determination in baking powder, (40) 712 toxic action, (40) 465. Tartrates— determination in mixture of dyes, (38) 12. notes, (37) 327. office on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tartrate— determination in baking powder, (40) 712 toxic action, (40) 465. Tartrates— determination in mixture of dyes, (38) 12. notes, (38) 878. forcing plants with, (22) 887. forcing plants and disappearance, (68) 801. Tartrate— action on isolated intestine, (37) 471. nephrits, studies, (40) 745. Tartrates— determination in mixture of dyes, (38) 12. notes, (38) 801. Tartrate— determination in mixture of dyes, (38) 12. notes, (38) 301. Tartrate— determination in mixture of dyes, (38) 12. notes, (37) 454. Tartrate— determination, (36) 714. determination	diseases, notes, (28) 148.	presence of metals, (29) 808.
water content as affected by cooking, (26) 462. Tar— effect on penetration of crosote, (39) 394. exposed to traffic and weathering, changes in, (27) 89. for roads, (34) 684. funes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 208. pads for cabbage plants, description, (31) 353. pathological action on plants, (32) 826. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani crab, composition, (40) 171. Tarache delects, studies, (40) 754. rabagans— notes, (27) 544. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— saochari, notes, (26) 655; (38) 755. Tarichium uvella, notes, (36) 757. Water and grap gluice, (32) 297. bread fermentation, (27) 285. fungi, (28) 444. homolytic reaction, (36) 878. forcing plants with, (23) 837. inversion and disappearance, (36) 801. occurrence in honey, (28) 186. of grape musts and wines, (37) 310. optical rotation. (27) 497. toxicity, (28) 661. Tartrate— action on isolated intestine, (37) 471. nephrits, studies, (40) 285, 383. Tartrates— determination in baking powder, (40) 712 toxic action, (40) 465. Tartrates— determination in mixture of dyes, (38) 12. notes, (37) 327. office on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tartrate— determination in baking powder, (40) 712 toxic action, (40) 465. Tartrates— determination in mixture of dyes, (38) 12. notes, (38) 878. forcing plants with, (22) 887. forcing plants and disappearance, (68) 801. Tartrate— action on isolated intestine, (37) 471. nephrits, studies, (40) 745. Tartrates— determination in mixture of dyes, (38) 12. notes, (38) 801. Tartrate— determination in mixture of dyes, (38) 12. notes, (38) 301. Tartrate— determination in mixture of dyes, (38) 12. notes, (37) 454. Tartrate— determination, (36) 714. determination	examination, (29) 361.	wine, (29) 798; (31) 505.
water content as affected by cooking, (26) 462. Tar— effect on penetration of creosote, (39) 394. exposed to traffic and weathering, changes in, (27) 89. for roads, (34) 684. furnes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 206. pads for cabbage plants, description, (31) 333. pathological action on plants, (32) 826. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani crab, composition, (40) 171. Tarache delects, studies, (40) 754. Tarabagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility to preumonic plague, (28) 180. Targionia— sacchari, notes, (28) 60; (29) 53. viis, notes, (26) 655; (36) 755. Tarichium uvella, notes, (36) 757.	nour, use in baking, (34) 365.	wine and grape juice, (32) 297.
effect on penetration of crosote, (39) 394. exposed to traffic and weathering, changes in, (27) 89. for roads, (34) 684. furnes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 206. pads for cabbage plants, description, (31) 333. pathological action on plants, (32) 826. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagans— Tarabagans— Tarbagans— Ta	starch, baking tests, (34) 400.	effect on—
effect on penetration of crosoto, (39) 394. exposed to traffic and weathering, changes in, (27) 89. for roads, (34) 684. furnes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (26) 208. pads for cabbage plants, description, (31) 353. pathological action on plants, (32) 826. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani crab, composition, (40) 171. Tarache delects, studies, (40) 754. Tarabagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia— saochari, notes, (26) 655; (36) 755. Tarichium uvella, notes, (36) 757. sandari, notes, (26) 655; (36) 755. Tarichium uvella, notes, (36) 757.		
exposed to traffic and weathering, changes in, (27) 59. for roads, (34) 684. furnes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (28) 200. pads for cabbage plants, description, (31) 333. pathological action on plants, (32) 828. products, production from wood, (28) 50. spraying machines, tests, (29) 857. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagana erab, composition, (40) 171. Tarache delecta, studies, (40) 754. Taralli, composition and nutritive value, (30) 62. Tarantula spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia— Targioni		
(27) 59. for roads, (34) 684. funnes, effect on vegetation, (35) 734; (37) 327. oils, characteristics, (28) 206. pads for cabbage plants, description, (31) 333. pathological action on plants, (32) 826. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani crab, composition, (40) 171. Tarabagani crab, composition and nutritive value, (30) 62. Tarantula spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia— sacchari, notes, (28) 66; (29) 53. viis, notes, (26) 655; (38) 755. Tarichium uvella, notes, (36) 757. forcing plants with, (28) 887. inversion and disappearance, (36) 801. orcurrence in honey, (28) 166. of grape musts and wines, (37) 310. optical rotation. (27) 497. toxicity, (28) 661. Tartrate— action on isolated intestine, (37) 471. nephrits, studies, (40) 285, 383. Tartratu— determination in baking powder, (40) 712 toxic action, (40) 465. Tartration— determination in mixture of dyes, (38) 12. notes, (36) 300. "Tarwad" bark as tanning agent, (37) 147. Titte— dietetic value, (29) 475. notes, (27) 880. Taradion, land, notes, (29) 391. Taxadion, land, notes, (29) 391. Taxation, land, notes, (29) 391. Taxatoning papers, ance, (36) 801. orcurrence in honey, (28) 166. of grape musts and disagreem usts and disaction, (27) 497. toxicity, (28) 661. Tartrate— action on isolated intestine, (37) 471. repartion in baking powder, (40) 712 toxic action, (40) 465. Tartrate— determination in baking powder, (40) 712 toxic action, (40) 465. Tartrate— determination in mixture of dyes, (38) 12. notes, (36) 300. "Tarwad" bark as tanning agent, (37) 147. Titte— dietetic value, (29) 475. notes, (27) 880. Tarufin use against tuberculosis, (37) 275. Tarads of Japan, (38) 539. Taxation, land, notes, (29) 391. Ta	exposed to traffic and weathering, changes in,	hemolytic reaction. (36) 878.
oils, characteristics, (28) 200. pads for cabbage plants, description, (31) 353. pathological action on plants, (32) 828. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 321. Tarabagani erab, composition, (40) 171. Tarache delecta, studies, (40) 754. Taralli, composition and nutritive value, (30) 62. Tarantula spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia— sacchari, notes, (28) 60; (29) 53. viis, notes, (26) 655; (36) 755. Tarichium uvella, notes, (36) 577.	(27) 89.	forcing plants with, (28) 837.
oils, characteristics, (28) 200. pads for cabbage plants, description, (31) 353. pathological action on plants, (32) 828. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 321. Tarabagani erab, composition, (40) 171. Tarache delecta, studies, (40) 754. Taralli, composition and nutritive value, (30) 62. Tarantula spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia— sacchari, notes, (28) 60; (29) 53. viis, notes, (26) 655; (36) 755. Tarichium uvella, notes, (36) 577.	for roads, (34) 684.	inversion and disappearance, (36) 801.
pads for cabbage plants, description, (31) 333. pathological action on plants, (32) 2845. products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani crab, composition, (40) 171. Tarache delecta, studies, (40) 754. Taralli, composition and nutritive value, (30) 62. Tarantule spider attacking bees, (40) 359. Tarbagans— Tartates— determination in baking powder, (40) 712 toxic action, (40) 465. Tartrain— determination in mixture of dyes, (38) 12, notes, (36) 300. "Tarwad" bark as tanning agent, (37) 147. Title— dietetic value, (29) 475. notes, (27) 880. Tarichium nyella, notes, (26) 655; (36) 755. Tarachonanthus on phoratus, analyses and digestiblity, to pneumonic plague, (28) 180. Targionia— Tarbagans— Tartates— determination in mixture of dyes, (38) 12, notes, (36) 300. "Tarwad" bark as tanning agent, (37) 147. Title— dietetic value, (29) 475. notes, (27) 880. Tarads of Japan, (36) 539. Taxads of Japan, (36) 539.	luines, effect on vegetation, (35) 734; (37) 327.	occurrence in noney, (28) 100.
pathological action on plants, (32) 828. products, production from wood, (28) 50. spraying machinos, tests, (29) 837. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani crab, composition, (40) 171. Tarabagani crab, composition and nutritive value, (30) 62. Tarantula spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— sacchari, notes, (28) 66; (29) 53. viis, notes, (26) 655; (38) 755. Tarichium uvella, notes, (36) 757. toxication, (28) 661. Tartrate— action on isolated intestine, (37) 471. nephrits, studies, (40) 225, 383. Tartrates— determination in baking powder, (40) 712 toxic action, (40) 465. Tartrate— determination in mixture of dyes, (38) 12. notes, (36) 300. "Tarwad" bark as tanning agent, (37) 147. Titte— dietetic value, (29) 475. notes, (27) 880. Tarads of Japan, (38) 539. Taxation, land, notes, (29) 391. Taxaton, land, notes, (29) 391. Taxonomic papers, standards for, (28) 855.	nede for eabhaga plants description (31) 353	of grape musts and wines, (37) 310.
products, production from wood, (28) 50. spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani erab, composition, (40) 171. Tarache delecta, studies, (40) 754. Taralli, composition and nutritive value, (30) 62. Tarantula spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 635. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia— sacchari, notes, (28) 60; (29) 53. viis, notes, (26) 655; (36) 755. Tarichium uvella, notes, (36) 577. Tarconomic papers, standards for, (28) 855. Taxonomic papers, standards for, (28) 855.	nathological action on plants, (32) 826.	
spraying machines, tests, (29) 687. vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani erab, composition, (40) 171. Tarabagani erab, composition, (40) 712. Tarahagani erab, composition and nutritive value, (30) 62. Tarantula spider attacking bees, (40) 359. Tarabagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— sacchari, notes, (28) 66; (29) 53. viis, notes, (28) 655; (38) 755. Tarichium uvella, notes, (36) 757.		
vapors, effect on vegetation, (30) 32. water as soil disinfectant, (31) 621. Tarabagani crab, composition, (40) 171. Tarache delecta, studies, (40) 754. Taralli, composition and nutritive value, (30) 62. Tarantula spider attacking bees, (40) 359. Tarabagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— sacchari, notes, (28) 60; (29) 53. viis, notes, (26) 655; (38) 755. Tarichium uvella, notes, (36) 757. nephritis, studies, (40) 285, 383. Tartatae— determination in baking powder, (40) 712 toxic action, (40) 465. Tartaria— determination in mixture of dyes, (38) 12. notes, (36) 300. "Tarwad" bark as tanning agent, (37) 147. Titté— dietetic value, (29) 475. notes, (27) 880. Tarads of Japan, (36) 539. Tarads of Japan, (36) 539. Taration, land, notes, (29) 391. Taxonomic papers, standards for, (28) 855.	spraying machines, tests, (29) 687.	
Taracho delecta, studies, (40) 764. Taralli, composition and nutritive value, (30) 62. Tarantula spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Targe as green manure for wheat, (35) 428. Targionia— sacchari, notes, (28) 65; (30) 755. Tarichium uvella, notes, (36) 757. determination in baking powder, (40) 712 totacation, (40) 465. Tartazin— determination in mixture of dyes, (38) 12a notes, (36) 300. "Tarwad" bark as tanning agent, (37) 147. Tätwad" bark as tanning agent, (37) 147. Tätwad bark as tanning agen	vapors, effect on vegetation, (30) 32.	nephritis, studies, (40) 285, 383.
Taracho delecta, studies, (40) 763. Taralli, composition and nutritive value, (30) 62. Tarantule spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (26) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia—	water as soil disinfectant, (31) 621.	Tartrates-
Taralli, composition and nutritive value, (30) 62. Tarantula spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— sacchari, notes, (28) 66; (29) 53. viis, notes, (28) 65; (38) 755. Tarichium uvella, notes, (36) 757. Tarads of Japan, (36) 539. Taxation, land, notes, (29) 391. Taxonomic papers, standards for, (26) 855.	Tarabagani crab, composition, (40) 1/1.	determination in baking powder, (40) 712
Tarantula spider attacking bees, (40) 359. Tarbagans— notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— Targionia— Targionia— Saochari, notes, (28) 605; (39) 755. Tarichium uvella, notes, (26) 655; (36) 755. Tarachium uvella, notes, (26) 657. Tarachium uvella, notes, (26) 655. Tarachium nuvella, notes, (26) 855. Tarachium nuvella, notes, (28) 855.	Torolli composition and nutritive value (30) 62	
Tarbagans— notes, (27) 454. relation to plague, (26) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 426. Targionia— sacchari, notes, (26) 60; (29) 53. viis, notes, (28) 655; (36) 755. Tarichium uvella, notes, (36) 757. Tarads of Japan, (36) 539. Taxation, land, notes, (29) 391. Taxonomic papers, standards for, (26) 855.	Tarantula spider attacking bees, (40) 359.	
notes, (27) 454. relation to plague, (28) 653. susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 187. Tares as green manure for wheat, (35) 428. Targionia— sacchari, notes, (28) 60; (29) 53. viis, notes, (26) 655; (38) 755. Tarichium uvella, notes, (36) 757. Tarads of Japan, (38) 539. Taxation, land, notes, (29) 391. Taxanomic papers, standards for, (28) 855.	Tarbagans—	determination, (36) 714.
relation to plague, (28) 653. Susceptibility to pneumonic plague, (28) 180. Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— Sacchari, notes, (26) 65; (38) 755. Tarichium uvella, notes, (36) 757. Taxads of Japan, (36) 539. Taxads of Japan, (38) 539.	notes, (27) 454.	notes (36) 300
Tarchonanthus camphoratus, analyses and digestibility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia— sacchari, notes, (26) 65; (38) 755. Tarichium uvella, notes, (36) 757. Tatté— dietetic value, (29) 475. notes, (27) 880. Taurin, use against tuberculosis, (37) 275. Taxads of Japan, (36) 539. Taxads of Japan, (36) 539. Taxation, land, notes, (29) 391. Taxonomic papers, standards for, (28) 855.	relation to plague, (26) 653.	"Tarwad" bark as tanning agent. (37) 147.
bility, (27) 871; (32) 167. Tares as green manure for wheat, (35) 428. Targionia—	susceptibility to pneumonic plague, (28) 180.	
Tares as green manure for wheat, (35) 426. Targionia— Targionia— Sacchari, notes, (28) 60; (29) 53. Titis, notes, (26) 655; (36) 755. Tarichium uvella, notes, (36) 757. Tarichium uvella, notes, (37) 275. Taration, land, notes, (29) 391. Taration, land, notes, (29) 391. Taration land, notes, (29) 395.	hiller (27) 271. (29) 167	dietatic velue (20) 475
Targonia— Sacchari, notes, (26) 60; (29) 53. vitis, notes, (26) 655; (36) 755. Taxads of Japan, (36) 539. Taxads of Japan, (36) 539. Taxads of Japan, (38) 539.	Tares as green manure for wheat. (35) 426.	notes, (27) 880.
sacchari, notes, (28) 60; (29) 53. Taxads of Japan, (36) 539. vitis, notes, (26) 655; (36) 755. Taxation, land, notes, (29) 391. Tarichium uvella, notes, (36) 757. Taxonomic papers, standards for, (26) 855.		TRUTH, USE RESIDE CODE COOSES, (37) 210.
Tarichium uvella, notes, (36) 757. Taxonomic papers, standards for, (26) 855.	sacchari, notes, (26) 60; (29) 53.	Taxads of Japan, (36) 539.
Tarichium uvena, notes, (36) 757. Tariff revision in Belgium. (26) 93. Taxonus nigrisoma see Ametastegia glabrate.	vitis, notes, (26) 655; (36) 755.	Taxation, iand, notes, (29) 391.
	Tariff revision in Belgium, (26) 93.	Taxonus nigrisoma see Ametastegia glabrate.

Taxus—	Tea-Continued.
baccata, culture experiments, (26) 141. cuspidata, food plant of purple scale, (26) 756.	seed—bug, notes, (29) 446; (30) 853.
Tea-	gardens, care and management, (34) 835.
alkaloids in, (31) 358.	germination, (35) 745. germination and selection, (37) 835.
alkaloids in, (31) 358. analyses, (31) 358; (32) 856. analyses and valuation, (27) 612.	oil of, (37) 109.
aphis, notes, (37) 662.	planting experiments, (33) 842.
Arabian, culture in Egypt, (34) 232. aroma in, (26) 309.	iests, (30) 114, 742; (31) 339. seedlings, liming experiments, (33) 842.
artificial coloration, (27) 809.	selection experiments, (35) 745.
black rot, studies, (38) 354. blister blight, notes, (28) 241.	shot-hole borer, notes, (40) 266, 453, soils of Java and Sumatra, (38) 542; (39) 423,
box industry in Assam, (29) 440.	spraying apparatus for, (38) 355.
brown blight, notes, (38) 548.	statistics in United States, (33) 801.
brown blight, treatment, (38) 354; (39) 752. chemistry and manufacture of, (33) 842.	thrips, notes, (40) 59. tortrix, studies, (40) 153.
commercial, composition, (40) 14.	treatise, (29) 265; (36) 241.
cover crops for, (30) 444.	use by prehistoric Americans, (38) 167. value in the diet, (29) 664.
and manufacture in United States, (26) 641.	withering, fermentation, and drying, (37) 619.
and manufacture, treatise, (38) 347. at Peradeniya experiment station, (31) 837.	Teachers— agricultural instruction for, (26) 9, 198, 303, 595.
handbook, (39) 449.	697, 898; (27) 296, 490; (29) 297; (30) 93; (31) 494,
in Ceylon and British India, (28) 542.	498; (34) 697, 799. agricultural training for, (28) 8, 691; (30) 98; (32)
India, (32) 131. Natal, (28) 341.	897; (33) 596, 799.
Nyasaland, (26) 829. Persia and Trans-Caucasian Russia, (33)	correspondence courses for, (35) 592; (36) 96.
841.	county training schools for in Wisconsin, (36) 690.
Sumatra, (35) 449. various countries, (39) 214.	economic and social conditions of, (31) 462.
detection of color in, (30) 207.	farm school in Victoria, (35) 92. nature study training for, (29) 298; (34) 692.
diseases	of rural subjects, qualification, (20) 200.
and pests, control, (33) 643. and pests in Sumatra, (39) 57.	preparation for— nature study and civic hidrogy, (32) 808
control. (40) 349.	nature study and civic biology, (32) 898. rural work, (27) 897.
in India, (32) 346; (33) 050; (37) 252. notes, (28) 51; (27) 747; (30) 48, 845, 849; (31) 55, 56; (32) 340; (33) 545; (34) 744, 835; (38) 351, 354; (39) 452, 758; (40) 48, 53, 851.	secondary agriculture, (33) 798; (35) 406. relation to boys' corn club work, (26) 794.
55, 56; (32) 340; (33) 545; (34) 744, 835;	rural—
(38) 351, 354; (39) 452, 758; (40) 48, 53, 851. effect on gastric secretion (26) 466.	preparation, (26) 596. training courses for, (28) 897.
evaluation on stem content basis, (35) 266.	training in normal schools, (32) 690.
examination, (32) 64.	summer schools in Canada, (34) 597.
factors affecting quality, (35) 367. fermentation, investigations, (37) 44.	training, (35) 92. training—
fermenting, microorganisms in, (32) 111. fertilizer experiments, (30) 43; (32) 46; (34) 236.	and certification in Indiana. (32) 595.
835; (39) 647.	centers for, (33) 194, 195. for agricultural extension, (26) 299; (36) 293
from Origanum vulgare albitiorum, (33) 661.	for agricultural instruction, (36) 691.
fungus blights, notes, (39) 758. green manure crops for, (34) 344.	for rural schools, (32) 794.
green manuring experiments, (38) 20. heather, as substitute for black tea, (33) 866.	annual ring formation in, (34) 839.
imports into United States, (34) 43.	colonial, strength and elasticity tests, (27) 43.
improvement by selection, (37) 43.	forests in Burma, (26) 141. forests in Java and Madoera, (34) 239.
industry in Java and Sumatra, (36) 241. industry in Sumatra, (31) 639.	gummosis, notes, (27) 854.
industry in various countries, handbook, (30)	rot bacteria affecting, (29) 345. rotation period, (38) 545.
238. infusions, combination of caffein and tannin in,	stands, rotation, (39) 648. trees and stands, measuring, (34) 839.
(29) 463.	wood, natural regenerated, growth, (39) 546.
infusions, studies, (29) 566. ingestion as protection against cold, (35) 474.	wood, properties and utilization, (34) 440.
ingestion, effect on uric acid excretion, (37) 470.	working plans in Burma, (34) 839. Teal, Laysan, new generic name for, (37) 758.
insects affecting, (26) 553; (30) 753; (32) 340; (34) 549, 652, 835; (36) 355; (38) 461; (39) 556, 862; (40)	Teal, Laysan, new generic name for, (37) 758. Teals, reproductive organs of, (26) 876. Teasol—
259,	analyses, (28) 464.
Java, caffein in, (34) 166. leaves, analyses, (38) 626.	aphis, notes, (29) 454.
hooper caterpinar, notes, (26) 61.	culture, (30) 440; (31) 524. description and culture, (29) 142.
Malabar, tannin substances in, (31) 114. manufacture, (28) 360; (29) 118.	Teat strictures, treatment, (26) 183.
manurial treatment, (33) 842.	Technical— education in Canada, (31) 596.
manurial treatment, (33) 342. microorganisms in, (23) 512. mites, notes, (32) 557; (40) 656.	instruction in Ireland, (31) 898; (33) 790; (36)
mosquito, notes, (31) 680.	596; (38) 598. Technology, chemical—
notes, (29) 463. oil, detection, (29) 613.	of textile fibers, (32) 308.
osmotic pressure, (28) 262.	treatise, (29) 413. Teclu burner, new, description, (35) 801.
packing in foil containing lead, (33) 66.	1 ecoma radicans, notes, (27) 346.
plant, new, description, (26) 139. preparation for market, (28) 542.	Teeth—as affected by diet, (35) 767.
prices of in India, (30) 896.	degeneration in oxen and sheep, (33) 270.
pruning, (32) 236. pruning experiments, (39) 647.	Teff— brown, culture in Porto Rico, (29) 631.
Drilling Worlds treatment (20) 42	culture experiments, (33) 31.
red rust, notes, (31) 49; (34) 55, 249. rim blight, notes, (38) 355, 548. roots and their diseases, (37) 52.	grass — culture experiments, (30) 632; (38) 33.
roots and their diseases, (\$7) 52. scale, notes, (28) 754.	culture in Hawaii, (32) 730.
	culture in Rhodesia, (27) 637.

Teff—Continued.	Temperature—Continued.
grass—continued. culture under dry farming, (30) 435.	effect on—continued. bacteria in water, (29) 814.
culture under dry farming, (30) 435. notes, (26) 361; (37) 29. notes and analyses, (28) 738.	carbon dioxid excretion in man. (30) 264
varieties, (30) 435.	cattle ticks, (26) 459.
hav analyses (32) 465. (34) 435. (38) 368	cattle ticks, (26) 459. cement mortar, (33) 589. cereals, (27) 15. Chlamydomonas, (27) 729.
history and culture, (34) 435. Tegrodera cross, notes, (33) 746. Telamona sp., notes, (26) 148. Telamona sp., total (26) 456.	Chlamydomonas, (27) 729.
Telamona sp., notes, (26) 148.	complement fixation rate, (37) 688. destruction of invertase, (26) 504.
Traiga Dolv Diletiids, Motes, (20) 000.	diastases, (33) 30.
Teleas (?), notes, (31) 650. Telegony in fowls, (32) 263.	distribution of insects, (27) 655. expulsion of ascospores of chestnut blight
Telegraph poles, dry rot of, (33) 745.	fungus, (31) 451.
Telegraphy, wireless, use in meteorology, (32) 117. Telenomus—	ferments, (26) 308. flesh of poultry, (30) 259.
clisiocampae, notes, (36) 556.	flesh of poultry, (30) 259. fumigation, (29) 762.
coloradensis, parasitic on tent caterpillar, (37) 667.	effect on germination—
dilophonotae, notes, (28) 355. n.spp., descriptions, (26) 352; (32) 348. quaintancei, notes, (26) 857; (30) 659.	and growth of wheat, (29) 731. of conidia of downy mildew, (26) 851.
n.spp., descriptions, (26) 352; (32) 348.	of conidia of downy mildew, (26) 851. of Gramineae, (38) 24. of seeds, (26) 131, 200; (27) 220, 444; (28) 327; (31) 222; (35) 222.
sp., parasitic on army worms, (36) 60.	(31) 222; (35) 222.
sp., rearing and shipping, (29) 658. spp., notes, (31) 256.	effect on—
sphingis, notes, (29) 658.	Glomerella, (32) 749; (34) 541. glucose formation in potatoes, (33) 310.
vassilievi, transportation experiments, (31) 59. Telephone—	gravitation, (36) 419.
companies—	growth of corn seedlings, (32) 334.
cooperative, in Minnesota, (32) 688. mutual, in Wisconsin, (28) 593, 895.	growth of parasitic fungi in cultures, (38)
construction and maintenance in National For-	growth of peas, (35) 432. growth of small grains, (37) 533.
ests, (34) 191.	houseflies and mosquitoes, (33) 860.
systems, rural, in Germany, (31) 592. Telephorus lituratus, studies, (36) 858. Telfairia pedata, oil content, (31) 234.	human body, (34) 464.
Telfairia pedata, oil content, (31) 234.	housefiles and mosquitoes, (33) 860. human body, (34) 464. insects, (30) 545; (33) 252. lipolysis of esters, (28) 63. longevity of insects, (32) 244. metabolism, (31) 362. metabolism in animals, (32) 765. metabolism of her (23) 467.
Tellurium, effect on plants and plant parasites, (31) 826.	longevity of insects, (32) 244.
Temir experiment field, report, (26) 620.	metabolism, (31) 362.
Temporature—see also Climate and Soil tempera-	microflora of hay, (33) 467.
ture.	microflors of hay, (33) 467. milk fat, (29) 580. milk fat globules, (34) 570. moisture intake of seeds, (35) 222. moisture intake of seeds, (36) 222.
American, effect on European rainfall, (31) 416.	moisture intake of seeds, (35) 222.
and growing season in Illinois, (39) 319. annual, of United States, (28) 212. as affected by forests, (29) 812. as affected by smoke, (32) 117.	molting of walking-stick, (28) 353. nitrification in soils, (35) 627.
as affected by forests, (29) 812.	nuclease, (28) 803.
at Ass, Norway, (36) 617. at Mt. Weather and vicinity, (27) 316.	ovinosition of alfalfa weevil, (33) 257.
at Mt. Weather and vicinity, (27) 316. at various heights from ground, (27) 816.	permeability of plant cells, (85) 224. phototropism, (34) 628. phototropism in oat seedlings, (30) 725.
atmospheric—	phototropism in oat seedlings, (30) 725.
annual variations, (37) 417.	physical processes in soils, (34) 216. plant growth, (33) 129.
as affected by forest growth, (31) 415 as affected by snow and ice, (31) 511.	plant respiration, (28) 428; (36) 28.
body-	plant growth, (33) 129. plant growth, (33) 129. plant respiration, (28) 428; (36) 28. plant variation, (20) 339. potato scab, (33) 245. proteclytic activity of ferments, (35) 489.
in man after muscular work, (32) 564. regulation, (28) 666. rise during marching, (26) 566.	proteclytic activity of ferments, (35) 482. quality of wheat, (30) 664. rate of ammonification, (31) 127.
rise during marching, (26) 566. causes and effects of variation in range, (30) 211.	rate of ammonification, (31) 127.
changes-	reaction of lysin with nitrous acid, (38) 10.
due to terrestrial radiation, (36) 617. effect on branch movements in trees, (29) 526.	respiration coefficient of seeds, (29) 525. respiration of plants, (26) 822.
effect on infection of respiratory tract, (36)	respiration of plants, (26) 822. root growth, (36) 28.
64. effect of respiratory exchange of infants, (26)	strength of concrete, (34) 889. the organism, (32) 765.
766.	tropic sensitivity of out seedlings, (28) 630. water movement in soils, (34) 215.
forecasting, (35) 505.	winterkilling of cereals, (38) 415.
in, (33) 19. in Europe and North America, (31) 717.	yield of cereals, (28) 41.
world-wide, (37) 15.	extreme, in 1916, (36) 509. fluctuations in human body, (26) 406; (27) 768.
city and suburban, (27) 414. coefficient of permeability in plants, (38) 25.	gradients, vertical, (30) 317. gradients, vertical, in Hawaii, (27) 316.
coefficients in plant geography and climatology,	gradients, vertical, in Hawaii, (27) 316. high, effect on agglutinin formation, (36) 575.
(30) 117. conditions at New Orleans, (27) 816.	high, effect on frogs. (35) 851.
conditions at New Orleans, (27) 816. conditions in cranberry marshes of Wisconsin,	high, use against cereal insects, (32) 246. highest in United States, (33) 716.
(26) 514. control plant, notes, (29) 658.	in British Columbia, (34) 320.
correlations in United States, (38) 509.	central Rocky Mountain region, variations,
daily ranges in Nevada, (28) 716.	(26) 117. northern Europe, (31) 316. soils, relation to bacterial activity, (29) 423.
control plant, notes, (29) 658. correlations in United States, (38) 509. daily changes, (27) 816. daily ranges in Nevada, (28) 716. departures in United States, (28) 513.	soils, relation to bacterial activity, (29) 423.
determinations in entomology, (37) 355. determining probable minimum, (29) 510, 511.	United States, (27) 616. western and equatorial Africa, (34) 208.
diurnal changes in, (32) 810.	injurious to fruit, (27) 413, 439.
effect on— alcohol yeast, (29) 714.	injurious to irult, (27) 413, 439. interior, of concrete, (26) 214. inversion in Grand River Valley, Colo., (34) 614. inversions in relation to frost, (34) 715. inversions in relation to frost, (34) 715.
alfalfa, (31) 629,	inversions in relation to frost, (31) 715. low, after-effects on germinating oats, (35) 330.
bacteria in milk, (35) 777.	low, after-effects on germinating oats, (35) 330.
52831—26†——3 7	

Temperature—Continued.	Tendons-
	chemistry of, (28) 201.
anthrax bacillus, (32) 81.	form and function, in limbs of work animals,
decomposition of foods, (31) 659.	(29) 570.
enzyms, (33) 803.	Tendrils, nature, (38) 822. Tenebrio obscurus—
nother to memory and the second secon	life history, (34) 65.
fruit culture in New York, (34) 737	life history, (34) 65. remedies, (27) 258.
fruits and cider. (27) 460.	Tenebrionidae-
fruits and cider, (27) 460. fungi and bacteria, (34) 538.	catalogue, (26) 560.
germination of beet seeds, (37) 829.	larvae, injurious to tobacco, (29) 761,
germination of beet seeds, (37) 829. germination of seeds, (26) 821.	of Philippines, (31) 553.
grapes, (29) 839. milk, (31) 373.	Tennessee-
milk, (31) 373.	Station—
plant tissue, (32) 42; (35) 234. seeds, (27) 329.	financial statement, (28) 796; (20) 606.
spore germination of rusts, (27) 45.	notes, (26) 397, 900; (27) 388, 700, 900; (28) 196; (29) 98, 700; (30) 900; (32) 388, [600; (32) 198; (35) 98; (37) 198, 499, 600, 797; (20) 27, 608; (40) 108, 409, 600, 600, 600, 600, 600, 600, 600, 6
trichina, (34) 83.	(32) 108: (35) 98: (37) 198 400 600 707
wintering of cercals, (26) 733.	(39) 97, 698; (40) 199, 499, 600, 900,
young apples, (27) 546.	(39) 97, 698; (40) 199, 499, 600, 900. report of director, (28) 796; (29) 696.
low—	ranaric (38) 308
germicidal effect, (34) 382.	University, notes, (26) 397, 900; (27) 398, 700, 900; (28) 196; (29) 98, 700; (30) 900; (32) 398, 600; (33) 198; (35) 98, 400; (36) 197; (37) 198, 300, 600; (38) 700; (39) 97; (40) 199, 098.
in rice culture, (35) 718. in Sudan, (31) 229.	900; (28) 196; (29) 98, 700; (30) 900; (32) 398
in Sudan, (31) 229.	600; (33) 198; (35) 98, 400; (36) 197; (37) 198
of southern Hemisphere, (34) 118. physiological effects, (26) 452.	300, 000; (38) 700; (39) 97; (40) 199, 698.
protection of plants against, (27) 333.	Tenodera sinensis, notes, (27) 755. Tension, effect on root structure, (32) 825.
lowest, (38) 210.	Tent caterpillar—
lowest with salt and ice. (31) 615.	cocoons poisoning hogs, (40) 586.
lowest with salt and ice, (31) 615. mean, time of observation, (27) 616.	egg contest, (33) 58.
minimum and sunrise, difference in time, (40)	in California, (32) 152.
314.	notes, (29) 158, 251, 558; (32) 448, 551; (33) 155, 252; (34) 654, 752; (36) 854. polyhedral virus, (40) 255.
minimum, on Mt. Whitney, (28) 415. minimum, predicting, (32) 811; (38) 209, 812. mountain and valley, (36) 718.	252; (34) 654, 752; (36) 854.
minimum, predicting, (32) 811; (38) 209, 812.	polynedral virus, (40) 255.
mountain and valley, (36) 718.	remedies, (32) 540, 847. Tent materials for frost protection, (33) 48.
of cultivated and uncultivated soils, (33) 510.	Tentheoris bioder notes (40) 754
expired air, (31) 466.	Tenthecoris bicolor, notes, (40) 754. Tenthredinida in Luga district of Government of
glacial plunge basin, relation to vegetation, (40) 326.	Petrograd, (34) 758.
ocean depths, (36) 719. soils, under different conditions, (27) 214.	Tenthredinoidea—
soils, under different conditions, (27) 214.	immature stages, (31) 155; (33) 97,
the atmosphere, (34) 614. optimum, for plant growth, (38) 716. records, (30) 17: (31) 416; (32) 717. regulator, description, (29) 567.	immature stages, (31) 155; (33) 97. of Argentina, (31) 256.
optimum, for plant growth, (38) 716.	Tenuipaipus-
records, (30) 17; (31) 416; (32) 717.	bioculatus n.sp., description, (33) 659.
relation to—	bioculatus, notes, (36) 859.
cabbage Fusarium disease, (33) 346.	californicus, notes, (28) 457. Teosinte—
chestnut blight, (37) 557.	and corn, crossing experiments, (26) 40.
corn and wheat production, (38) 317.	and corn hybrids, immunity to aphids, (38) 561.
corn vield. (35) 618.	as forage crop. (31) 829.
cranberry fruit rots, (38) 454.	as forage crop, (31) 829. culture, (32) 226; (37) 136.
cranberry fruit rots, (38) 454. crop production, (28) 716; (38) 208. crop systems and production, (26) 415.	culture—
distribution of marina ulgan (24) 22	experiments, (20) 426; (33) 31, 33; (37) 529;
distribution of marine algae, (34) 32. germination of seeds, (33) 826.	(38) 527.
grape downy mildew. (27) 49, 449; (28) 448.	in enstern Oregon, (38) 432. in Philippines, (26) 361. in Rhodesia, (27) 637.
grape downy mildew, (27) 49, 449; (28) 448. grape roncet, (20) 550; (28) 349.	in Rhodesia, (27) 637
insect development. (31) 349.	notes, (26) 362.
insects, (31) 847. leaf fall, (27) 221.	water requirement, (32) 127.
leaf fall, (27) 221.	Teparies, studies, (28) 630.
plant growth, (35) 328; (39) 615.	Tepary beans-
potato diseases, (30) 649.	as dry farm crop, (20) 736; (39) 736.
spring wheat yield, (33) 117; (39) 210. sun spots, (38) 115; (40) 416.	oniture, (32) 226.
wheat production in Australia, (36) 209.	culture experiments, (29) 426; (32) 526; (33) 31; (38) 631.
wind velocity, (40) 715.	drought resistance, (39) 835.
wind velocity, (40) 715. winter wheat yields, (38) 14.	feeding value, (39) 776.
role in distribution of plants, (31) 522.	drought resistance, (39) 835. feeding value, (39) 776. notes, (27) 520.
rôle in distribution of plants, (31) 522. summations, methods, (39) 810. summer, at Paris and at Reno, Nevada, (33) 717.	seed production, (38) 828.
summer, at Paris and at Reno, Nevada, (33) 717.	yields, (35) 527; (39) 434.
sunramaximal effect on plants (20) 27	Tephrites onopordinis, oviposition, (40) 457.
sums, value in phonology, (27) 509. supramaximal, effect on plants, (29) 27. survey of Nevada, (27) 241. underground, (35) 518. variability, (36) 19. veriability.	Tephrochlamis canescens, hibernation, (34) 254. Tephrosia—
underground, (35) 618.	candida, culture experiments, (27) 233.
variability, (36) 19.	hookeriana as a host plant of pink disease,
7 011 1011 01115	(35) 154.
anomalies, (38) 210.	purpurea, analyses and digestibility, (27) 871;
in a mountain valley, (34) 613.	(32) 167.
in among crops, (30) 17.	purpurea as green manure for tice. (30) 339.
in France, (34) 415. Tenant—	purpurea, culture, (30) 335. spp., analyses, (29) 215.
and landlord—	opp., analyses, (20) 210.
contract between, (32) 390.	spp. as green manure, (36) 324. spp., fertilizing value, (34) 34.
distribution of produce between, (31) 390.	Teratology—
division of capital between, (31) 192	of plants, notes, (36) 734.
partnership between, (30) 399.	of blants, treatise, (36) 430.
partnership between, (30) 399. farm problems, notes, (29) 634. farmers in Great Britain, condition, (26) 791. Tendipedidee of Cauary Islands, (39) 868.	TEFINS DIGITION DITTOR COLOR WORLD (AD) 202
Tondipedidae of Capary Islands (20) 280	Termes—see also Leucotermes. flavipes, notes, (27) 657; (30) 154; (35) 54. flavipes on cerniums (32) 58
Tendipes plumosus, notes, (32) 554.	mavipes, notes, (27) 657; (30) 154; (35) 54.
x (on) cost	flavipes on geraniums, (38) 58.

Manuar Continued	Metanus Continued
Termes—Continued. gestroi as pest of Para subber, (35) 544; (36) 755	Tetanus—Continued. serum, valuation, (26) 178.
gestroi, notes, (28) 353.	spores, destruction in vaccine virus, (39) 80.
gestroi, notes, (28) 353. gestroi, remedies, (38) 759.	spores in street dust, (38) 885.
fucificity, destruction of leawood by, (26) 858.	toxin— action of formaldehyde on, (26) 782.
natalensis, notes, (30) 250. Terminalia tomentosa, notes, (29) 443.	and antitoxin, avidity of, (26) 676.
Termites-	antitoxin mixtures, immunization with,
association with Entoloma microcarpum, (31)	(34) 580.
58, black of Ceylon (31) 58.	concentration and purification, (34) 579. effect on autolysis, (27) 183.
black, of Ceylon, (31) 58. control in Malay Peninsula, (38) 460.	fixation, (26) 378. neutralization of activity, (30) 182.
destructive to rubber, (24) 353.	neutralization of activity, (30) 182.
destructive to rubber, (28) 353. destructive to trees, (28) 563. last African, notes, (30) 250 fungi cultivated by, (40) 453. Hevea, of Java, (31) 156. in Cuba, notes, (40) 453. in over Murded Stets. (29) 755.	production, (36) 383. toxins, separation from other toxins, (38) 786.
fungi cultivated by. (40) 453.	treatment, (26) 378, 783; (27) 183, 381; (29) 679,
Hevea, of Java, (31) 156.	treatment, (26) 378, 783; (27) 183, 381; (29) 679, 883; (31) 580; (32) 476; (34) 782; (35) 75, 379, 784; (37) 79; (38) 580, 585; (40) 186, 779.
in Cuba, notes, (40) 453.	(37) 79; (38) 580, 585; (40) 186, 779. Tetany, parathyroid, in cats and dogs, (27) 787.
in eastern United States, (32) 755.	
furniture and woodwork. (36) 355.	Tethelin— effect on growth of white mice, (35) 865.
geraniums, (33) 58. pecan, (38) 157.	isolation and properties, (35) 8.
shotgun cartridges, (37) 255.	use against tuberculosis, (37) 880.
sweet potatoes, (40) 260.	Tetracarbonimid—
sweet potatoes, (40) 260. Japanese, revision, (36) 654.	identity with cyanuric acid, (38) 202. studies, (32) 215.
lucifuge, studies, (27) 555. nature and remedies, (28) 753.	Tetradymia glabrata, toxicity, (39) 184.
notes. (27) 54, 454; (30) 154, 657, 853; (35) 54, 853;	Tetragonolobus purpureus, nodule bacteria of, (32)
notes, (27) 54, 454; (30) 154, 657, 853; (35) 54, 853; (40)352.	33.
of india, (38) 359, 461.	Tetraleurodes— mori, notes, (33) 59; (34) 752.
of West Africa, (36) 754.	olivinus n.sp., description, (26) 149.
remedies, (27) 555; (31) 155. ridding houses of, (28) 562. studies, (27) 357; (28) 159, 562; (34) 754. timbers resistant to, (30) 536, 754.	olivinus, notes, (27) 56.
studies, (27) 357; (28) 159, 562; (34) 754.	Tetralobius fortnumi, notes, (39) 557.
Timbers resistant to, (30) 536, 754.	Tetrameres fissispinus, notes, (35) 878. Tetramorium caespitum—
Terns, notes, (27) 355. Terpenes, physical constants, (36) 12.	as pest of cold-frame and greenhouse crops, (34)
Terra rossa, origin, (39) 513.	657.
Terraces— (20) 514: (24) 810: (27) 87	injurious to tobacco, (30) 759. Tetramyxa—
construction, (32) 514; (34) 819; (37) 87. Mangum, notes, (27) 720.	palustre, tissue invasion by, (40) 50.
Terracing—	parasitica, studies, (27) 46.
Terracing— farm lands, (40) 188.	Tetraneura-
in Java, (36) 723. in Texas, (35) 887.	ulmi, notes, (28) 655. ulmisacculi, notes, (33) 253.
moisture and fertility control by, (31) 317.	
notes, (32) 597.	Tetranobia longipes, notes, (38) 365.
of Java tea soils, (36) 320. Terrapin scale—	Tetranobia longipes, notes, (38) 365. Tetranychina n.sp., description, (36) 660. Tetranychoides californicus, notes, (28) 457.
control in Maryland, (27) 552.	Tetranychoides californicus, notes, (28) 457.
investigations, (35) 156.	Tetranychus-
notes, (29) 353. remedies, (26) 755.	bimaculatus— in greenhouses, (39) 65.
Terrestrial—	in greenhouses, (39) 65. notes, (26) 153; (28) 554, 855; (29) 360, (35) 263, 657; (38) 365.
magnetism and solar radiation, concomitant	263, 657; (38) 365.
changes in, (34) 614. rotation, effect on atmosphere and ocean, (32)	on easter read, (40) 400.
614.	on castor bean, (40) 453. remedies, (28) 759. studies, (27) 264; (29) 261; (36) 557.
Terriers-	bioculatus, notes, (30) 302.
Airedale, prepotency in, (29) 770. popular sires of, (34) 370.	citri n.sp., description, (36) 261. dufour, studies, (35) 254.
Testes—	gloveri, notes, (20) 800.
as affected by Roentgen rays, (26) 364.	modestils, notes, (37) 546
extract, effect on milk production, (37) 173. regeneration after experimental orchectomy in	multidigituli n.sp., description, (38) 63. mytilaspidis, occurrence in Oregon, (28) 859.
birds, (30) 266.	n.spp., descriptions, (33) 659; (36) 660. pilosus, notes, (26) 254; (33) 659. sp., notes, (27) 155; (29) 883.
Testicle, interstitial gland, relation to secondary sex	pilosus, notes, (26) 254; (33) 659.
characters, (40) 467.	sp., notes, (27) 155; (29) 853. spp., life histories and habits, (28) 457.
Testicular—antiserum, toxicity, (28) 676.	spp., notes, (32) 557; (34) 60.
cells, interstitial, in chickens, (34) 204.	spp., notes, (32) 557; (34) 60. spp. on cinchona and tea, (40) 656.
cells, interstitial, role of, (27) 09.	spp., remedies, (31) 549. spp., synonymy, (32) 156.
cells, interstitial, studies, (26) 364; (28) 668. Tetanus—	
antitoxin-	distribution, (32) 63. in Ohio, (34) 59. in thirdup to alfalfa (38) 558.
fixation by leucocytes, (26) 177.	in Ohio, (34) 59. injurious to alfalfa, (38) 558.
preparation, (35) 384. standardization, (31) 880.	remedics. (40) 453.
studies, (39) 489.	remedics, (40) 453. studies, (32) 156. tiliarum, notes, (29) 58.
bacilli—	tiliarum, notes, (29) 58. uniunguis n.sp., description, (38) 63.
disinfection, (40) 478. distribution and habitat, (33) 580.	m i haraka
in healed wounds, (36) 480.	Tetraphosphate—
studies, (39) 389.	Tetraphosphate—description, (37) 722. description, (37) 722. fertilizing value, (38) 424; (39) 427, 428. Tetraphosphoric-acid ester of inosit, studies, (27)
480, 880; (32) 274; (33) 84; (39) 388; (40) 179, 580.	Tetraphosphoric-acid ester of inosit, studies, (27)
in healed wounds, (36) 480. studies, (38) 389. immunization. (28) 578; (27) 381; (29) 780; (31) 480, 880; (32) 274; (33) 84; (39) 388; (40) 179, 580. investigations, (33) 282. papers on, (33) 176. prophylaris by antitoxic serum, (36) 181.	406. Tetraplasy, notes, (29) 67.
papers on, (33) 176.	Tetrapiasy, notes, (20) 01. Tetrastichini, notes, (30) 857.
prophylaxis by antitoxic serum, (36) 181.	

```
Textile—Continued.
plant fibers, strength of, (29) 312.
plants, treatise, (34) 829.
Tetrastichodes detrimentosus n.sp., description,
        (31) 355.
Tetrastichomyla, new genus, (39) 468.
Tetrastichopsis prionomeri n.g. and n.sp., (39) 468.
                                                                                                                                                                                                                       Textiles-
                                                                                                                                                                                                                    Textiles—
choosing, (31) 394.
handbook, (30) 598.
notes, (32) 597.
of ancient America, (38) 167.
prices in India, (30) 806.
removal of stains from, (38) 114.
retting, (38) 715.
testing, constant temperature and humidity,
room for, (38) 111.
"Textiloso" from paper pulp, (38) 208.
Thatia divaricata, culture for wild ducks, (33) 251.
Thamnotettix pominatus, notes, (27) 859.
Thancoelerus guodi—
             trastichus—
antiquensis n.sp., description, (26) 352.
aspungt, life history, (28) 553.
aspungt, notes, (39) 163.
aspungt, pansitism, (31) 154.
aspungt, pansitism, (31) 155.
bruchophaet, studies, (33) 655.
bruchophaet, studies, (36) 750.
ceocinellae, biology, (30) 751.
doteni n.sp., description, (26) 863.
gentilei n.sp., description, (26) 553.
giffardianus—
m Hawaii, (38) 659.
 Tetrastichus-
              Thaneroclerus guodi—
larva, description, (40) 750.
notes, (29) 359.
                                                                                                                                                                                                                       Thea-
                                                                                                                                                                                                                       spp., stomata of, (36) 223.
22-punctata, notes, (36) 754.
Thecabius—
ISS I.Sp., description, (36) 556.
malacosomae—
n.sp., description, (36) 556.
parasitic on tent caterpillar, (37) 667.
n.spp., descriptions, (30) 857; (31) 355; (34) 66;
(35) 262; (38) 165.
ovipransus n.sp., description, (37) 856.
ovipransus n.sp., description, (20) 353.
platensis, notes, (27) 559.
pyrillae n.sp., description, (30) 559.
sp., parasitic on alialfa weev.l, (31) 61.
sp., parasitic on siar scale, (26) 556.
sp., parasitic on fruit flics, (31) 456.
sp., notes, (36) 556.
spp., notes, (38) 62.
Tetriginae (Acridiinae), notes, (27) 858.
Tetropium gabrieli crawshayi, not s, (32) 155.
Tettigidae, breeding experiments, (40) 367.
Tettigonia—
                                                                                                                                                                                                                     populicaulis, notes, (34) 453.
spp., notes, (31) 351.
Thecodylosis moscllana—see also Diplosis tribici and Wheat midge.
                                                                                                                                                                                                                    and Wheat midge,
description, (28) 637.
in Ontailo, (40) 653.
Thecopsora pirohe, overwintering, (33) 647.
Theilerin parva—
development, (26) 582.
morphology and biology, (28) 478.
notes, (34) 384.
Theileriosis in Russian Turkestan, (37) 374.
Theisoa constrictella, life history, (33) 655.
                                                                                                                                                                                                                        Thelephora-
                                                                                                                                                                                                                       lichenicola, notes, (28) 556,
pedicellata, notes, (27) 445; (28) 545.
Thelia bimaculat —
                                                                                                                                                                                                                       life history, (34) 255.
notes, (26) 148.
Themeda spp., notes, (26) 362.
Theobroma eveno—
  Tettigonia-
                bifida, notes, (27) 859.
similis, notes, (29) 53.
                                                                                                                                                                                                                                      character and habits, (35) 730. insects affecting, (26) 351.
                chamaepitys, unalyses, (33) 466.
scorodonia as affected by light, (29) 526.
                                                                                                                                                                                                                        Theobromin-
                                                                                                                                                                                                                      Theobramin—
determination in co.oa and chocolate), 37) 312.
in tea, (31) 358.
Theophila spp., notes, (27) 456.
Theophyllin in tea, (31) 358.
Therapeutic agents—
handbook, (31) 478.
newer, notes, (25) 580.
Therapeutics—
biological pates (22) 276.
                College, notes, (26) 97, 191, 397; (27) 99; (28) 495, 798; (29) 197; (31) 198, 497, 600, 798; (33) 400, 600, 700; (34) 497; (36) 500, 899; (37) 99, 898; (38) 800.
                fever
                             er—control in Kentucky, (89) 679.
disense resombling, (32) 751.
etiology and treatment, (31) 85; (35) 884.
immunization. (27) 184; (28) 882; (31) 883;
(32) 476; (38) 787.
in Australia, (30) 82.
in Hondurus, (27) 171.
in Turkey, (38) 183.
nature and treatment, (27) 284.
rotes. (27) 81 475 570; (29) 286; (40) 884.
                                                                                                                                                                                                                     Therapoutics—biological, notes, (23) 876.
for voterinarians, textbook, (32) 79.
papers on, (29) 576.
physiologic principles in, (29) 500.
review of literature, (32) 678.
Therapy, infection, and lumunity—textbook, (38) 781.
treatise, (33) 476.
Therapout of streams, studies, (28) 757.
Therava sp. as a ryo pest, (38) 557.
Theridion spp., notes, (29) 256.
Thermobia domestica, notes, (37) 255.
Thermobia domestica, notes, (37) 255.
Thermograph, differential, description, (30) 17.
Thormosopic his for Washington, D. C., (33) 320.
Thermoneter—
                                noies, (27) 81, 475, 570; (29) 256; (30) 884; (30) 81, 81, 442, studies, (35) 77. tlok, see Cattle tick.
                                treatment, (27) 38
(32) 682; (36) 384.
                                                                                                   384; (29) 658; (30) 282;
                 Station-
                                and substations, appropriations asked for,
                                        (32) 796.
               (32) 796.
financial statement, (29) 698.
notes. (26) 97, 194, 495, 606, 900; (27) 99;
(28) 398, 798; (29) 600; (31) 798; (32) 498,
696; (33) 400, 600, 700; (34) 398, 798; (36)
599; (37) 99, 600, 808; (38) 800; (39) 698;
(40) 99.
report, (32) 291; (34) 494; (36) 390; (39) 499.
report of director, (29) 696.
Stations, needed appropriations for, (28) 796.
                                                                                                                                                                                                                        Thermometer-
                                                                                                                                                                                                                        exposure, uniform, (31) 118, history and use, (32) 210. Kata, notes, (36) 419, use in cookery, (31) 359. Thermometers—
                                                                                                                                                                                                                       Thermometers—
incubator, tests, (36) 770.
shade, testse (30) 17
Thermometric scales, revision, (38) 811.
Thermo-somose in soils, (34) 216.
Thermoprecipitin reaction—
notes, (31) 878.
Stronger Stronger Value, (27) 86.
 Textile-
                 fibers
                fibers—
bibliography, (31) 196.
chemical technology of, treutise, (32) 308.
from Epilobium angustifolium, (32) 509.
methods of analysis, (27) 205.
industry of the world, (40) 827.
law, need for, (30) 686.
mills, artificial humidification in, (31) 70.
plant fibers, check list, (38) 637.
                                                                                                                                                                                                                         Thermopsis lanceolats, carotinoid content, (31) 803. Thermotoxy of cotton in Egypt, (30) 528. Thermotropism of roots, (31) 728; (32) 222. Theronia—
                                                                                                                                                                                                                                        flavicans, parasitic on gipsy moth, (31) 652. fulvescens, notes, (26) 863.
```

harrilaahus aanatraahali-	(OT) 100
hersilochus conotracheli— notes, (27) 864.	Three-days' fever, notes, (37) 460.
studies, (35) 857.	Threshing— machine—
Thespesia—	fires, cause, (32) 86.
glands of, (39) 131.	fires, notes, (32) 386.
populnea, fertilizing value, (29) 215.	hand, description, (29) 87.
Thevetia nerifolia, notes, (27) 862. Thielavia—	machines—
basicola—	cooperative ownership, (34) 392.
as root parasite of watermelon, (33) 852.	description, (30) 488. dissemination of smut by, (31) 148.
conidial characters and behavior, (35) 247.	dust explosions and fires in, (35) 688.
description and treatment, (31) 448, 840.	electrically driven, tests, (31) 188.
host plants, (36) 349.	exhaust fans for, (40) 49, 746.
infection experiments, (28) 547. notes, (26) 551, 849; (27) 45, 249; (29) 245, 549, 650, 753; (30) 649; (33) 744; (36) 50; (37) 38. on beans, (36) 248.	notes, (30) 89.
650, 753; (30) 649; (33) 744; (36) 50; (37) 38	operation, (39) 793.
on beans, (36) 248.	steam v. dectricity for, (28) 685, tests, (27) 485; (30) 892; (34) 891. power for (28) 591; (29) 892; (30) 590.
relation to sweet heastreak disease, (32) 446.	power for (28) 591; (29) 892; (30) 590.
resistance of tobacco to, (31) 448.	with electricity, (32) 282.
studies, (35) 547; (36) 845; (37) 155. tobacco resistant to, (36) 349. treatment, (32) 545; (36) 50.	Thricolepis mornata, notes, (32) 651.
treatment (32) 545. (36) 50	Thriphleps insidiosus, notes, (28) 457. Thripoctenus—
temperature relations, (39) 854.	brui, description, (31) 853.
Thielaviopsis—	nubilipennis n.sp., description, (35) 756.
ethaceticus, notes, (29) 650; (34) 841; (38) 354,	russelli—
758.	in England, (32) 348.
paradoxa	n.g. and n.sp., description, (26) 863.
244 · (26) 541 · (27) 459 · 659 · (29) 250 759	notes, (28) 250.
851: (39) 849: (40) 47, 751.	parasitic on Thysanoptera, (26) 858. studies, (27) 262.
notes, (26) 145; (29) 345, 647; (30) 541; (31) 844; (36) 541; (37) 452, 652; (38) 350, 758, 851; (39) 849; (40) 47, 751. on sugar cane, (40) 157.	Thrips—
rolation to temperature, (33) 343.	affecting oats, (27) 452.
sp., notes, (28) 241.	attacking French beans, (38) 258.
Thimbleberry—	corticis, validity, (34) 550.
crossing with raspberry, (36) 442. rust, notes, (33) 647.	flava as a carnation pest, (26) 347.
Thiobarbituric acid—	injurious— in British Guiana, (36) 252.
as precipitant for furfural, (36) 318.	to alfalfa. (29) 252.
as qualitative reagent for ketchexose, (37) 206.	to grapes, (28) 354.
as precipitant for furfural, (36) 318. as qualitative reagent for ketohexose, (37) 206. with aromatic aldehydes, (36) 313.	to oats, (31) 351.
Thiocarbamid, nitrilication rate, (32) 124.	new species, (26) 553.
Thiophene test for factic acid, (40) 114.	new species, description, (37) 258.
Thiospirillum ignesse and its reaction to light	notes (27) 356 857: (28) 654: (29) 252: (30) 250
Thiocarbamid, nitrification rate, (32) 124. Thiophene test for lactic acid, (40) 114. Thiophene ingrica, studies, (28) 820. Thiospirillum jenense and its reaction to light stimulus, (35) 431.	in British Guiana, (36) 252. to alfalfa, (29) 252. to grapes, (28) 354. to oats, (31) 351. new species, (26) 553. new species, (26) 553. new species, in America, (34) 61. notes, (27) 356, 867; (28) 654; (29) 252; (30) 250, 658; (31) 155; (32) 56, 763. of British Guiana, (40) 163. of Trinidad, notes, (40) 649. oryzae n.sp., description, (35) 357. • outbreak in orchards, (32) 755.
Thiosulphate-	of British Guiana, (40) 163.
determination, (35) 804.	of Trinidad, notes, (40) 649.
determination in presence of sulphites, (31) 15. fertilizing value, (29) 521.	oryzae n.sp., description, (35) 357.
Thiothrix ann investigations (29) 728	outbreak in orchards, (32) 755.
Thiothrix spp., investigations, (28) 728. Thiovulum n.g. and n.sp., studies, (30) 133. Thirst, physiological basis, (40) 767.	pisivora, notes, (32) 848.
Thirst, physiological basis, (40) 767.	pollination of beets by, (31) 549. red-banded, studies, (28) 353.
Thistle—	relation to nonsetting of fruits and seeds, (34)
butterfly, notes, (32) 651.	355.
Canada—	remedies, (27) 357.
control, (40) 339, 430. destruction, (30) 236, 639; (34) 736.	sp. affecting tobacco in Java, (31) 249. tabaci, see Onion thrips.
distribution and destruction, (29) 538.	Thromboplastin—
host of Heterodera radicicola, (31) 642.	hemostatic action, (36) 576.
Russian—	rôle of in coagulation of blood, (26) 580.
analyses, (28) 464.	Throscidae of Brazil, (35) 261.
as forage crop, (38) 634.	Thrushes—
as forage crop, (38) 634. as slinge crop, (38) 609; (39) 134. oradication, (27) 733; (32) 134. water requirement, (32) 127.	economic importance, (31) 349. feeding habits, (28) 450; (34) 59.
water requirement, (32) 127.	Thrypticus muhlenbergiae n.sp., life history, (30)
rust, description, (31) 153.	253.
rust, notes, (30) 48.	Thuarea involuta, notes, (26) 362.
Thistles—	Thuja occidentalis, wood structure, (27) 147.
analyses, (30) 565. coccinellids affecting, (33) 256.	Thunder— and hail in region of Paris, (36) 208.
eradication, (26) 538; (39) 744.	distance heard, (38) 210.
Thitsi tree and its oleoresin, (38) 247.	in Paris region, (36) 719.
Thlaspi arvense—	Mountain, devastated condition, (40) 811.
dissemination by farm animals, (26) 839.	notes, (32) 810.
notes, (28) 46; (36) 442. Thomas— (20) 142.	Thunderbolt beetle, notes, (28) 653.
meal, notes, (26) 126.	Thunderstorm— at Charleston, S. C., (30) 417.
slag, see Phosphatic slag.	at Charleston, S. C., (30) 417. at Macon, Ga., (29) 812. at Washington, D. C., (29) 812.
Thomomys-	at Washington, D. C., (29) 812.
bottae, susceptibility to plague, (26) 59.	in Trinity Co., California, (38) 511.
jacinteus n.sp., description, (33) 152.	Thunderstorms—
revision, (34) 449.	forecasting (34) 614: (35) 808
Thorium— content of earth's crust (34) 819.	in Kansas. (29) 510, 721.
effect on permeability, (34) 34,	effect on milk, (32) 873. forecasting, (34) 614; (35) 808. in Kanass, (29) 510, 721. in United States, (34) 117, 615.
content of earth's crust, (34) 619. effect on permeability, (34) 34. effect on plant cells, (27) 826.	notes, (32) 24.
emanations in soils, (27) 418.	notes, (32) 24. studies, (28) 788. Thurberia thespesioides—
in soils of United States, (31) 418.	"Inurperia thespesioldes—
in soils of United States, (31) 418. X, effect on plant growth, (29) 131. Thorn skeletonizer in New York, (38) CO.	as host plant of cotton boll weevil, (29) 458; (30)
	T-7

```
Thurberia thespesicides—Continued. description, (31) 633. distribution, (33) 257. insects affecting, (31) 350; (33) 57.
                                                                                                                                                                                                                                                                     Ticks-Continued.
                                                                                                                                                                                                                                                                                        brown, remedies, (27) 476.
brown, transmission of amakebe by, (26) 882.
Canadian, review of literature, (35) 858.
Thuya—
orientalis, description and culture, (30) 346.
plicata, damaged by squirrols, (20) 552.
                                                                                                                                                                                                                                                                                        control-
                                                                                                                                                                                                                                                                                                          in Antigua, (31) 679.
in Dutch East Indies, (40) 682.
in South Africa, (28) 181.
relation to Rocky Mountain spotted fever,
 Thymol—
as milk preservative, (32) 576.
as vermituge, (38) 884.
chloroform, effect on chlorin content of urine,
(40) 614.
content of horsemint and alowan seed, (39) 712.
effect on hyacinths and tulips, (26) 731.
production from horse mint, (35) 344.
Thymolsuliophthalein as an indicator, (39) 807.
                                                                                                                                                                                                                                                                                      relation to Rocky Mountain spotted fever, (26) 63.
destruction, (31) 356.
destruction by arsenical dips, (29) 886.
diseases transmitted by, (34) 576; (40) 587.
distribution of spirochetes in, (31) 81.
oradication, (28) 759; (29) 585; (31) 182; (32) 81,
251, 274; (33) 679; (34) 184, 185, 273; (36) 675;
(37) 477; (38) 179; (39) 670; (40) 880.
eradication—
  Thymus-
gland as affected by X-rays, (38) 268.
gland, pathology, (27) 576.
tissue, cleavage by normal serum, (31) 378.
Thyrecoris pulicarius on artichoke, (40) 58.
                                                                                                                                                                                                                                                                                     eradication—
effect on cattle industry of the South, (31)
SS3.
in South Africa, (28) 153.
in the South, (29) 500.
laws and regulations, (37) 881.
iguan, studies, (40) 359.
in Brazil, (27) 361.
British Museum, (37) 560.
New South Wales, (30) 684.
New Zealand, (39) 567.
Queensland, (27) 562.
West Indies, (27) 460; (30) 857.
infesting domestic animals in Russian Turkestan, (37) 360.
infesting marmots, (37) 879.
inflammation following bite of, (20) 585.
monograph, (35) 263.
new species, descriptions, (26) 460.
North American, life histories, (29) 861.
notes, (27) 53, 361; (31) 79.
of Barbados, (40) 56.
Belgian Kongo, (35) 366.
Nigeria, (34) 551.
Paraguay, (38) 468.
Uganda, (34) 569.
Pajarcello, life history and biting habits, (35) 662.
Parasite of, (30) 255.
                                                                                                                                                                                                                                                                                                           effect on cattle industry of the South, (31)
 Thyridaria tarda-
                  yridaria tarda-
injurious to rubber, (28) 451.
notes, (27) 451; (28) 149, 241; (29) 548, 647, 749;
(33) 741; (34) 540, 744; (35) 45, 251, 353; (36)
347, 852; (38) 364.
on sugar cane, (40) 157.
on tea roots, (37) 52.
relation to rubber spotting, (29) 451.
  Thyroid
                   feeding, effect on carbohydrate metabolism, (39) 69.
                   feeding, effect on catalase content of tissues, (38) 870.
gland—
active constituent, (37) 65; (39) 803.
as affected by diet, (26) 159.
effect on nitrogenous metabolism in sheep, (32) 562.
enlarged, in swine, (40) 185.
extract, effect on milk production, (37) 173.
iodin in, (34) 580.
hyperplasia, (39) 187.
secretion, relation to metabolism, (29) 888.
Thyro-parathyroid, importance in carbohydrate
assimilation, (30) 464.
                                                                                                                                                                                                                                                                                         parasite of, (30) 255.
protozoan parasites transmitted by, (37) 481.
                ysanoptera—
anatomy and feeding habits, (34) 355.
antennal antigeny in, (34) 356.
British, notes, (37) 257.
classification, (33) 556.
generic names, (31) 351.
head and mouth parts, (33) 658.
internal parasite of, (26) 858.
locality and food plant records, (31) 550.
new, from West Africa, (35) 255.
new, in America, (34) 62.
new, in California and Georgia, (26) 553.
new, in United States, (36) 253.
notes, (27) 757.
of Cuba, (40) 353.
Florida, (40) 353.
France, (29) 853.
Plunumer's Island, Maryland, (37) 561.
St. Vincent, (39) 558.
ysanosoma actinioides—
  Thysanoptera-
                                                                                                                                                                                                                                                                                         relation to-
                                                                                                                                                                                                                                                                                        Felation to—
African Coast fever, (20) 584,
anaplasmosis, (26) 584; (29) 584,
louping-ill (37) 277; (40) 384,
spirochetosis, (20) 883,
spirochetosis in fowls, (26) 684,
vorruga fever, (20) 202,
remedies, (29) 680,
röle in disease transmission, (26) 153,
salivary secretion, (32) 557.
                                                                                                                                                                                                                                                                                      role in disease transmission, (26) 163 salivary secretion, (32) 557. sources of infections from, (28) 460. spinose ear, notes, (40) 655. spinose ear, rometies, (40) 662. spotted fever, eradication, (27) 470. spotted fever, in Montana, (39) 265. studies, (27) 865. summary of information, (39) 768.
                                                                                                                                                                                                                                                                     transmission of—
African Coast fever by, (26) 882.
Anaplasma marginale by, (26) 173.
gall sickness by, (26) 283.
Tiger beetles of Indiana, studies, (39) 767.
Til wilts, studies, (38) 547.
  Thysanosoma actinioides
 Inysansoma actinioles—
infestation of lambs by, (37) 374.
life cycle, (39) 162.
morphology, (30) 584.
notes, (27) 182.
treatment, (28) 80.
Thysanura, destructive to cattle ticks, (28) 758.
                                                                                                                                                                                                                                                                                         cement, curing, (27) 586.
cement, solubility, (31) 92.
clay and concrete, tests, (32) 482, 483.
Tick—bird, red beaked, notes, (29) 585.
bite in livestock, treatment, (31) 679; (36) 678.
destroying agents, tests. (27) 476.
infestation in Natal, (29) 585.
infesting turkeys, (33) 354.
paralysis, notes, (30) 182; (31) 656; (32) 274; (38) 180, 275.
paralysis, studies, (32) 877.
pyemia, notes, (38) 785.
Ticks—see also Cattle tick.
affecting big game, (38) 487.
affecting big game, (38) 487.
affecting horses, (27) 356.
as affected by dipping, (34) 186.
as affected by Reentgen rays, (28) 57.
as carriers of Dermatobia hominis, (40) 62.
biology, (34) 857.
  Tick-
                                                                                                                                                                                                                                                                                          concrete
                                                                                                                                                                                                                                                                                                           construction, (34) 685.
drain, failures of, (29) 487.
durability in alkali soils, (34) 584.
tests, (26) 685; (32) 84.
                                                                                                                                                                                                                                                                                      drainago—
and sewer, beddings for, (37) 187.
cost, (32) 481.
in Illinois, (27) 484.
investigations, (28) 890.
machine for testing, (31) 384.
manufacture and use, (28) 890.
notes, (27) 386.
specifications, (29) 290; (37) 587.
specifications and tests, (27) 587.
```

SUBJECT INDEX

Tile—Continued.	Timber—Continued.
drainage—continued. system, (37) 286.	frame structures, design and construction, (37)
tests, (29) 685; (30) 787; (33) 392.	386. grading, (37) 245.
drains.	growing for mining purposes, (38) 543.
design and construction, (32) 187.	nardwood, as affected by forest fires, (29) 44.
tables for computing cost, (32) 85.	hardwood of New South Wales, (27) 43; (28)
methods of testing, (27) 87, 88. Tilefish, occurrence and use, (34) 557.	51, 44 1.
Tilia —	identification, (38) 645.
americana as a medicinal plant, (30) 145.	immature, valuation of damages, (38) 645; (40) 843.
europea, hydrocarbons in, (26) 107.	imports into India, (38) 751.
europea, hydrocarbons in, (26) 107. of North America, (40) 248.	industry—
Tiling contracts, notes, (27) 789.	aid of science in. (39) 450.
Tillage— deep, in the Great Plains, (39) 812.	aid of science in, (39) 450. in Canada, (26) 242, 544; (28) 644; (36) 644.
effect on bacteria in peat soils, (38) 420.	insects affecting, (27) 453; (28) 247; (37) 356.
experiments at Grignon, France, (35) 688.	Irish, production and value, (33) 50.
experiments in New South Wales, (26) 135.	lagscrewed joints in, tests, (35) 889.
machinery, recent inventions in, (35) 494.	18TIGS Of Panama. (29) 342
machines, description, (33) 489, 891. methods for western Nebraska, (35) 438.	laws in United States, (36) 644. marking for cutting, (34) 641.
new basis for, (29) 516.	marking for cutting, (34) 641.
notes, (36) 511.	measurement diagram for (25) 500
relation to soil moisture, (27) 320.	measurement, (27) 846. measurement, diagram for, (36) 590. microscopic identification, (37) 46.
Tillandsia recurvata, anatomy and biological as-	mine, preservation, (33) 845.
pects, (26) 729. Tilletia—	mine, tests, (31) 144.
caries, detection in flour, bran, and cereals, (26)	National Forest, sale of, (29) 444.
408.	of Africa and British Guiana, (32) 47.
controversa, notes, (34) 843.	British Guiana, (31) 743; (32) 144. British North Borneo (36) 244
foetens—	Canada, (34) 239; (37) 245.
inoculation experiments, (33) 245; (37) 750.	Eritrea, (34) 440.
inoculation experiments, (33) 245; (37) 750. morphology, (35) 845. spore germinations of, (31) 642.	British North Borneo, (36) 244. Canada, (34) 239; (37) 245. Eritrea, (34) 440. Great Britain, manual, (36) 746.
studies. (38) 645.	India, (30) 559.
treatment, (26) 447; (29) 750.	India, seasoning tests, (40) 843. Japan, growth data, (33) 844.
horrida, notes, (35) 243, 247; (37) 247.	New South Wales, (34) 152.
studies, (38) 645. treatment, (26) 447; (29) 750. horrida, notes, (35) 243; 247; (37) 247. horrida, studies, (30) 540, 845. levis, notes, (29) 243; (34) 644, 845. on wheat, studies, (40) 345. spores, effect on domestic animals, (27) 882.	New South Wales, (34) 152. New South Wales, tests, (27) 348; (40) 640.
16VIS, HOLES, (29) 245; (34) 044, 845.	Queensland, (37) 650.
spores, effect on domestic animals, (27) 882	Russia, (35) 451.
	South America, (34) 306. tropical forests, (39) 245.
spp., effect on pigs, (28) 888. spp. in Argentina, (38) 148. spp. in Bohemia, (35) 650.	Papuan, tests, (28) 239.
spp. in Argentina, (38) 148.	nests, notes, (26) 59.
spp. in Bonemia, (35) 650. tritici—	physics, experiments in, (26) 141. preservation, (26) 241; (27) 314, 443; (28) 442, 590; (31) 538; (33) 544; (34) 240; (35) 241, 843; (38) 590; (37) 886; (38) 248, 249
nature and treatment, (32) 145	preservation, (26) 241; (27) 314, 443; (28) 442, 590;
notes, (33) 851; (34) 644, 845; (38) 48, 548,	500. (37) 886. (38) 948. 949
studies, (29) 152; (34) 644.	preservation, papers on. (38) 45.
notes, (33) 851; (34) 644, 845; (38) 48, 548. studies, (29) 152; (34) 644. treatment, (28) 745; (37) 247. Timber—see also Lumber and Wood.	preservation, papers on, (36) 45. preservation, textbook, (33) 243.
Timber—see also Lumber and Wood.	preservatives, analyses, (27) 443.
absorption of water by, (32) 48. aeroplane, rots and defects, (40) 349.	protection against fungus injury, (26) 544.
air-seasoning of, (30) 347.	protection from Merulius lacrymans, (28) 246. regulations for National Forests, (26) 340.
antiseptic treatment, (27) 148; (39) 452,	reproduction, relation to grazing, (29) 543.
antiseptic treatment, (27) 148; (39) 452, as affected by forest fires, (31) 538.	reproduction, relation to grazing, (29) 543. resistance to termites, (30) 536, 754.
Austrian, tests of strength, (28) 744.	resources of—
available for turpentine operations, (33) 543. beam design, tables for, (34) 889.	Iowa, (30) 46.
beating, notes, (32) 552	Oregon, (38) 544. South Dakota, (37) 790.
beetins, notes, (32) 552. bibliography, (28) 439. bolted joints in, tests, (35) 888. borer in New Zealand, (40) 169.	Utah, (37) 791.
bolted joints in, tests, (35) 888.	rot. studies. (32) 845.
borer in New Zealand, (40) 169.	rots, descriptions, (35) 755. sale in National Forests, (27) 543.
borers affecting, (29) 761. conditions—	scale, description, (30) 347.
along Hudson Bay Railway, (26) 643.	scaling and measurement, (36) 644.
along Hudson Bay Railway, (26) 643. around Lesser Slave Lake, (27) 646; (31) 839.	seasoning, (31) 840.
in southeastern Maniloba, (31) 839.	second growth, determining profits in, (34) 641.
construction, of Philippines, (26) 51.	slash or brush, rotting, (36) 844. small, marketing in Wisconsin, (40) 154.
cost of growing, (26) 49. cost of logging, (35) 843. creosoted, tests of strength, (28) 590.	small, marketing in wisconsin, (40) 104. square, industry in Canada, (30) 46.
creasated tests of strength (28) 590.	standing—
cut, regulating, Swiss method, (37) 451.	determination of quality, (37) 243, 451.
cut, regulating, Swiss method, (37) 451. decay, notes, (35) 252.	determination of quality, (37) 243, 451. in United States, (30) 844.
decay prevention, (33) 444; (37) 349.	insects affecting, (28) 560. measurement, (38) 847.
dry rot in, (28) 750, 751; (29) 157; (30) 850; (32) 845; (34) 751; (37) 253; (39) 153.	stands, effect on soil physics, (26) 140.
dry rot, treatment, (38) 151.	strength as affected by seasoning, (27) 43.
durability, (35) 147.	strength tests, (28) 50.
estimates, computing, (35) 44.	structural—
estimating—	in United States, (35) 240.
errors in, (31) 341. formula method, (40) 843.	strength values, (26) 443.
in eastern North Carolina, (37) 747.	preservation experiments, (33) 845. strength values, (26) 443. supply of China, treatise, (33) 50. supply of Union of South Africa, (40) 448. tables, Biltmore, booklet, (28) 644. tests, (31) 538. trade of United Kingdom, (31) 744. treating plants measurement, (38) 644.
in southern Appalachians, (37) 46.	supply of Union of South Africa, (40) 448.
volume tables for, (35) 147. farm, marketing, (40) 343, 744.	tables, Butmore, booklet, (28) 644.
iarm, marketing, (40) 843, 744.	trade of United Kingdom. (31) 744.
fire-killed, insects affecting, (29) 53. foreign, culture in Mecklenburg, (30) 645.	treating plants, management, (26) 644.

Timber—Continued.	Timothy—Continued.
treatise, (34) 537. trestle, prolonging life of, (30) 47.	description and treatment, (27) 445.
unit stresses for, (36) 91. western, tests, (37) 90.	infection experiments, (31) 244. studies, (26) 52; (28) 53; (31) 344.
yellow pine, tests of strength, (29) 387. Timberland—	wintering in Wisconsin, (32) 51.
reforestation, (40) 744. yield graphs, (39) 352.	analyses, (26) 739. germination and purity tests, (29) 741.
Time zones at sea, (38) 512. Timeromicrus maculatus, studies, (40) 862.	germination tests, (34) 143, high v. low grade, (26) 838.
Timothy—	hulled, germination, (27) 838.
analyses, (27) 35; (32) 171. and clover, fortilizer experiments, (40) 134.	inspection in Maryland, (36) 442, longevity, (32) 634.
and clover, seeding experiments, (10) 231. and clover yields, (10) 732, 735.	standards in Canada, (26) 839. tests, (27) 142.
Arlington, notes, (37) 195. as affected by—	treatment, (39) 238. vitality, (27) 740.
calcium and magnesium, (35) 726. companion crop ot clover, (37) 438.	seeding on ranges, (29) 531; (30) 35.
companion crop ot clover, (37) 438. as forage crop, (31) 829. billbug, notes, (29) 252.	time of cutting, (39) 633. transpiration, (30) 517. utilization of sugar by, (36) 125.
breeding experiments, (27) 535; (29) 635; (32) 431, 532; (34) 34; (35) 232; (39) 334.	variation in composition, (27) 499.
composition—	variations in, (35) 232. varieties, (27) 535, 736; (20) 139.
as affected by irrigation, (25) 332.	variety, new, tests, (39) 633. variety tests, (40) 232.
at different stages, (30) 137; (39) 836.	vitamin content, (40) 564. yields, (29) 631; (30) 333, 337, 135; (40) 733.
as affected by irrigation, (26) 332. as affected by leathoppers, (35) 552. at different stages, (30) 137; (39) 836. during growth and ripening, (35) 738. cost of production, (32) 527, 688; (34) 137; (35)	absorption and fate of in the body, (31) 362.
culture, (37) 540; (39) 742.	adsorbed, effect on digestion of proteins, (37)
experiments, (28) 431, 532; (29) 631, 735; (30)	adsorption by proteins, (37) 12. as affected by organic acids of canned goods,
228; (32) 431, 528, 529, 530; (33) 830; (34) 34; (38) 133, 825; (39) 737; (40) 136.	(26) 867. coating on food containers, (37) 715.
in the Ozarks, (20) 427. on irrigated land, (27) 643.	determination, (37) 110. determination in foods, (26) 99; (27) 498; (32)
under dry farming, (33) 632.	298.
digestibility, (32) 168. diseases, notes, (39) 532. dissemination by insects, (27) 47.	determination in timplate, (27) 505, food containers, disappearance of oxygen in,
effect on— ammonification in soils, (29) 317.	(28) 361. hydrates, effect on guinea pigs, (28) 362. in canned foods, (33) 661.
following crop, (40) 623, nitrate content of soils, (29) 818.	metallic, ellect on Aspergillus niger, (30) 824.
nitrification in soils, (29) 317.	prosence in canned goods, (28) 461.
ergot in Indians, (39) 52. fertilizer experiments, (26) 323; (27) 321, 324;	salts in canned foods, (26) 66. solution by canned foods, (37) 12.
fertilizer experiments, (26) 323; (27) 321, 324; (28) 724; (30) 326, 829; (32) 431; (33) 226, 831; (35) 220, 520; (37) 540, 627; (38) 220, 620, field tests, (39) 135, (37) 440, (37) 440, (37) 440, (37) 440, (37) 440, (37)	Tineture plants, treatise, (36) 142.
nowering nables, (37) 140.	cloacella, studies, (36) 156. granella, notes, (33) 252. oleac, notes, (27) 357.
for irrigated pastures, (39) 434; (40) 432. germination studies, (32) 231.	oleac, notes, (27) 357.
graphic summary of seasonal work, (39) 495. growth on volcanic ash, (32) 36.	pellionella, see Clothes moth. Tineid moths of Central Americs, (35) 464. Tineina of North America, life histories, (33) 655.
growth with legumes, (33) 527.	Tineoia discillella
amylolytic activity, (32) 503. analyses, (31) 437; (36) 65.	life history, (38) 657. predacious, (38) 557.
as affected by maturity, (26) 265. ash analyses, (29) 861.	Theopsis theobromae n.g. and n.sp., notes, (30) 550.
and of medication (00) 504: (20) 922	American, notes, (38) 158.
direstibility, (26) 260; (30) 166. effect of maturity on, (35) 737. effect on bacterial activity of soils, (35) 216.	nearctic, names, (38) 550. Tingis pyri—
	biology, (38) 559. notes, (27) 453.
cuergy value, (33) 72, feeding value, (39) 168, 269, loader for, (39) 231.	Tingitoidea of Ohio, (36) 755. Tiphia—
	inornata, life history and ecology, (32) 352. parallela—
history of, (33) 235. improvement, (28) 196; (28) 194. infection by Puccinia graminis, (35) 847.	establishment in Antigua, (38) 256. establishment in Mauritius, (38) 467.
infection by Puccinia graminis, (35) 847. insects affecting, (39) 532.	feeding habits, (40) 205. notes, (28) 752; (32) 449; (34) 455.
irrigation experiments, (28) 130, 133, 332; (32) 224.	spp., parasitic on May beetles, (31) 458. Tipula—
leaf smut, studies. (36) 247, 543.	oleracea injurious to rice, (33) 555.
liming experiments, (32) 31; (34) 133; (39) 737; (40) 125. meadow plant bug, studies, (40) 260.	oleracea, notes, (32) 851. paludosa, biology and economics, (37) 763.
moisture content and shrinkage, (34) 828. notes, (31) 830.	simplex, notes, (28) 160. spp., of North America, (31) 551. Tipulid larvae in decayed prune wood, (32) 652.
on bog and moss soils, (40) 212.	I I Dundae
palatability, (34) 865. pollination experiments, (37) 735. relative yielding experity, (40) 825	North American, biology, (32) 158; (38) 561; (35) 57.
relative yielding capacity, (40) 625. root systems of, (35) 639.	oriental, revision, (27) 358. Tiqui-tiqui, notes, (31) 258.

Tires—	Tobacco—Continued.
width in relation to load, (33) 782. width of, (36) 787.	breeding, (29) 538; (30) 836; (31) 138. breeding experiments, (26) 133; (27) 838; (28) 138; (29) 536; (30) 530; (32) 220; (33) 331; (34) 141; (36) 139; (38) 238, 526, 634. breeding in Dalmatia, (33) 137.
Tischeria camplanella, studies, (28) 560.	138; (29) 536; (30) 530; (32) 220; (33) 331; (34)
Tissue— cells, human, resistance to germicides, (37) 176.	breeding in Dalmatia. (33) 137.
culture method in immunity studies, (40) 179.	
extracts, selective extraction of sensitive sub- stances from, (40) 611. invasion by Plasmodiophora brassicae, (40) 50.	Burley, culture, (35) 534. Burley, marketing, (35) 792.
invasion by Plasmodiophora brassicae, (40) 50.	Burley, culture, (35) 534. Burley, marketing, (35) 792. burning quality, (36) 311.
living, methods of study, (29) 408. living, oxidation processes in, (30) 201.	burning quality— as affected by alkali salts, (39) 34.
mechanical, formation in plant tendrils, (27)	as anected by attain satis, (59) 52. determination, (33) 316. studies, (38) 139, 140, 238, 239. "carotting", (40) 442.
631. transplantation—	studies, (38) 139, 140, 238, 239.
and anaphylaxis, (38) 182.	caterpinar in I mirppines, (60) 202.
and immunity, (38) 583; (39) 487, 886; (40)	chemistry of, (33) 508. chemistry, progress in, (29) 413.
578 negative, cause, (37) 478.	cigar—
Tissues—	filler, breeding, (27) 838. leaf, culture, (27) 37.
caseation by tubercle and other bacilli, (33) 480. chemical functions, (28) 201.	leaf, curing by artificial heat, (27) 238.
cultivation outside the body, (28) 272.	leaf, curing by artificial heat, (27) 238. wrapper, burning quality, (33) 316. wrapper, culture in Philippines, (37) 339.
imbibition heat in, (30) 368. lecithin content, (31) 577.	coleopteran pest, (40) 170.
mammalian growth in vitto. (33) 267.	composition, (33) 637.
regeneration and transplantation, (28) 68.	eomposition— and quality as affected by fertilizers, (33)
Tit, bush, destructive to codling moth, (27) 559. Titanium—	732.
concentration in subsoil, (31) 720.	as affected by shade, (30) 430.
distribution in loam soils, (31) 618.	at various stages of growth, (33) 436. correlation and inheritance in, (27) 535.
in pincapple soils, (29) 210. in plants, (38) 409.	cost of production, (27) 238; (31) 530; (37) 191,
Titlarks, destruction of grain aphids by, (29) 453. Titmice, destructive to codling moth, (27) 559.	226. critical period of growing season, (39) 811.
Titrating table, portable, description, (34) 312.	critical period of growing season, (39) 811. crop of 1912, (28) 638. Cuban, classification, (34) 431.
Titration hask, description, (37) 614.	Cuban types. (26) 837.
Titrations, alkalimetrical and acidimetrical, treatise, (33) 109.	Cuban types, (26) 837. culture, (29) 538; (30) 140, 440, 737; (31) 524; (33) 734; (37) 37, 541; (39) 834.
"T'Kirriemoor" roots as substitute for yeast, (29)	734; (37) 37, 541; (39) 834. culture—
461.	culture— and improvement, (28) 633. experiments, (26) 233, 422, 638; (27) 638; (30) 133, 229, 442, 632; (31) 733; (32) 137, 431; (34) 141, 142; (35) 135, 532; (36) 82, 513; (37) 734; (38) 137, 238, 336, 526, 527, 634; (39) 128, 229, 632; (40) 230, 332, 524, 735. for nicotin, (30) 140, 737. in Albania, (37) 445. Argentina, (37) 541, 823. Bihar, (34) 39. Bosnia, Herzegovina, and Japan, (27) 238 Brazil, (35) 641.
Tmetis muricatus, destruction by Coccobacillus	experiments, (26) 233, 422, 638; (27) 638; (30)
acridiorum, (33) 154. Tmetocera ocellana, see Bud moth.	(34) 141, 142; (35) 135, 532; (36) 32, 513; (37)
Toads-	734; (38) 137, 238, 336, 526, 527, 634; (39)
California, economic status, (32) 244. eating of alfalfa weevil by, (31) 655.	128, 229, 632; (40) 230, 332, 524, 735.
of Long Island, (32) 448.	in Albania, (37) 445.
of Pennsylvania, (31) 648.	Argentina, (37) 541, 823.
Toadstool poisoning, treatment, (27) 329.	Bosnia, Herzegovina, and Japan, (27) 238
Toadstools— and mushrooms, handbook, (31) 628.	Brazil, (35) 641.
notes, (28) 861.	Canada, (29) 233; (35) 534.
Tobacco-	Brazil, (39) 736. Burma, (29) 736. Canada, (29) 233; (35) 534. Connecticut, (30) 835; (36) 337. Cyprus, (35) 642; (40) 243. East Indies, (30) 697; (39) 423. Egypt, (38) 638. Gironde, (29) 233. Guan (40) 327.
alkaloid formation in, (35) 333. analyses, (29) 866.	East Indies. (30) 697: (39) 423.
animals affecting, (29) 551.	Egypt, (38) 638.
animals affecting, (29) 551. ants affecting, (30) 759. aphis, notes, (40) 355. arsenic in, (31) 715. articles of string, (32) 417.	Gironde, (29) 233.
arsenic in, (31) 715.	India, (28) 736; (32) 131.
on offseted by chade (31) 328: (33) 521	Gironde, (29) 233. Guam, (40) 327. India, (28) 736; (32) 131. Ireland, (26) 236; (31) 530; (36) 533. New South Wales, (37) 340. Nyasaland, (26) 829. Ohio, (27) 237. Philimpines, (37) 791.
ash, composition, (39) 607. ash, composition as affected by fertilizers, (37)	Nyasaland, (26) 829.
ash, composition as affected by fertilizers, (37)	Ohio, (27) 237.
541.	Philippines, (37) 791. Russia, (28) 46.
bacterial discuse— notes, (29) 423; (31) 127, 539, studies, (30) 747.	Simetre. (28) 835.
studies, (30) 747.	Tennessee, (26) 489. Uruguay, (37) 445.
barium in, (30) 502; (31) 715; (36) 202. barns, plans and specifications, (28) 787. "bassara" or "verderame", description, (26)	reintion to rainian, (35) 113.
"bassara" or "verderame", description, (26)	curing, (28) 715; (29) 538; (30) 737, 836.
748.	air and flue processes, (30) 440.
beetle— as affected by Roentgen rays. (35) 554.	as affected by light, (28) 239. barn, construction, (35) 890.
as affected by Roentgen rays, (35) 554. control in Philippines, (38) 459.	barn, construction, (30) 890. barn, description, (30) 140.
life history and remedles, (38) 61. notes, (26) 560.	chemical changes during, (35) 718.
notes, (23) 358. remedies, (35) 856. studies, (40) 758. biochemistry, (37) 509. biometrical studies, (27) 341. black rot, notes, (30) 450; (37) 51. black rot, treatment, (31) 840. black rust, notes, (32) 240. black rust, studies, (31) 149.	experiments, (30) 140; (35) 890; (38) 138.
studies, (40) 758.	studies, (31) 115. cutworms affecting, (34) 453.
biometrical studies, (27) 341.	cytokinesis of pollen mother cells, (40) 518.
black rot, notes, (30) 450; (37) 51.	decoction, analyses, (33) 735. Dell. measurements, (32) 831.
black rust, notes, (32) 240.	Deli, measurements, (32) 831. Deli, selection experiments, (40) 635.
	Dell, sterile dwarf form, (40) 38. Dell, types of, (33) 436.
blackleg or canker, studies, (31) 448. blossom color inheritance, (40) 442,	CHOS for Scaples in siteeb, (20) oc.
blue mold in, (33) 147; (39) 551.	disease resistance, (36) 50.
52831-26†38	

```
Tobacco-Continued.
                                                                                                                                                                                                                                                                                                                                                           Tobacco—Continued.
leaf grain of, (36) 311.
                                                 descriptions, (30) 351; (33) 446; (37) 753.
descriptions and treatment, (31) 448.
in Dutch East Indies, (31) 510; (37) 553.
                                                                                                                                                                                                                                                                                                                                                                                  leaf spot—
angular, (40) 848.
notes, (36) 348.
studies, (38) 150.
leaves and inflorescence as affected by environment, (37) 221.
leaves, betain in, (28) 109.
liphthing injury, (40) 645.
lime for, (28) 223.
liming experiments, (30) 821; (37) 522, 523.
liquor, analyses, (20) 05.
malnutrition or overfert illvation, (28) 337.
munganese sulphate for, (20) 120.
                                                                                                                                                                                                                                                                                                                                                                                       leaf spot-
                       in Duten issat Indies, (31) 549; (37) 553, notes, (29) 550, (30) 836; (31) 841; (36) 145; (39) 551; (40) 49, notes and treatment, (27) 45, studies, (28) 841; (38) 249, 634, extract furnigation, (29) 640, extraction of nicotin from, (29) 118.
                        extracts—
analyses, (38) 643.
insecticidal value, (28) 162.
methods of analyses, (26) 413.
valution, (26) 511.
fermitation, (26) 511.
fermitation, (28) 115; (38) 138, 139, 238.
fertilizer experiments, (26) 133, 422, 638; (27) 37, 341, 439, 437; (29) 22, 233; (30) 140, 525, 639, 821, 835; (31) 430, 438, 733, 738, 821; (32) 137, 217, 431; (33) 728, 731; (34) 142; (35) 220, 533, 534; (36) 326; (37) 215, 339, 729; (38) 36, 137, 140, 238, 239, 634, (40) 230, 332, 735.
fertilizer, formulas for, (31) 628.
fertilizer, formulas for, (31) 628.
fertilizer, formulas for, (31) 628.
flue-bettle, notes, (31) 452.
flea-bettle, studies, (26) 463.
flue-cured, culture, (30) 39.
formulan of alkaloids in, (27) 133.
frog-tye, notes, (30) 47.
                          extracts
                                                                                                                                                                                                                                                                                                                                                                                      malnutrition or overfert illration, (2) marketing, (28) 638
Maryland types, (32) 740.
Mondelian inheritance in, (27) 239.
mildew, notes, (37) 455.
mosaic and allied diseases, (30) 148.
mosaic, carrier, (40) 251.
mosaic disease—
betterial origin, (37) 549.
                                                                                                                                                                                                                                                                                                                                                                                       mosaic, carrier, (40) 251.

mosaic disease—
bacterial origin, (37) 549.
characteristics, (31) 345.
distribution of virus, (34) 247.
infection experiments, (32) 643.
notes, (26) 181; (35) 752; (36) 451.
review of investigations, (33) 417.
studies, (28) 649, 746; (30) 450; (34) 52; (35)
751; (36) 647; (37) 150; (38) 49, 649; (39)
456, 540.
treatment, (35) 653.
mutation in, (30) 631; (31) 43; (33) 137.
nicotin content, variation, (27) 830.
of Juva, analyses, (37) 419.
of Paraguay, (34) 88.
origin of alkaloids in, (27) 228.
Orobanche on, (39) 146.
phylogeniet studies, (38) 435.
phylogeny of, (35) 436.
Phytophthora disease, notes, (34) 744.
plant—
Plateribution of piccin in, (26) 333.
                          formation of alkaloids in, (27) 133. frog-ye, notes, (30) 47. fumigation, (39) 565. Fusarium mycelium in. staining, (39) 248. Fusarium wilt. notes, (39) 854. German, nicotin content, (26) 333. graphic summary of seasonal work, (39) 495. green manuring experiments, (29) 215; (31) 230, 233; (36) 624; (37) 734; (38) 137. growers' cooperative society in Kentucky, (28) 88.
                             88.
growing centers of Canada, (26) 639.
growing for nicotin purposes, (20) 738.
growing with corn for shade, (40) 229.
growth as affected by—
solls, (29) 410.
sulphur, (32) 724.
                                                                                                                                                                                                                                                                                                                                                                                              plant
                                                                                                                                                                                                                                                                                                                                                                                                                     distribution of nicotin in, (26) 333.
enzyms of, (31) 204.
nicotin content, (29) 503.
wastes, nicotin content, (26) 413.
                                gummosis-
                             black shank, or bacterial wilt, studies, (30)
541.
disease resembling, (31) 544.
studies, (27) 650; (28) 243, 446; (37) 554.
treatment, (28) 347.
hall injury to, (35) 734.
handbook, (40) 442.
harvesting—
and curing, (26) 638.
experiments, (38) 37, 137.
heredity in, (30) 29, 530.
Herzegovina, culture in Italy, (27) 37.
hollow stalk, studies, (31) 448.
hornworms, remedies, (29) 356; (31) 454; (38) 159.
hybrid, notes, (27) 239.
hybridization, (38) 137.
hybridization studies, (40) 38.
improvement, (28) 637; (32) 220.
in bread, (31) 857.
industry—
in Austrolio, (40) 524.
                                                         black shank, or bacterial wilt, studies, (30)
                                                                                                                                                                                                                                                                                                                                                                                           wastes, nicotin content, (26) 413.
planting—
and harvesting dates, (26) 532
experiments, (38) 238.
potash fortilizers for, (26) 528.
press cake, fertilizing value, (37) 411.
production and use in United States, (27) 739.
products, analyses, (34) 436.
relation to climate, (28) 27.
resin, chemistry of, (32) 713.
resistance to hydrocyanic acid gas, (31) 747.
Réunion, in Mauritius, (40) 442.
                                                                                                                                                                                                                                                                                                                                                                                                roof rot-
                                                                                                                                                                                                                                                                                                                                                                                              roof roi—
notes, (26) 849; (33) 743.
strains resistant te, (36) 349.
studies, (35) 547; (36) 845; (39) 851.
treatment, (31) 840; (30) 32, 50.
rotation experiments, (33) 731, 828; (30) 829.
Russian, composition, (28) 46.
Selerotium disease, studies, (37) 249.
seed beds, (30) 140; (40) 242.
                                in bread, (31) 857.
industry—
in Australia, (40) 524.
Clinton County, Pennsylvania, (34) 142.
Germany, (30) 896.
Italy, Java, and Sumatra, (30) 229.
Ontario, (36) 33.
United States, (28) 235.
statistics, (40) 533.
inheritance of disease resistance in, (36) 845.
injuries and diseases in Dalmatia and Galicia, (35) 247.
                                                                                                                                                                                                                                                                                                                                                                                                 seed beds—
disinfection, (34) 444.
management, (36) 32; (38) 634.
preparation, (26) 638; (35) 233.
steam sterilization, (31) 437; (36) 396; (40)
                                                                                                                                                                                                                                                                                                                                                                                                                                       135.
                                  insects—
affecting, (28) 453, 553, 638, 856; (27) 53,
453; (29) 353, 551, 653, 756; (30) 440, 752,
836; (31) 249, 452, 443; (34) 549; (35) 54;
(36) 355; (37) 255, 256.
in Dutch East Indies, (40) 854.
in Porto Rico, (39) 58.
insurance against hail, (36) 192.
irrigation experiments, (38) 238, 239,
juice, poisoning of cattle by, (30) 677.
lanas disease, studies, (37) 553, 554; (39) 149.
"Latakia," production, (40) 243.
leaf ourl, notes, (30) 848.
leaf folder, studies, (39) 58.
                                  insects-
                                                                                                                                                                                                                                                                                                                                                                                                                             treatment for gummosis, (28) 347.
                                                                                                                                                                                                                                                                                                                                                                                                 seed-
                                                                                                                                                                                                                                                                                                                                                                                                                        d—deaning, (29) 144.
cleaning and grading, (28) 638.
germination, (29) 739; (33) 638.
germination in darkness, (38) 127.
germination tests, (26) 44.
inspection, (39) 443.
leaf, changes in during resweating, (35) 208.
oil, analyses and use, (37) 411.
oil, composition, (35) 9.
planting directly in field, (31) 233.
production, (31) 138; (32) 740.
```

Tobacco—Continued.	Toluene—Continued.
seed—continued.	effect on—
studies, (39) 538. treatment, (28) 446.	production of antibodies, (36) 479.
seeding device, (38) 137.	soil protozoa, (36) 422, 814. soils, (37) 519.
seeding experiments, (31) 438.	sterilization of soils by, (32) 816.
selection experiments, (38) 36, 741.	Toluene-p-sulphon-dichloramid. preparation, (38)
self-sterility in, (33) 129. shading, (37) 729.	378.
size inheritance in, (35) 819.	Toluidin-blue stain, polychromatic, (39) 286. Toluol—
slug, notes, (40) 56.	effect on—
smoke, effect on plants, (26) 230; (27) 254, 830;	action of maltase, (28) 50s.
(29) 30, 131; (34) 30.	micro-flora and fauna in soils, (30) 219. nitiate accumulation in soils, (31) 342.
smoke, effect on seedlings, (30) 131.	nitrification, (30) 717
smoking qualities, (28) 637. smoking tests, (27) 840.	nitiogen-fixing and nitrifying organisms.
snik managament (37) 37	(40) 51?.
soils, management, (37) 37. sooty mold, studies, (27) 248. South African, investigations, (26) 808.	soil bacteria, (28) 824 rymases and phosphatese, (28) 803.
South African, investigations, (26) 808.	from spruce turpenting, (39) 209.
spacing and topping experiments, (38) 36.	Tolype velleda, notes, (28) 554.
splitworm, remedies, (33) 351. splitworm, studies, (30) 550.	Tomaspis— bicineta, notes, (40) 453.
spot disease, notes, (32) 544. stalks as fertilizer, (30) 127.	flavilatera, notes, (35) 459; (40) 261, 856.
stalks as fertilizer, (30) 127.	male genital armature of, (30) 250.
statistics, (26) 595, 639; (33) 894.	postica, notes, (29) 353.
Stems (24) 501: (25) 109	saccharina in Grenada. (38) 158; (39) 366. spp., biological notes, (30) 251.
analyses, (34) 521; (35) 128. and stalks, analyses and use, (34) 519.	tristis injurious to sugar cane, (37) 358.
as vermifuge, (38) 885.	Tomato—
fertilizing value, (30) 835.	bacterial
nematode on, (39) 250.	diseases, notes, (37) 652. rot, notes, (35) 547.
Stewart Cuban—	wilt, notes, (32) 50; (33) 545.
field tests with, (33) 137. variety, (31) 334.	black 10t, notes, (32) 344.
	cause and treatment, (33) 53.
suck flies, studies, (39) 58. suckering, (35) 533. sun-cured, growing and curing, (27) 436.	notes, (32) 240; (34) 644.
sun-cured, growing and curing, (27) 436.	blight—
tarmaned plant bug anecong, (20) 000.	notes, (34) 843; (38) 848. relation to potato late blight, (28) 747.
textbook, (35) 250. thring affecting (31) 249	resistant varieties, (26, 549.
tokra disease, notes, (36) 449; (38) 351.	resistant varieties, (26, 549, studies, (26) 549; (32) 444, (36) 350, 451, (37) 46.
topping experiments, (34) 141, 142; (35) 533, 534.	treatment with hot water, (34) 50.
transpiration in, (30) 629.	blossom-drop, studies, (40) 644. blossom end rot—
textbook, (33) 235. thrips affecting, (31) 249. tokra disease, notes, (36) 449; (38) 351. topping experiments, (34) 141, 142; (35) 533, 534. transpiration in, (30) 629. theatise, (29) 265; (36) 142. types, (28) 235. unsatisectory yields, (36) 628.	cause and treatment (26) 648, 649.
unsatisfactory yields, (36) 628. utilization of lithium salts by, (28) 527.	notes, (31) 447, 644; (32) 49, 544; (33) 97; (39) 850; (40) 48, 154.
utilization of lithium salts by, (28) 527.	studies, (32) 343; (33) 247.
variation in pure lines (38) 238	transmission, (35) 742.
variation of flower size in, (33) 435.	buckeye rot, (37) 652; (38) 251. bugs, notes, (40) 165.
tilization of lithium saits by, (22) 527. variation in, (31) 138; (37) 339. variation in pure lines, (38) 238. variation of flower size in, (33) 435. varieties, (20) 638; (27) 37, 238, 838; (30) 525; (31) 430, 733; (32) 137, 431, 740; (33) 728; (34) 142; (35) 532, 534; (36) 32; (37) 339, 729; (38) 33, 36, 238, 634.	canker, notes, (27) 849; (29) 847; (30) 148, 348,
(31) 430, 733; (32) 137, 431, 740; (33) 723; (34)	845.
33, 36, 238, 634.	canning—
varieties resistant—	club champions in 1913, (30) 399.
to root rot, (31) 448.	clubs, notes, (28) 715. factories, sanitary control, (38) 13. industry, economics, (39) 615. industry in United States, (32) 210.
to slime bacteria, (30) 749.	industry, economics, (39) 615.
to Thielavia, (27) 249.	industry in United States, (32) 210.
variety tests, (39) 128; (40) 229, 230, 332, 735.	catsup, recipes, (28) 715. catsups, analyses, (35) 164. clubs in Virginia, (29) 599.
warehouse and curing house troubles, (32) 844. warehouses, cooperative, in Wisconsin, (28) 895.	clubs in Virginia, (29) 599.
wasta analyses (40) 621.	ciuos, suggestions for, (31) 793.
waste, fertilizing value, (39) 429. wildfire, notes, (38) 97, 150. wildfire, studies, (38) 852.	collar rot, notes, (40) 844, 748. conserves, analyses, (33) 164, 661.
Wildfire, notes, (38) 97, 150.	contests for boys and girls, (28) 194.
wilt, control, (40) 243.	damping-off disease-
wilt, description, (31) 745.	notes, (38) 251, 546; (40) 748. studies, (35) 844.
wilt in Rangpur district of Bengal, (30) 50.	disease in northern Italy, (31) 748.
wilt, studies, (38) 250. wilt, treatment, (38) 49.	diseases—
wireworm notes (34) 757	description and treatment, (29) 847; (30) 50;
wireworm, studies, (31) 253.	(32) 147; (38) 549; (40) 748. in Barbados, (34) 841.
worm injurious to potatoes, (37) 157. worm, notes, (33) 352.	Florida, (39) 356.
worm, Southern, parasites of, (30) 59.	Mauritius, (37) 551.
worm, Southern, parasites of, (30) 59. worms, studies, (40) 62.	New Zealand, (37) 150. Ohio. (39) 250.
	Uruguay, (39) 651.
Pobosa grass as hay or silage crop, (38) 471. Pofu, preparation, (32) 560. Pokres, notes, (40) 48.	New Zealand, (37) 150. Ohio, (38) 250. Uruguay, (39) 251. Western Australia, (33) 845. notes, (26) 353, 649; (27) 249; (28) 148; (29) 246, 540; (31) 644, 747; (32) 686; (33) 68, 147; (34) 53; (37) 654; (38) 150; (39) 52, 149, 353, 753; (44) 344, 348, 844. studies, (36) 749; (37) 842; (39) 51. treatment, (30) 244.
Fokras, notes, (40) 48.	notes, (26) 353, 649; (27) 240; (28) 148; (29) 246, 540; (31) 844, 747; (29) 826; (22) 08
l'okras, studies, (39) 146.	147: (34) 53; (37) 654; (38) 150; (39) 52, 149,
Folerance and immunity, (40) 32. Follens, B., biographical sketch, (39) 900.	353, 753; (40) 344, 348, 844.
	studies, (36) 749; (37) 842; (39) 51.
Poluene— as a soil disinfectant, (31) 27, 621.	early blight—
chlorination product mixtures, methods of anal-	and leaf mold, (39) 854.
ysis, (39) 807.	notes, (38) 451.

Fomato—Continued.	Tomato—Continued.
filiform leaf, characteristics, (31) 345. fly, notes, (27) 54.	winter blight, studies, (31) 154; (38) 50.
fruit rot, notes, (32) 49; (36) 746.	notes, (32) 051; (33) 352.
fruit spot, studies, (32) 644; (33) 147.	parasites of, (30) 59,
fruit worm, remedics, (40) 59. Fusarium wilt, notes, (32) 641.	relation to leaf spot, (40) 645, remedies, (33) 59.
Grand Rapids disease, description, (31) 745.	studies, (26) 453.
growers' associations, organizing, (40) 834.	yellow blight, notes, (32) 811.
hotbods, construction, (26) 641. industry in Ontario, (26) 840.	Tomatoes — acidity, (32) 204.
juice, osmotic pressure, (28) 262.	analyses, (32) 762.
late blight—	and tomato products, industry in Italy, (38)
notes, (39) 850; (40) 47. treatment, (37) 749.	142. antioxidase of, (34) 33.
leaf blight—	antiscorbutic property, (10) 762.
control, (39) 756.	as affected by lithium salts, (28) 526.
notes, (39) 841. leaf disenses—	as host plant of red spider, (32) 157. breeding experiments, (27) 239, 343, 741; (28)
studies, (33) 445.	539; (30) 313; (32) 231, 537; (35) 35, 235; (37) 240, 827; (38) 40, 211, 812; (39) 140; (40) 740.
treatment, (35) 350.	240, 827; (38) 40, 241, 842; (39) 140; (40) 740. breeding experiments in Porto Rico, (39) 39.
leaf mold, notes, (31) 644; (39) 854. leaf roll—	canned—
notes, (37) 554.	analyses, (38) 63.
studies, (28) 545. leaf rust—	detection of added water, (27) 310. examination, (24) 357; (29) 60; (36) 561
description and treatment, (26) 849; (27) 249.	examination, (29) 357; (29) 60; (36) 561. methods of analysis, (29) 799.
notes, (27) 651.	studies, (28) 802; (30) 665, canning, (26) 640; (28) 239, 715, canning, production in United States, (40) 594, carbon diovid for, (31) 532, color inheritunee, (38) 443, composition, (30) 666, composition as affected by rainfell, (34) 636, composition as affected by rainfell, (34) 636.
description and treatment, (38) 150.	canning, production in United States, (40) 594.
dissemination, (40) 644.	carbon dioxid for, (31) 532.
dissemination, (40) 644. notes, (27) 349; (30) 749.	color inheritance, (38) 443,
studies, (35) 653. treatment, (29) 435	composition as affected by rainfull. (34) 636.
treatment, (29) 435. meal, analyses, (26) 266.	copper in, (37) 263.
mosaic and allied diseases, (30) 148.	composition as affected by rainfall, (34) 636. copper in, (37) 263. cost of distribution, (39) 492. critical period of growing season, (39) 811.
mosaic disease— carrier, (40) 251.	cross- and self-lertilization, (38) 241, culture, (28) 393, 739; (27) 240; (29) 193, 395, 434, 540, 744; (30) 442; (31) 44, 298; (32) 141, 636, 711; (33) 639; (31) 42; (35) 142; (37) 143; (38)
in Maryland, (33) 247. notes, (30) 647; (35) 752; (37) 652; (38) 640. studies, (31) 52; (36) 047; (38) 150.	culture, (26) 393, 539; (27) 240; (29) 193, 395, 434,
10068, (30) 647; (35) 752; (37) 652; (38) 646.	711: (33) (39: (31) 42: (35) 142: (37) 143: (38)
pickles, recipes, (28) 715.	790; (40) 42.
products-	culture—
analyses, (39) 205.	and recipes, (39) 165. experiments, (26) 640; (29) 540; (33) 140.
bacterial content, (39) 13. detecting spoilage in, (26) 24. methods of analysis, (27) 498.	experiments, (26) 640; (29) 540; (33) 140, 438; (40) 147.
methods of analysis, (27) 498.	for canning factory, (37) 343.
microscopical studies, (38) 166. psyllid, remedies, (40) 162.	in Arkansas, (39) 645. Burma, (29) 736.
psyllid, studies, (37) 849.	greennouses, (33) 42; (37) 11.
pulp—	Michigan, (39) 445. Philippines, (33) 837.
and paste, manufacture, (40) 17. canning, (32) 356. examination, (34) 12.	Porto Rico, (36) 341. the South, (32) 636.
examination, (34) 12.	cuttings, root production, (40) 42.
methods of analysis, (38) (3.	Cytospora Dalata attacking, (39) 456.
microscopic examination, (40) 11.	detecting spounge in. (26) 24.
specific gravity, (39) 713. Rhizoctonia blight, (40) 746.	double flowers in, (31) 143. early, culture, (40) 742.
root knot	effect on composition of urine, (31) 761.
description, (31) 52. notes, (32) 652; (36) 349. rot, notes, (30) 450.	electrical stimulation, (39) 735.
rot, notes, (30) 450.	clectroculture experiments, (40) 147. elongation of hypocotyl, (28) 39, 739.
rot, studies, (34) 53. rust, notes, (35) 844.	examination, (38) 314
sclerotinia diseases, (40) 49.	fertilizor experiments, (27) 324; (29) 22, 434; (30) 532, 839; (36) 219, 839; (37) 41, 321; (39) 745, 843; (40) 42, 134, 147. from blighted vines, composition, (35) 643. fruit thinging experiences. (27) 743
seed	843; (40) 42, 134, 147.
dried, composition and feeding value, (32)	from blighted vines, composition, (35) 643.
impermeable, viability, (35) 740.	fruit thinning experiments, (27) 741. glutamic acid in, (27) 634.
oll in Italy, (30) 618. seedlings, transplanting, (29) 435.	grafting on cabbage, (35) 341.
Seegs-	gratting on cabbage, (35) 341. graphic summary of seasonal work, (39) 495. greenhouse diseases of, (36) 250, 350. greenhouse investigations, (90) 145, (29) 826.
and skins, utilization, (38) 807.	B. Commons, 111 (Congavious, (20) 140, (32) 030,
as cattle feed, (31) 663. utilization, (28) 660.	growth— as affected by carbon dioxid. (32) 422.
skins, paper from, (28) 660.	as affected by electric light, (28) 228.
sleeping disease, description, (31) 49. soups, examination, (30) 666; (31) 658.	in artificial light, (28) 735. in heated sods, (35) 722.
streak blight, studies, (39) 51.	in neated sous, (35) 722. in partially sterilized soils, (26) 815.
suck fly in Porto Rico, (39) 59.	on sterilized soils, (31) 336.
weevil, buff-colored, notes, (25) 251.	hardening by exposure to cold, (40) 26. inheritance—
soups, examination, (30) 666; (31) (558, streak blight, studies, (38) 51. suck fly in Porto Rico, (39) 59. thrips, remedies, (27) 757; (29) 251. weevil, buff-colored, notes, (35) 261. white mold, notes, (28) 654; (32) 652. wilt—	and correlation in, (28) 739; (34) 146.
wilt— notes, (36) 348; (39) 52; (40) 348	in, (27) 740, 742; (28) 539; (30) 343; (32) 538;
notes, (36) 348; (39) 52; (40) 348. resistance, (39) 250, 358, 541, 855.	(34) 42; (35) 141. of size in, (33) 537; (35) 445.
resistant varieties, (30) 50. studies, (38) 250.	Insects affecting, (26) 353; (27) 240; (28) 654; (32)
treatment, (39) 855.	636, 652. irrigation, (31) 782; (33) 287.

Tomatoes—Continued.	Tornado—Continued.
irrigation experiments, (29) 638; (30) 886; (31)	in southwest Missouri, (27) 616.
732.	western Montana, (29) 722. insurance, mutual, in Illinois, (36) 791. near Canton, N. Y., (26) 214.
lessons on, (35) 896. lighting injury, (40) 645.	near Canton N V (26) 214
liming experiments, (39) 745.	near Davennort, Iowa, (26) 614.
localization of acids and sugars in, (36) 110.	near Davenport, Iowa, (26) 614. near Syracuse, N. Y., (28) 415.
lycopin and carotin in, (29) 132.	of Oct. 13, 1870, (28) 531.
manual, (34) 737.	Tornadoes-
marketing by parcel post, (30) 593. mulching v. clean culture, (33) 534.	in Illinois, (27) 414.
mulching v. clean culture, (33) 534.	in Kansas, (34) 615.
nematodes affecting, (30) 215.	in Wisconsin, (30) 417.
new bacterial disease of, (28) 345.	notes, (37) 513, 807.
oil and press cake from seeds, (40) 803.	notes, (37) 513, 807. papers on, (27) 816; (29) 510. prediction, (31) 213.
parthenogenesis in, (29) 837; (34) 233, 727.	prediction, (31) 213.
Phytophthora infestans affecting, (29) 415; (36)	Torrens system of land title registration, (39) 89.
49, 451, 749.	Torrents of Savoy, treatise, (35) 346.
picking maturity, (37) 543.	Tortillas, preparation, (27) 665.
planting experiments, (32) 141.	Torrens system of land title registration, (39) 89. Torrents of Savoy, treatise, (35) 346. Tortilas, preparation, (27) 665. Tortoise beetles, notes, (36) 257.
pollination, (32) 636; (40) 741, 833.	Tortricid genitalia, notes, (10) 264.
preservation, (29) 312. preservation by pressure, (32) 416.	Tortricina, Australian, revision, (26) 656.
preserved—	Tortrix—
analyses and adulteration, (31) 358.	albicomana, notes, (35) 54.
glutaminic acid in, (27) 364.	argyrospila, notes, (40) 263.
use of residue, (28) 660.	(Cacoecia) lambertiana n.sp., description, (33)
pruning and ringing, (40) 42.	748. (Coccesio) response meter (27) 57
pruning experiments, (26) 641; (33) 140.	(Cacoecia) responsana, notes, (27) 57.
radioactive fertilizers for, (35) 628.	forskalegna life history (31) 157
rail shipments and distribution of, (33) 837.	causing decay in oranges, (39) 159. forskaleana, life history, (31) 157. fumiferana, see Spruce bud moth and Spruce
recipes, (39) 165.	bud worm.
red pigment of, (32) 203.	oleraceana n.sp., description, (36) 552.
red spider attacking, (39) 65.	pilleriana, destruction by heat, (34) 653
reducing and nonreducing sugars in, (29) 503.	pronubana—
relation to cholera, (27) 766.	notes, (30) 356.
removal of Bordeaux mixture stains from, (35)	on carnations, (33) 655.
644.	studies, (39) 466.
resistance to cold, (39) 525. resistance to Fusarium, (39) 150.	viridana—
This cours nigricans offorting (30) 349 351	life history, (37) 57.
seed production and germination, (39) 841.	notes, (29) 558.
seed freatment. (39) 238.	remedies, (32) 850,
seedless, production, (34) 233.	studies, (28) 559.
seed production and germination, (39) 841. seed treatment, (39) 238. seedless, production, (34) 233. selection experiments, (40) 444. selection for will resistance, (34) 646.	Torula—
selection for wilt resistance, (34) 646.	communis in sugar, (38) 806.
sodium nitrate for, (39) 328. spraying, (39) 345, 756. spraying and dusting experiments, (36) 750.	pulcherrima, notes, (29) 116.
spraying, (39) 345, 756.	sp., in Stilton cheese, (28) 879. Torulae, itinerary in butter manufacture, (39) 78.
spraying and dusting experiments, (36) 750.	Torulin, isolation, (28) 67.
spraying in relation to detayed ripening, (60)	Tosastes cinerascens, notes, (35) 364.
854.	Tonmevella liriodendri, notes, (28) 554; (33) 58, 253.
straw mulch for, (39) 241. transpiration as affected by Bordeaux mixture,	Tourmaline, decomposition by soil bacteria and
(38) 126.	Tourmaline, decomposition by soil bacteria and yeast, (31) 121.
treatise, (37) 645.	Towe beans, culture experiments, (32) 227.
wantation in (28) 630: (20) 330	Towels, roller, dissemination of typhoid lever by,
variation 11, (23) (35) (25) (25) (27) (27) (27) (27) (27) (27) (27) (27	(31) 68.
236, 439, 835; (32) 141, 438, 636; (33) 140, 438,	Towns, little, rural relationships, (40) 892.
735; (34) 146, 232; (35) 539; (36) 137; (37) 645.	Toxascaris limbata—
Varietics—	dissemination by flies, (30) 659.
for canning, (39) 241.	studies, (40) 186, 187.
resistant to Cladosporium fulvum, (33)	excretions of plants, (27) 30.
247. resistant to disease, (38) 843.	solutions, determination of antagonism, (31)
susceptible to Fusarium wilt, (29) 436.	627.
variety tests, (39) 240; (40) 44.	solutions, effect on plants, (32) 627.
variety tests, difficulties in, (29) 41.	substances, determination of minimal lethal
regetation and reproduction, (40) 40.	substances, determination of minimal lethal dose, (31) 80.
water content as affected by cooking, (26) 462.	substances, effect on offives, (20) 825.
WIDLET, GISBASE DI. (50) 540, (40) 199,	Toxicity—
yield as affected by crossing, (27) 239. Tomicus radiatue n.sp., description, (34) 361.	and malnutrition in plants, discussion, (33) 725.
Tomicus radiatae n.sp., description, (34) 361.	theory of, (34) 652.
Tomocera californica, parasitic on black scale, (26)	Toxicology— avian, experiments in, (40) 587.
555	treatise, (27) 679.
Tomostethus multicinctus, notes, (26) 254.	Toxinaemia, ovine, studies, (28) 182.
Tonics, bitter, effect on gastric secretion, (32) 858.	Toxins—
Tonsilitis— epidemics, milk-borne, (32) 577.	and microhes treatise (28) 373.
outbreak, due to milk supply, (26) 575.	hacterial, action of formaldehyde on, (26) 782.
Tonography—	bacterial, in soils, (32) 399.
of Iowa. (28) 316.	bacterial, in soils, (32) 399. detection in food, (31) 207.
of Iowa, (28) 316. relation to frost, (28) 414.	nyation by ieucocytes, (34) 273.
Tor grass, description and eradication, (29) 142.	formation by plants, (31) 627. in treatment and diagnosis, (36) 575.
Torenia fournieri, mineral nutrition, (28) 224.	in treatment and diagnosis, (30) 5/3.
Tornado-	of intestinal parasites, (34) 879. preparation and sale in United States, (32) 875.
at Owosso, Michigan, (26) 614.	propagation and sale, (28) 677; (39) 787.
at Pace, Fla., (34) 614. Bremo Bluff, (27) 413.	seperation (38) 786.
Bremo Blun, (27) 415.	separation, (38) 786. soil, formation, (34) 218.
in eastern Mississippi, (34) 615.	verminous, paper on, (32) 271.
Lebanon, Kans., (30) 417.	Toxoplasma canis, studies, (29) 484.

Toxoptera-	Tractors—Continued.
analytical key and notes, (27) 256.	qualifications, (36) 287.
aurantiae, notes, (26) 755.	relation of drawbar pull to weight, (31) 589.
coffene, notes, (37) 662.	repairing boilers of, (34) 890.
graminum—	short-course instruction in, (36) 400; (38) 95.
destruction by birds, (29) 452.	small—
embryology, (33) 748. in Texas, (40) 856.	farm, paper on. (26) 789.
in Texas, (40) 856.	for threshermen, (33) 489.
in the South, (30) 559.	paper on, (26) 789.
natural control of, (31) 352.	progress in, (33) 589.
notes, (26) 856; (30) 658; (36) 755.	specifications, (35) 391, 791; (37) 788, 896.
on coffee in India, (10) 651.	steam, dynamometer for, (30) 389.
outbreak in Kansas, (37) 561. parasite of, (32) 353.	steam, indicator for testing, (29) 389.
remedies, (34) 653.	tests, (27) 791; (28) 685; (29) 86, 390; (30) 19((31) 187, 487, 590; (32) 189; (34) 589; (35) 293 687, 688; (36) 189, 288, 389, 588, 589; (37) 387 886; (38) 790, 791.
muhlenbergiae, n.sp., description, (27) 256.	687, 688; (36) 189, 288, 389, 588, 589; (37) 387
Toxorhynchites immisericors, destructive to mo-	886; (38) 790, 791.
squitoes, (26) 349.	treatise, (38) 390.
Toxotrypana curvicauda—	uso in—
danger of introduction, (39) 467.	corn belt, (35) 292. Mexico, (38) 683. pulling trees, (29) 389. road grading, (26) 685.
investigations, (32) 60.	Mexico, (38) 693.
notes, (29) 652.	pulling trees, (29) 389.
Toxylon pomiferum as source of rubber, (29) 546.	road grading, (26) 685.
Toyama, K., biographical sketch, (39) 200. Trachea—	Russia, (32) 589.
basilinea, notes, (36) 552.	use on farms, (32) 886. v. horses for farm power, (31) 186; (32) 589; (37)
in warm-blooded animals, size of, (28) 375.	227.
Tracheids, ray-	v. horses for hauling gravel, (35) 495.
in conifers. (28) 440.	views of users of, (33) 488, 489.
in Quercus alba, (38) 45. in Sequoia sempervirens, (30) 744.	Trade winds of—
in Sequoia sempervirens, (30) 744.	Atlantic and northern European seas, (34) 118
Trachoma bodies—	North Atlantic, relation to temperature in
culture experiments, (30) 278. notes, (27) 780.	Europe, (36) 719.
Trochyduron thomasican mater (00) 147, (00) 050.	Traders, farmers, and agricultural organization booklet, (28) 292. Tradescantia—
Trachyderes thoracicus, notes, (26) 147; (28) 858; (30) 454.	Tradegoratio
Trachykele sp. on cedar, (39) 467.	discolor as affected by anesthetics, (20) 824.
Traction—	root hairs as affected by hog water, (29) 523.
farming and engineering, handbook, (30) 89.	scopulorum, notes, (29) 441.
genr, description and tests, (29) 389.	self-sterility, (38) 426.
plowing, treatise, (26) 89.	self-sterility, (38) 426. Traffic laws in relation to highway engineering
Tractioneers, training, (26) 686.	(40) 387.
Tractor—	Tragocephala protiosa, notes, (29) 853.
engines—	Tragus racemosus, analyses and digestibility, (32)
fuels for, (40) 190.	167.
low gravity fuels for, (26) 398.	Trailers, specifications, (35) 585. Trails, construction in National Forests, (34) 190.
magneto ignition, (40) 190. experience in Illinois, (39) 591.	Trametes—
farming, survey in Iowa, (38) 292.	pini—
hitches and adjustments for plows, (38) 88.	effect on wood of Pinus excelsa, (33) 855.
implements, need of, (26) 398.	in India. (34) 547.
plowing, see Plowing.	notes, (27) 653; (28) 241; (29) 851; (31) 348, 547, 646; (36) 453; (38) 332.
transmissions, (40) 190.	
	047, 040; (30) 453; (38) 332.
Tractors-	sporopriores of, (55) 552,
Tractors-	sportophores of, (33) 552. studies, (35) 155.
Tractors-	spotophiores of, (35) 352. studies, (35) 155. radiciperda infection of wood by, (33) 651.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685, bearings for, (35) 293, buying (38) 699	spotophores of, (35) 552. Studies, (35) 155. radiciperda infection of wood by, (33) 651. septum, notes, (27) 753
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685, bearings for, (35) 293, buying (38) 699	sputoies, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. sepium, notes, (27) 753 serialis, notes, (35) 252.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685, bearings for, (35) 293, buying (38) 699	sputoies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 252. setosus n.sp., doscription, (31) 247.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685, bearings for, (35) 293, buying (38) 699	spotophores 3, (55) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. sepium, notes, (27) 753 serialis, notes, (35) 252. setosus n.sp., description, (31) 247. spp. on forest trees, (40) 340. Translocation in young trees, (27) 425.
Tractors—	spotophores in, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 253. sectosus n.sp., description, (31) 247. spp. on forest trees, (40) 340. Translocation in young trees, (27) 425. Transpiration—
Tractors—	spotophores of, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 252. setosus n.sp., description, (31) 247. spp. on forest trees, (40) 340. Transpiration— und absorption in plants, differentiation, (26)
Tractors—	spotophores in, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 753 serialis, notes, (35) 253. setosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpication in young trees, (27) 425. Transpiration— und absorption in plants, differentiation, (26) 822.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. beurings (or., (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic strides, (40) 999.	spotophores of, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 252. setosus n.sp., doscription, (31) 247. spp. on forest trees, (40) 340. Transpiration— and absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33), 127.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. beurings (or., (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic strides, (40) 999.	spotophores of, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. sepium, notes, (27) 753 serialis, notes, (35) 252. setosus n.sp., description, (31) 247. spp. on forest trees, (40) 340. Translocation in young trees, (27) 425. Transpiration— und absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33), 127. sap flow in plants, (27) 222.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. beurings (or., (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic strides, (40) 999.	spotophores in, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 253. sertosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Translocation in young trees, (27) 425. Transpiration— and absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33), 127. sap flow in plants, (27) 222. water vapor retontion in plants, (29) 524.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawbar rating of, (35) 791, 890. economic size, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 180.	spotophores of, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 252. setosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— und absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33), 127. sap flow in plants, (27) 222. water vapor retonition in plants, (29) 524. as a factor in crop production, (35) 823.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 180. farm, directory and specifications, (35) 889. for farms, (35) 87.	spotophores at, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 253. sertosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— und absorption in plants, differentiation, (26) 822. sup ascent in plants, treatise, (33) 127. sup flow in plants, (27) 222. water vapor retonition in plants, (29) 524. as a factor in crop production, (35) 823. effect on—
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 180. farm, directory and specifications, (35) 889. for farms, (35) 87.	spotophores at, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 253. sertosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— und absorption in plants, differentiation, (26) 822. sup ascent in plants, treatise, (33) 127. sup flow in plants, (27) 222. water vapor retonition in plants, (29) 524. as a factor in crop production, (35) 823. effect on—
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings 107, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawber rating of, (35) 791, 890. economic sire, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. engineoring charts, (40) 180. farm, directory and specifications, (35) 889. for farms, (36) 87. for intertilled crops, (26) 398. for small farms, (38) 497.	spotophores in, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 253. sertosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— and absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33), 127. sap flow in plants, (27) 222. water vapor retonition in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. soil moisture, (28) 218.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (38) 491. drawbar rating of, (35) 791, 890. economic size, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 180. farm, directory and specifications, (35) 889. for farms, (35) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188.	spotophores of, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 253. setosus n.sp., doscription, (31) 247. spp. on forest trees, (40) 349. Transpiration— and absorption in plants, differentiation, (26) 822. sup ascent in plants, treatise, (33) 127. sup flow in plants, treatise, (33) 127. sup flow in plants, (27) 222. water vapor retontion in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. soil moisture, (28) 218. experiments with plants, (38) 223.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (38) 491. drawbar rating of, (35) 791, 890. economic size, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 180. farm, directory and specifications, (35) 889. for farms, (35) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188.	spotophores in, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 253. sertosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— and absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33), 127. sap flow in plants, (27) 222. water vapor retontion in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. sol moisture, (23) 218. experiments with plants, (38) 223. in corn and sorsburns, (39) 440.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 180. farm, directory and specifications, (35) 889. for farms, (35) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185.	spotophores in, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 253. sertosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— and absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33), 127. sap flow in plants, (27) 222. water vapor retontion in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. sol moisture, (23) 218. experiments with plants, (38) 223. in corn and sorsburns, (39) 440.
Tractors— agricultural, notes, (29) 185. agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compaction of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 580. directory, (36) 491. drawbar rating of, (35) 791, 890. economic size, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 180. ongineering charts, (40) 180. for (arms, (35) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185. testing, (28) 200.	spotophores in, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 753 serialis, notes, (35) 252. sectosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— und absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33) 127. sap flow in plants, (27) 222. water vapor retontion in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. soil moisture, (23) 218. experiments with plants, (38) 223. in corn and sorghums, (39) 440. desert plants, (27) 331; (34) 728; (37) 129. leaves, (31) 222.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings 107, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. directory, (36) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 180. farm, directory and specifications, (35) 889. for farms, (35) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185. testing, (28) 200. treatise, (31) 590.	spotophores of, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 252. setosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— and absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33) 127. sap flow in plants, (27) 222. water vapor retontion in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. soil moisture, (23) 218. experiments with plants, (36) 223. in corn and sorghums, (39) 440. desert plants, (27) 331; (34) 728; (37) 129. leaves, (31) 222. leaves at different stages, (28) 823.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic strides, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 180. farm, directory and specifications, (35) 889. for farms, (35) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185. testing, (28) 200. treatise, (31) 590. Use in Iowa, (33) 488.	spotophores of, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 753 serialis, notes, (35) 252. sectosus n.sp., description, (31) 247. spp. on forest trees, (40) 340. Transpiration— und absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33) 127. sap flow in plants, (27) 222. water vapor retontion in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. soil molsture, (23) 218. experiments with plants, (38) 223. in corn and sorghums, (39) 440. desert plants, (27) 331; (34) 728; (37) 129. leaves, (31) 222. leaves at different stages, (28) 823.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings 107, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. directory, (36) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 180. farm, directory and specifications, (35) 889. for farms, (35) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185. testing, (28) 200. treatise, (31) 590.	spotophores of, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 753 serialis, notes, (35) 252. sectosus n.sp., description, (31) 247. spp. on forest trees, (40) 340. Transpiration— und absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33) 127. sap flow in plants, (27) 222. water vapor retontion in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. soil molsture, (23) 218. experiments with plants, (38) 223. in corn and sorghums, (39) 440. desert plants, (27) 331; (34) 728; (37) 129. leaves, (31) 222. leaves at different stages, (28) 823.
Tractors— agricultural, notes, (29) 185. agricultural, tests, (28) 685. bearings (ar., (35) 298. buying, (38) 692. compaction of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawbar roting of, (35) 791, 890. economic strucies, (40) 190. economic strucies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 190. for farms, (35) 87, for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185. testing, (28) 200. treatise, (31) 590. use in lowa, (33) 488. gasoline and oil, directory and specifications, (34) 881. gears, (40) 190.	spotophores of, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 753 serialis, notes, (35) 252. sectosus n.sp., description, (31) 247. spp. on forest trees, (40) 340. Transpiration— und absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33) 127. sap flow in plants, (27) 222. water vapor retontion in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. soil molsture, (23) 218. experiments with plants, (38) 223. in corn and sorghums, (39) 440. desert plants, (27) 331; (34) 728; (37) 129. leaves, (31) 222. leaves at different stages, (28) 823.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 180. farm, directory and specifications, (35) 889. for farms, (35) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185. testing, (28) 200. treatise, (31) 590. use in lowa, (33) 488. gasoline and oil, directory and specifications, (34) 891. gears, (40) 190. harvesting and plowing simultaneously with,	spotophores of, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 252. setosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— and absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33) 127. sap flow in plants, (27) 222. water vapor retontion in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-oif, (40) 810. soil moisture, (28) 218. experiments with plants, (38) 223. in corn and sorghums, (39) 440. desert plants, (27) 321; (34) 728; (37) 129. leaves, (31) 222. leaves at different stages, (28) 823. leaves, resistance to, (28) 528; (29) 217. Mangroves, (30) 30. plants, (27) 222, 223, 522; (31) 324; (33) 628; (34) 334; (35) 638; (36) 225, 824; (37) 429. (34) 334; (35) 633; (36) 225, 824; (37) 429.
Tractors— agricultural, notes, (29) 185. agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compaction of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 580. directory, (36) 491. drawbar rating of, (35) 791, 890. economic size, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 180. form, directory and specifications, (35) 889. for farms, (35) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185. testing, (28) 200. treatise, (31) 890. use in lowa, (33) 488. gasoline and oil, directory and specifications, (34) 891. gears, (40) 190. harvesting and plowing simultaneously with, (38) 390.	spotophores in, (33) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 753 serialis, notes, (35) 252. sertosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— und absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33) 127. sap flow in plants, (27) 222. water vapor retontion in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. soil molisture, (23) 218. experiments with plants, (38) 223. in corn and sorghums, (39) 440. desert plants, (27) 331; (34) 728; (37) 129. leaves, (31) 222. leaves at different stages, (28) 823. leaves, (38) 222. leaves at different stages, (28) 221. Mangroves, (30) 30. plants, (27) 222, 223, 522; (31) 324; (33) 628; (34) 334; (35) 633; (30) 225, 824; (37) 429 (30) 122, 223, 631; (40) 27, 427, 820. plants as affected by—
Tractors— agricultural, notes, (29) 185. agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compaction of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 580. directory, (36) 491. drawbar rating of, (35) 791, 890. economic size, (40) 190. economic studies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 180. form, directory and specifications, (35) 889. for farms, (35) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185. testing, (28) 200. treatise, (31) 890. use in lowa, (33) 488. gasoline and oil, directory and specifications, (34) 891. gears, (40) 190. harvesting and plowing simultaneously with, (38) 390.	spothores of, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 252. setosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— and absorption in plants, differentiation, (26) 822. sap ascent in plants, treatise, (33) 127. sap flow in plants, (27) 222. water vapor retontion in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. soil moisture, (28) 218. experiments with plants, (36) 223. in corn and sorghums, (39) 440. desert plants, (27) 331; (34) 728; (37) 129. leaves, (31) 222. leaves at different stages, (28) 823. leaves, resistance to, (28) 528; (29) 217. Mangroves, (30) 30. plants, (27) 222, 223, 522; (31) 324; (33) 628; (34) 334; (35) 638; (36) 225, 824; (37) 429 plants as affected by— attitude and habitat. (35) 732.
Tractors— agricultural, notes, (29) 185. agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compaction of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic strudies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 180. farm, directory and specifications, (35) 889. for farms, (35) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185. testing, (28) 200. treatise, (31) 590. use in lowa, (33) 488. gasoline and oil, directory and specifications, (34) 891. gears, (40) 190. harvesting and plowing simultaneously with, (38) 390. harvesting, operation, (34) 891. in Idaho farming, (40) 90.	spothores in, (33) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 753 serialis, notes, (35) 252. setosus n.sp., doscription, (31) 247. spp. on forest trees, (40) 349. Transpiration— and absorption in plants, differentiation, (26) 822. sup ascent in plants, treatise, (33) 127. sup flow in plants, (27) 222. water vapor retention in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. sol moisture, (28) 218. experiments with plants, (38) 223. in corn and sorghums, (39) 440. desert plants, (27) 331; (34) 728; (37) 129. leaves, (31) 222. leaves at different stages, (28) 823. leaves, resistance to, (28) 528; (29) 217. Mangroves, (30) 30. plants, (27) 222, 223, 522; (31) 324; (33) 628; (34) 334; (35) 633; (30) 225, 824; (37) 429. plants as affected by— attitude and habitat, (35) 732. Bordeaux mixture, (38) 828.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings 107, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 580. directory, (38) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic strie, (40) 190. economic strie, (40) 190. ongineoring charts, (40) 180. farm, directory and specifications, (35) 889. for larms, (38) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185. testing, (28) 200. treatise, (31) 590. use in lowa, (33) 488. gasoline and oil, directory and specifications, (34) 881. gears. (40) 190. harvesting and plowing simultaneously with, (38) 390. (38) 390. harvesting, operation, (34) 891. in Idaho farming, (40) 90. in Indiana farming, (40) 90. in Indiana farming, (40) 90. in Indiana farming, (40) 90.	spothphores if, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 253. sertosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— und absorption in plants, differentiation, (26) 822. sup ascent in plants, treatise, (33) 127. sup flow in plants, treatise, (33) .127. sup flow in plants, (27) 222. water vapor retonition in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. soul moisture, (23) 218. experiments with plants, (38) 223. in corn and sorghums, (30) 440. desert plants, (27) 331; (34) 728; (37) 129. leaves, (31) 222. leaves at different stages, (28) 823. leaves, resistance to, (28) 528; (29) 217. Mangroves, (30) 30. plants, (27) 222, 223, 522; (31) 324; (33) 628; (34) 334; (35) 633; (30) 225, 824; (37) 429. plants as affected by— altitude and habitat, (35) 732. Bordeaux mixture, (39) 828. environment, (34) 522.
Tractors— agricultural, notes, (29) 185. agricultural, tests, (28) 685. bearings for, (35) 293. buying, (38) 692. compaction of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 590. directory, (36) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic strudies, (40) 299. efficiency and tests, (27) 387. enduring, design of, (40) 190. ongineering charts, (40) 180. farm, directory and specifications, (35) 889. for farms, (35) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185. testing, (28) 200. treatise, (31) 590. use in lowa, (33) 488. gasoline and oil, directory and specifications, (34) 891. gears, (40) 190. harvesting and plowing simultaneously with, (38) 390. harvesting, operation, (34) 891. in Idaho farming, (40) 90. in Indiana farming, (40) 788. notes, (27) 791.	spothphores in, (33) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 252. serialis, notes, (36) 252. serious n.sp., doscription, (31) 247. spp. on forest trees, (40) 349. Transpiration— and absorption in plants, differentiation, (26) 822. sup ascent in plants, treatise, (33), 127. sup flow in plants, (27) 222. water vapor retontion in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. soil moisture, (28) 218. experiments with plants, (38) 223. in corn and sorghums, (39) 440. desert plants, (27) 331; (34) 728; (37) 129. leaves, (31) 222. leaves at different stages, (28) 823. leaves, resistance to, (28) 528; (29) 217. Mangroves, (30) 30. plants, (27) 222, 223, 522; (31) 324; (33) 628; (34) 334; (35) 633; (30) 225, 824; (37) 429. (39) 122, 223, 631; (40) 27, 427, 820. plants as affected by— altitude and habitat, (35) 732. Bordeaux mixture, (34) 522. rusts, (39) 26.
Tractors— Agricultural, notes, (29) 185. Agricultural, tests, (28) 685. bearings 107, (35) 293. buying, (38) 692. compartion of soils by, (36) 400. cost of operation, (38) 292. description, (30) 291, 580. directory, (38) 491. drawbar rating of, (35) 791, 890. economic sire, (40) 190. economic strie, (40) 190. economic strie, (40) 190. ongineoring charts, (40) 180. farm, directory and specifications, (35) 889. for larms, (38) 87. for intertilled crops, (26) 398. for small farms, (38) 497. gas, construction and operation, (35) 188. in eastern farming, (40) 89. standardization, (29) 185. testing, (28) 200. treatise, (31) 590. use in lowa, (33) 488. gasoline and oil, directory and specifications, (34) 881. gears. (40) 190. harvesting and plowing simultaneously with, (38) 390. (38) 390. harvesting, operation, (34) 891. in Idaho farming, (40) 90. in Indiana farming, (40) 90. in Indiana farming, (40) 90. in Indiana farming, (40) 90.	spothphores if, (35) 552. studies, (35) 155. radiciperda infection of wood by, (33) 651. septium, notes, (27) 763 serialis, notes, (35) 253. sertosus n.sp., description, (31) 247. spp. on forest trees, (40) 349. Transpiration— und absorption in plants, differentiation, (26) 822. sup ascent in plants, treatise, (33) 127. sup flow in plants, treatise, (33) .127. sup flow in plants, (27) 222. water vapor retonition in plants, (29) 524. as a factor in crop production, (35) 823. effect on— plant growth and distribution, (31) 625. run-off, (40) 810. soul moisture, (23) 218. experiments with plants, (38) 223. in corn and sorghums, (30) 440. desert plants, (27) 331; (34) 728; (37) 129. leaves, (31) 222. leaves at different stages, (28) 823. leaves, resistance to, (28) 528; (29) 217. Mangroves, (30) 30. plants, (27) 222, 223, 522; (31) 324; (33) 628; (34) 334; (35) 633; (30) 225, 824; (37) 429. plants as affected by— altitude and habitat, (35) 732. Bordeaux mixture, (39) 828. environment, (34) 522.

Transpiration—Continued.	Tree_Continued.
in plants-continued.	planting—continued.
in winter, (31) 728.	machine description (24) 745
measuring. (37) 429.	machine, description, (36) 745. use of dynamite in, (32) 535.
notes, (26) 532.	ties of a plositos in (98) 01
notes, (26) 532. periodicity, (37) 429. regulation, (32) 522.	use of explosives in, (26) 91. puller, hand-winch, description, (27) 191.
regulation, (32) 522.	roach in Hawaii, (34) 59.
relation to soil fertility, (26) 36, studies, (29) 524; (32) 221; (33) 29, 628, frentise, (33) 127.	roots adaptation to equatio mediums 400 (F
studies, (29) 524; (32) 221; (33) 29, 628.	roots, adaptation to aquatic mediums, (80) 45. rots, descriptions, (35) 755.
treatise, (33) 127.	rusts—
prairie and forest plants, (26) 821. prairie plants, (26) 821; (36) 734. ram-forest plants, (32) 429. stoppe plants, (37) 120.	and their treetment (27) 155
prairie plants, (26) 821: (36) 734	and their treatment, (37) 155.
rain-forest plants. (32) 429	inoculation experiments, (38) 253.
steppe plants. (37) 120	notes, (38) 553; (40) 349.
succulent plants (27) 522	overwintering, (39) 553. pycnial stages, (38) 253.
succulent plants, (27) 522. sugar cane, (39) 331.	pychiai stages, (38) 253.
water plants (27) 222 (22) 428	seed-
water plants, (27) 223, (32) 426. wet leaves, (27) 222.	coniferous, studies, (39) 750.
wheat seedlings, (28) 629.	industry in British Isles, (39) 145.
white pine goodlings (22) 025.	testing, (39) 847.
white pine seedlings, (33) 224.	testing station at Eberswalde, (34) 837.
physics of, (28) 729.	vitality as factor in determining forest types, (39) 145.
relation to—	types, (39) 145.
composition of pine seedlings, (32) 824.	seedlings-
soil moisture, (36) 525. stomata, (35) 27; (36) 329. water content of leaves, (26) 627; (27) 331.	growth in shade, (36) 243.
stomata, (35) 27; (36) 329.	transplanting lath for, (37) 836.
water content of leaves, (26) 627; (27) 331.	seeds-
relative, in plants, studies, (30) 726. scale, automatic, description, (34) 226.	as affected by locality, (32) 339.
scale, automatic, description, (34) 226.	chalcidids affecting, (28) 657.
stream, relation to absorption of salts, (30) 629.	collecting, storing, and planting, (27) 148.
stream, relation to absorption of salts, (30) 629. studies, (36) 225.	coniferous, germination tests, (33) 645.
Transpiring power of plants, (34) 334, 728; (36) 824;	depth of covering, (37) 451.
P: (37) 26.	extracting and cleaning, (28) 146.
Transpirometer, recording description (31) 32	germination, (33) 343.
Transpirometer, recording, description, (31) 32. Transportation of perishable products, (40) 488.	germination tests, (26) 842; (30) 646; (38) 846.
Transist monks distary studies (28) 868	hastening germination, (38) 248.
Trappist monks, dietary studies, (26) 868. Traps, glass, for insects, (26) 153.	methods of testing, (34) 837.
Transhantriaklare nates (28) 655	preservation, (35) 346.
Traubenwicklers, notes, (26) 655.	production, determination, (33) 144.
Traumatic shock and hemorrhage, treatment, (39)885	selection, (38) 45.
Traumatism—	source of, if natural reproduction, (38) 145.
in living cells, (38) 647.	storage experiments, (33) 243; (37) 547.
immunization, (34) 580.	testing in Scandingvia (24) 440
Tree-	testing in Scandinavia, (34) 440.
branches, movement at freezing temperatures,	choote analysees (90) 570
(36) 129.	testing methods, (31) 639. shoots, analyses, (29) 570. study, leaf-portfolio as an aid in, (30) 898.
canker, cause, (26) 448.	Surgery, lear-portions as an aid in, (50) 595.
crickets-	Surgery—
as carriers of fungi. (35) 547.	notes, (31) 340, 646; (32) 637.
life history and bionomics, (33) 653.	pneumatic chisel in, (30) 642.
life history and bionomics, (33) 653. notes, (29) 354.	treatise, (30) 236.
relation to annia canker (34) 863	trunks, introduction of solutions into, (36) 740.
studies, (31) 649.	trunks, winter expansion, (39) 628.
crop, new, testing for hardiness, (40) 538.	volumes, graphic calculation, (40) 153.
	wounds and diseases, treatment, (36) 544.
diseases—	wounds, painting, (35) 446.
and insect pests, control, (35) 461.	Trees-
bibliography, (27) 753.	absence on high prairies, (38) 521.
control, (40) 252.	acclimatizing, (28) 543. American and Japanese, in Royal Forest at
descriptions, (30) 151.	American and Japanese, in Royal Forest at
due to the larger fungi, (40) 349.	Hambach, (30) 645.
forest surveys of, (39) 357.	and shrubs—
forest surveys of, (39) 357. in California and Nevada, (30) 751. eastern United States, (27) 450.	deciduous, of central Europe, handbook,
eastern United States, (27) 450.	(30) 742.
r edgraded ivlaisty States, (29) 302.	for seaside planting, (40) 447 of British Isles, treatise, (32) 337.
India, (36) 453.	of British Isles, treatise, (32) 337.
Mecklenburg, (31) 343.	on the farm, (40) 447.
India, (36) 453. Mecklenburg, (31) 343. Montana, (38) 553. southern Appalachians, (31) 348, 646. Texus, (26) 645. manual, (40) 653. notes, (26) 852; (27) 646, 653, 747, 753, 851; (28) 148, 555; (29) 446, 552, 851; (30) 147, 245, 849; (31) 845; (34) 448; (36) 353, 423, 842; (37) 760.	on the farm, (40) 447. treatise, (30) 445. animals injurious to, (26) 452.
southern Appalachians, (31) 348, 646.	animals injurious to, (26) 452.
Texas, (26) 645.	artificial medication of, (26) 451.
manual, (40) 53.	as affected by—
notes, (26) 852; (27) 645, 653, 747, 753, 851;	asphyxiating gas, (37) 253.
(28) 148, 555; (29) 446, 552, 851; (30) 147,	bark ringing, (38) 128.
245, 849; (31) 845; (34) 448; (36) 353, 453,	bark ringing, (38) 128. cyanid, (32) 846.
842: (37) 760.	forest fires, (27) 348. freezing, (28) 824. grass, (29) 339.
	freezing, (28) 824.
treatise, (36) 540.	grass. (29) 339.
treatment, (27) 452.	illuminating gas, (35) 636.
feller, steam, description, (36) 45.	ivy, (35) 636.
fillings for orchard and shade trees, (32) 637.	light, (32) 144.
fungi, new hosts for, (33) 550.	miscible oils, (33) 252.
	oxalic compounds. (29) 49.
hoppers—	oxalic compounds, (29) 49. potassium cyanid, (33) 154, 556, 725; (39)
bird enemies, (39) 860.	225, 762.
injurious to apple orchards, (32) 449.	smoke, (33) 428.
of Nova Scotia, (40) 57.	smoke, (33) 428. smoke and flue dust, (26) 38.
leaves, effect of sun and shade on, (37) 747.	emoke and tas (22) 92
of heaven, history and botanical notes, (35) 747.	smoke and gas, (38) 28. tarred roads, (26) 432; (27) 30, 333.
pests, notes, (26) 59.	as lightning conductors, (27) 444.
planter, mechanical, description, (31) 341.	as againing conductions, (at) 1111
planting—	ascent and descent of water in, (29) 524. assimilation and chlorophyll content of leaves,
camps, (37) 243.	assimulation and emorophy in content of leaves, (28) 728.
APPLIABING TOPTINGER SHOULD APPLICATE AND A	1401140.

Frees—Continued.	Trees-Continued.
at Belle Fourche experiment farm, (36) 143.	forest—
at forest nursery in Rhodesia, (10) 611.	as affected by calcium salts, (32) 728. as affected by heat, (31) 348.
autumn twig cast (29) 217.	as affected by heat, (31)348.
bark structure, (27) 347. berry-bearing, for birds, (34) 238. bibliography, (26) 442; (34) 234. blasting, (29) 183. bloodier, pedes (20) 357	breeding experiments, (33) 735.
berry-bearing, for birds, (34) 238.	concrescences in, (30) 432.
bibliography, (26) 442; (34) 234.	cryptogamic diseases of, (37) 53.
blasting, (29) 183.	culture experiments, (33) 236, 735.
bleeding, notes, (29) 357. blooming dates for Iowa, (26) 237; (27) 240.	culture under dry farming, (30) 435.
blooming dates for Iowa, (26) 237; (27) 240.	fertilizers for, (28) 813.
branch movements in, (20) 526.	germination and early growth, (36) 417.
breeding, (28) 543.	injuries by mico, (26) 200.
breeding experiments, (27) 343; (32) 539; (38) 641.	insects affecting, (30) 53; (34) 651.
broad-leaf deciduous, of United States, (37) 340.	nursery, cost accounts for, (34) 641.
broad-leaved, form height tables for, (35) 347.	of Canada, (36) 614.
cambial activity, (37) 128.	Europe, encyclopedia, (31) 143.
Chinese, for Pacific slope and Gulf coast regions,	Great Britain, (36) 746.
(35) 450.	Hawaii (26) 745
Chinese ornamental, notes, (32) 440.	Madagasar, (34) 712. phenological data, (33) 825. root growth, (35) 223; (37) 27. tolerance studies, (31) 610, 838; (36) 212. winterkilling, (27) 348.
composition during vegetative period, (27) 630. coniferous, see Conifers.	phenological data, (33) 825.
coniferous, see Conifers.	root growth, (35) 223; (37) 27.
cost of planting, (32) 839,	tolerance studies, (31) 640, 535; (36) 242.
cost of planting, (32) 839. cost of pulling, (29) 389.	winterkilling, (27) 348.
culture, (31) 140.	form as affected by wind, (29) 27.
culture—	frost cracks on, (28) 330.
and care (21) 970	frost injuries, (27) 851; (28) 148.
and surgery, (36) 897. experiments, (26) 237; (27) 343; (28) 147, 827; (32) 539, 542; (36) 39; (35) 44, 641. in California, treatise, (33) 441. Ludia, (27) 537. Ludia (27) 237.	fungus root rot affecting, (27) 450.
experiments, (26) 237; (27) 343; (28) 147, 827;	gas injury, (37) 726.
(32) 539, 542; (36) 39; (38) 44, 641.	gas poisoning of, (30) 131.
in California, treatise, (33) 441.	
India. (27) 537.	girth-increment measurements, (31) 347.
Lucknow, (34) 232.	growing season, (39) 122.
sand hills of Nebraska, (35) 812.	growth—
South Dokata (20) 440	as affected by removal of forest litter, (27)
western Nebraska, (29) 546: (32) 234	845.
damage by iron spurs, (38) 555. damage by lightning, (34) 510. defoliated, growth in, (29) 643.	as affected by soils, (20) 416.
damage by lightning, (34) 510.	ourves for, (35) 347. in drifting sand, (32) 47. in vicinity of Grinnell, Iown, (38) 544.
defoliated, growth in. (29) 643.	in drifting sand, (32) 47.
desert, transpiration, (32) 429.	in vicinity of Grinnell, lown, (38) 544.
destruction by termites, (28) 563.	measurements, (39) 246.
determination of increment by stem analysis,	measuring device, (10) 817.
(40) 153.	meteorological factors in, (32) 237.
diameter growth, causes, (29) 342; (40) 744. diameter growth in, (34) 536; (35) 648. differences in wood of upper and lower sides of	measurements, (39) 246. measuring device, (40) 817. meteorological factors in, (32) 237. relation to precipitation, (30) 417, 445. relation to rainfall and sun spots, (38) 415.
diameter growth in. (34) 536; (35) 648.	relation to rainfall and sun spots, (38) 415.
differences in wood of upper and lower sides of	rings and runtan, runtionsing, (31) /10.
branches, (39) 629.	rôle of soil temperature in, (30) 541.
distribution—	studies, (28) 49; (32) 840; (35) 841.
for western Nebraska. (36) 143.	growing on grass land, (26) 639.
in Karafuto, (26) 842. under Kinkaid Act, (40) 248.	guide, (31) 444, 494.
under Kinkaid Act. (40) 248.	hail injury, (37) 250.
dormant, as affected by petroleum products.	handbook, (26) 642; (27) 346.
dormant, as affected by petroleum products, (29) 354; (30) 657.	hardwood, growth data, (37) 651.
dressings for pruning wounds, (27) 744. dwarfing effect upon neighboring plants, (35)	growing to grass mind, (26) 659. guide, (31) 444, 494. hall injury, (37) 250. handhook, (26) 642; (27) 346. hardwood, growth data, (37) 651. hardwood, heart rots of, (30) 52. hodge, of New Zealand, (27) 541. height, measurement, (36) 442.
dwarfing effect upon neighboring plants, (35)	hedge, of New Zealand, (27) 541.
132.	height measurement, (20) 442. height measuring dovices for, (36) 144. hybridization, (30) 329; (35) 451. illustrating, (27) 401.
effect on—	height measuring devices for, (36) 144.
rainfall, (37) 716.	hybridization, (30) 329; (35) 451.
the soil and its vegetation, (32) 618.	illustrating, (27) 401.
electrical	importance of seed selection, (20) 141.
injury to, (31) 153; (32) 428.	in California, treatise, (31) 837.
resistance of, (28) 340.	in California, treatise, (31) 837. in Demorara botanic garden, (39) 546.
English names, (35) 747.	in New Zealand botanic garden. (39) 450.
evergreen-	Indian, stand measurements, (40) 46. Indian, yearly volume increments, (38) 751. indigenous, of Hawaii, treatise, (29) 643.
accumulation of reserve food material in	Indian, yearly volume increments, (38) 751.
winter, (32) 640.	indigenous, of Liuwaii, treatise, (29) 643.
for Iowa, (37) 548.	indigenous to Australia, (20) 830.
exotic—	individual selection experiments, (29) 441.
culture in Italy, (36) 45.	infertile spots under, (38) 816.
for freiand, (30) 645.	injury by grass, (38) 222.
tail v. spring planting, (31) 335.	insects affecting, (26) 654; (27) 255, 346, 356, 452,
neid manual, (31) 494; (33) 297.	552, 645, 658; (28) 248; (29) 252; (32) 448, 753;
urst grade lessons on, (31) 792.	(38) 153, 253, 746; (35) 756; (37) 459, 760; (38)
culture in Italy, (36) 45. for Ireland, (30) 645. fall v. spring planting, (31) 335. field manual, (31) 494; (33) 297. first grade lessons on, (31) 792. food movement in, (33) 127. for eastern Colorado, (37) 837. eastern Washington, (37) 146. home grounds (34) 741.	infertile spots under, (38) 816. injury by grass, (38) 222. inserts affecting, (28) 654; (27) 255, 346, 356, 452, 552, 446, 668; (24) 248; (29) 252; (32) 448, 753; (33) 153, 253, 740; (38) 756; (37) 459, 760; (38) 357, 358, 459, 556; (40) 163. inserts affecting in India, (40) 259, 260. inspection in Muryland, (27) 552. interference bands, (39) 346.
for eastern Colorado, (37) 837.	insects affecting in India, (40) 259, 260.
eastern washington, (37) 140.	inspection in Muryland, (27) 552.
home grounds, (34) 141.	interference bands, (39) 246.
Tobbe (25) Art. (27) 244. (20) 251 447	lessons on, (31) 394; (33) 696.
Zamas (31) 431; (31) 244; (39) 331, 041.	light and soil requirements, (37) 244.
home grounds, (34) 741. home planting, (39) 450. Idaho, (35) 451; (37) 244; (39) 351, 647. Kansas, (35) 43. latitude of St. Louis, (34) 439. northern Minnesota, (37) 241.	list of seeds (98) 887
northern Minnosote (27) 941	11St 01 Seeds, (28) 235.
reilway gordoning (20) 410	intorference hands, (39) 246. lessons on, (31) 394; (33) 696. light and soil requirements, (37) 244. light requirements, measurement, (33) 738. list of seeds, (28) 225. little leaf of, (34) 248. manual, (30) 645, 843. measurements, (31) 341, 839; (35) 748.
railway gardening, (35) 450. replacing railway snow fences, (36) 745.	manual, (30) 645, 843.
Phodesia (27) 748- (20) 144	measurement of height, (34) 641.
etreet and word core (01) 122.	measurements, (31) 341, 839; (35) 748.
Rhodesia, (37) 746; (39) 144. street and yard, care, (31) 536. street planting, (35) 42. Truckee-Carson reclamation project, (31)	medicinal resear (20) 841.
Truckee Coreon reclemation protect (21)	Morioon in South Adda (00) 040
835.	wiekican, in South Airles, (30) 346.
G004	
forcing experiments (22) 827	mixing, (30) 43.
forcing experiments (28) 837. forcing with radium, (27) 438. foreign, in forests of Saxony, (30) 446.	measurements, (31) 341, 839; (35) 748, measuring instrument for, (31) 341, 341, medicinal uses, (30) 244. Mexican, in South Africa, (30) 346, mixing, (35) 43, mycorrhizas affecting, (31) 127; (36) 527, new, in Kew Gardens, (31) 236, new, of Phillippines, (38) 237.

Trees-Continued.	Trees—Continued.
new or noteworthy, from Colombia and Central	ornamental—continued.
America, (34) 827. North American, distribution, (29) 149.	notes, (29) 395.
nutrient absorption in, (26) 443; (32) 748. of Agra and Oudh, (31) 235.	of Dade County, Florida, (31) 239. of Hawaii, (37) 546.
of Agra and Oudh, (31) 235.	storm and drought injury to foliage, (33) 550.
Alaska, (29) 342. America, treatise, (29) 441.	lests, (36) 443.
Argentina, (39) 451.	treatise, (37) 44.
British Guiana, (40) 542.	varieties, (29) 41, 235, 540; (36) S37; (38) 142. varieties for Illinois, (28) 437. withertip disease, (27) 152. csmotic pressure as an index of habitat, (38) 348.
California coastal climate, root characters,	withertip disease, (27) 152.
(32) 129.	osmotic pressure as an index of habitat, (38) 348.
California, descriptions, (40) 744. Cambridge Botanic Garden, (34) 152.	overthrow by wind, factors in, (39) 847. penetration by solutions, (37) 327.
Canada, (39) 145.	periodicity—
Canada, (39) 145. central Europe, (31) 538.	and annual ring formation, (28) 340.
Chile, (38) 336.	of synthetic processes in, (27) 425.
China, treatise, (33) 50. custern United States, (37) 746.	planting, (26) 543; (27) 241, 299; (36) 843. planting—
eastern United States and Canada, key, (27)	by farmers, (27) 542.
442.	by farmers, (27) 542. cooperative work, (27) 348. fall v. spring, (33) 236. in Colorado, (38) 643. pastures, (20) 130. plains rangen, (38) 348.
eastern United States, leafing, flowering, and	fall v. spring, (33) 236.
seeding calendar, (33) 844. Egypt, (36) 843.	1D COIOTAGO, (38) 643.
Florida, handbook, (30) 45.	plains region, (38) 348.
Formosa, (36) 345.	southern Rhodesia, (26) 49.
Georgia, (37) 650. Great Britain and Ircland, treatise, (28) 145;	Texas, (37) 452. methods, (33) 738. on dry farms, (28) 49. prairies, (32) 840.
(29) 747.	nethous, (35) 738.
Great Britain, handbook, (27) 646.	prairies, (32) 840.
Hawan, (36) 345.	sand dunes of Oregon coast. (38) 348.
humid tropical districts, periodicity, (31) 743. Indiana, (27) 452; (37) 44. Indiana, range and distribution, (34) 537. Indiana, White Co., (40) 152. Indo-China, properties of woods, (40) 46. Japan, growth data, (33) 844. Java, (31) 640. Java, 810s. (30) 446.	school grounds, (28) 897.
Indiana, range and distribution, (34) 537.	sugar plantations in Hawaii, (38) 644.
Indiana, White Co., (40) 152.	with dynamite, (29) 339; (31) 590; (33) 90. poisoning by gas, (31) 730. Polyporaceae on, (39) 149.
Indo-China, properties of woods, (40) 46.	Polyporaceae on, (39) 149.
Japan, growin data, (33) 844.	propagating by cuttings, (40) 340.
Java, atlas. (30) 446.	propagation and pruning, (30) 236. protection—
Java, atlas, (30) 446. Kentucky, (38) 543.	against rabbits and mice, (27) 344.
Konanuanui region, (34) 537.	and surveillance, (27) 444.
Maine, manual, (39) 144. Marico (27) 147.	in Malaya, (31) 50. radial growth and annual ring formation, (36)
Mexico, (27) 147. Michigan, (29) 43.	223.
Minnesota, manual, (28) 145. Missouri River basin, (34) 838.	red-belt injury, (40) 542.
Missouri River basin, (34) 838.	regional spread of moisture in, (40) 541.
Mount Vernon, (38) 544. Nebraska, (27) 346.	relation— hetween root habits ground water and
New Jersey, leaf key, (26) 240. New Mexico, (29) 842. New South Wales, (38) 544; (39) 145.	between root habits, ground water, and species distribution, (29) 136.
New Mexico, (29) 842.	to rainfall, (27) 348.
New South Wales, (38) 544; (39) 145.	to white grub injury, (35) 159. to woodpeckers, (26) 58.
New York, (35) 147. Newark, New Jersey, (37) 346. North America, 2014e. (39) 447.	resinous tracheids, (39) 451.
North America, (33) 437; (40) 248, 542.	resistance to gipsy moth attack, (28) 556. resistance to sulphur dioxid, (31) 146.
	resistance to sulphur dioxid, (31) 146.
North Carolina, manual, (36) 645. northeastern America, manual, (28) 342.	ring formation, (28) 49, 340. ringbarked, killing with arsenic, (34) 485.
Oahu lowlands, (34) 345.	ring-porous and diffuse-porous, (39) 122.
Oklahoma, (29) 441. Pacific coast, (34) 152.	roadside in North Carolina (30) 945
Pacific coast, (34) 152.	root disease affecting, (27) 445.
Pennsylvania, treatise, (33) 49. Philippines, descriptions, (28) 343.	root disease affecting, (27) 445. sap ascent in, (29) 524; (33) 827; (34) 727. sap discharged by, (35) 648.
Porto Itico, (36) 243. Queensland, (38) 247.	Sap of, composition, (35) 822.
Queensland, (38) 247.	second growth phenomena, (28) 340; (30) 646.
Sao Paulo forests, (39) 351. Southern Circle of Central Provinces, (32)	secondary, seeding experiments, (33) 844. seed, for referesting cut-over areas, (33) 739.
144.	shade—
Texas, (34) 640. United States, treatise, (33) 437; (37) 346.	acclimatization, (34) 231. and ornamental, diseases, (40) 645.
United States, treatise, (33) 437; (37) 346.	and ornamental, diseases, (40) 645.
western Morocco, (26) 643.	and ornamental, varieties, (38) 842.
Vermont, (36) 539. western Morocco, (20) 643. Wyoming, (38) 255. oll injuries to, (36) 856.	and ornamental, protection, (26) 339. and ornamental, varieties, (38) 842. anthracnose of, (38) 249.
oil injuries to, (36) 856.	care, (31) 536.
ornamental— adaptation tests, (29) 41.	course of study, (39) 798; (40) 96.
at Belle Fourche Experiment Farm, (33)	diseases of, (26) 57; (30) 151.
837.	oulture, (32) 839. diseases of, (26) 57; (30) 151. dying, (28) 345.
hlooming dates (34) 144. (30) 745	for Kansas, (28) 643. for Maine, (35) 840.
breeding experiments, (29) 235; (33) 735. causes affecting growth, (33) 49.	for Oregon. (39) 241.
culture, (29) 148.	for Oregon, (39) 241. in Newark, New Jersey, (31) 744.
culture experiments, (29) 235; (32) 437; (33)	insects affecting, (27) 346, 452, 645, 658; (28)
236, 735.	in Newark, New Jersey, 3(3) 744. insects affecting, (27) 346, 452, 645, 658; (28) 57; (30) 454; (33) 153; (34) 250, 651; (35) 356, 756; (38) 257, 357; (39) 561, 863; (40) 161, 163, 259, 352.
diseases of. (30) 746	163, 259, 352.
description, (35) 450. diseases of, (30) 746. for Kansas, (31) 537.	THRIBERING (90) GAT.
for uniavorable city conditions, (33) 442.	planting and care, (21) 045; (32) 341; (39)
for windbreaks, (37) 147.	450.

```
Trees-Continued.
                                                                                                                                                                                                                                            Trialeurodes vaporatiorum, see Alevrodes tabaci.
              shade—continued.
pruning, (35) 840.
spraying, (26) 48.
varieties, (34) 231.
                                                                                                                                                                                                                                           Triammonium citrate, manufact i'e and analyses.
                                                                                                                                                                                                                                           (32) 205.
Triaspis—
                                                                                                                                                                                                                                                           spp., notes, (27) 864.
vestiticida n.sp., description, (29) 563.
               silver leaf disease, (39) 553.
snow cracks on, (36) 733.
snow injury to, (36) 448.
stand in relation to soil moisture, (33) 816.
                                                                                                                                                                                                                                           Triatonn
                                                                                                                                                                                                                                                            geniculatus, relation to mal de caderas. (30)
                standing-
                                                                                                                                                                                                                                                            infestans, relation to mal do caderas, (31) 82.
               determination of form, (27) 646. volume and value accretion, (27) 245. stem analyses, (31) 341. stem analysis for growth studies, (38) 46.
                                                                                                                                                                                                                                           Tribohum-
                                                                                                                                                                                                                                                            cast meum, studies, (38) 356; (40) 855.
                                                                                                                                                                                                                                          confusum, remedies, (27) 366; (49) 856.
confusum, remedies, (27) 258.
forruginoum, notes, (34) 754.
navale, notes, (30) 655.
spp. in mills and warehouses, (39) 464.
spp., notes, (26) 463.
Tribronal bicolor, character and habits, (35) 730.
                street-
               and park, for Wisconsin, (37) 145.
of New York City, (34) 345.
planting, (33) 143.
roadside, and farm, (40) 447.
selection, planting, and care, (27) 541.
study of in primary grades, (28) 897.
tanun content and starch formation in, (27)
                                                                                                                                                                                                                                            Tribulus-
                                                                                                                                                                                                                                                            spp., analyses and digestibility, (27) 871.
terrestris, analyses, (33) 466.
terrestris, analyses and digestibility, (32) 167
              $28.

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                                                                                                                                                                                                                                           Tricalcium -
                                                                                                                                                                                                                                                            arsenate, studies, (39) 310.
carbonate as affected by calcium carbonate, (26)
                                                                                                                                                                                                                                          527.
phosphate—
determination, (32) 409.
fertilizing value, (36) 626.
for infants, (32) 887.
formation in mixed fertilizers, (34) 26.
solubility, (39) 23.
Tricella acuminata n.g. and n.sp., description, (27)
                                                                                                                                                                                                                                            Trichina-
                                                                                                                                                                                                                                                            biology, (34) 83.
encysted forms, in polar boar, (37) 483.
inspection, guide, (28) 482.
larvae in cerebrospinal fluid, (34) 881.
                                                                                                                                                                                                                                             Trichinae
                                                                                                                                                                                                                                           destruction by cold, (36) 680.
detection in pigs, (26) 485.
in pork in relation to sale warranty, (36) 662.
intestinal, studies, (40) 476.
transmission, (39) 685.
Trichinella spiralis—
                  volume
                                  and length measurements, (32) 543.
                  and length measurements, (32) 240. determination, (33) 843. tables for, (27) 348; (34) 641, 743; (35) 748. tables, frustum form factors in, (31) 640. water conductivity of wood, (40) 821. water table as factor in distribution, (30) 223.
                                                                                                                                                                                                                                           Trichinella spiralis—
as affected by cold storage, (31) 350.
as affected by radium, (37) 578.
larvae as affected by cold, (30) 881.
larvae as affected by refrigeration, (34) 680.
life history, (37) 578.
notes, (26) 84.
studies, (34) 83.
Trichiniasis—
diagnosis, (26) 84.
roview of literature, (34) 478.
X-ray appearances, (39) 589.
Trichinosis—
                   winter-
                winter—
and frost injuries, (29) 851.
identification, (26) 442.
injuries, (31) 49.
winterkilling, (27) 548.
wood-destroying fungi on, (39) 255.
wood-do, of China and Japan, (30) 46.
young, harmful effect of grass and weeds on, (33)
  Trefoil-
Trefoil—
as green manure, (40) 24.
bird's-foot, liming experiments, (40) 322.
pollination experiments, (37) 735.
rate of seeding tests, (27) 836.
seed, germination energy of, (29) 538.
seed, vitality, (27) 740.
varieties, (27) 836.
yellow, culture, (30) 335.
Trehalose, acetates of, (34) 408.
Trematode—
larya encysted in a crob (37) 558.
                                                                                                                                                                                                                                           Trichinosis—
immunization, (37) 784.
in Denmark, (38) 787.
in dogs and cats, (29) 83.
in United States, (34) 276.
notes, (30) 685.
serum diagnosis, (26) 281.
serum therapy in, (40) 184.
studies, (28) 79; (30) 181.
Trichiocompus viminalis, notes, (30) 655.
Trichiosoma tibialis, notes, (30) 657.
Trichlorethyleno—
as a soy-bean oil extractor, (36) 580.
use in determination of fat, (28) 507.
Trichloris texana—
                                                                                                                                                                                                                                             Trichinosi
                  larva encysted in a crab, (37) 558, parasite of mosquitoes, (38) 562; (39) 660.
  Trematodes-
Trematodes—
injurious to horses, (26) 384,
injurious to muskrats, (29) 484,
larval, from fresh-water snails, (39) 556,
of Australia, (32) 399; (33) 383,
of Australia birds, (39) 556,
of North America, (33) 863,
parasitic in equines, (27) 583.
Trematopygus eriocampoididis n.sp., description,
(34) 383
                                                                                                                                                                                                                                            Trichobaris texana—destruction by white fungus, (26) 454.
n.sp., description, (36) 556.
Trichocophalus—
                                                                                                                                                                                                                                                             affinis, destructive to deer, (26) 653, depressiusculus, embryology, (30) 555, trichiurus—
          (34) 363.
                                                                                                                                                                                                                                            dissemination by flies, (30) 659.
relation to appendicitis, (26) 678.
transmission by flies, (38) 563.
Trichochrous (Pristoscolis) texanus, notes, (28) 451.
Trichodectes—
 Trembles in sheep, etiology, (33) 279,
Trembling or louping ill in sheep, studies, (29) 681:
  (36) 83.
Tremella fuciformis, culture in Japan, (35) 347.
diarrhea, carriers, (40) 884.
fever, studies, (39) 658; (40) 550.
Tranching machinery, description, (34) 583.
Traponema pallidum, studies, (27) 551.
$-Triacetylmethylxylosid, notes, (34) 408.
Triaenodes bicolor, notes, (37) 847.
                                                                                                                                                                                                                                                              hermsi-
                                                                                                                                                                                                                                                             nerms:—
n.sp., description, (34) 274.
n.sp., notes, (35) 255.
notes, (34) 552.
scalaris, control, (40) 652.
sphaerocophalus, notes, (32) 377.
spp., biology and remedies, (38) 184.
```

Maichedowns -	I Deitaliene
Trichoderma— ammonifying power, (32) 29.	Trifolium— alexandrinum—
koningi—	culture in Hawaii, (32) 730.
notes, (30) 150.	description and use, (30) 733.
on apple roots, (36) 351. on rubber, (32) 347.	notes, (29) 140. angulatum, notes, (30) 440.
relation to sweet potato ring rot. (26) 748.	ash constituents of, (30) 334.
studies, (34) 156; (40) 347. Ilgnorum, notes, (28) 246.	fragiferum— culture experiments, (30) 632.
lignorum, studies, (34) 226.	introduction into Victoria, (26) 833.
sp., relation to apple rot, (33) 348. spp. on conifer seedlings, (40) 545.	lupinaster— culture experiments, (32) 36; (36) 436.
Trichogramma-	tests, (33) 632.
evanescens, development, (37) 856; (39) 265. evanescens, studies, (40) 265.	parviflorum, notes, (30) 440. perenne, notes, (30) 434.
japonicum, notes, (26) 63.	pratense perenne, notes, (31) 134.
minutum—	repens as an adulterant of white clover seed, (26) 40.
notes, (29) 53, 658; (31) 752. parasitic on alfalfa caterpillar, (32) 58.	resupinatum as a forage crop, (38) 230.
parasitism, (33) 353. studies, (37) 460, 569; (39) 265.	spp., comparative morphology, (31) 624. studies, (29) 522.
pretiosa—see also Trichogramma minutum and	Triglyphothrix striatidens in United States, (36)
Pentarthron minutum.	859.
notes, (27) 356. parasitic on bud moth, (34) 250.	Trigona clypeata, notes, (27) 865. Trigonella foenum-graecum—
sp., life history and habits, (30) 256.	as green manure, (39) 31.
spp., notes, (30) 759. spp., parasitic on codling moth, (34) 358.	culture experiments, (30) 228. Trigonellin, occurrence in—
spp., learing experiments, (38) 164.	stachys tubers and citrus leaves, (26) 107.
Trichogrammatidae of Australia, (28) 563; (39) 154. Trichogrammatoidea signiphoroides n.sp., descrip-	sugar beets, (28) 810. Trigonoderus spp. of North America, (38) 768.
tion, (31) 355.	Tribeptadecylene, studies, (30) 110,
Trichogrammatomyla tortricis n.g. and n.sp.,	Triketohydrindene hydrate, use for detection of
description, (36) 260. Trichogramminae, European, synopsis, (35) 661.	Trikefohydrindene hydrate, use for detection of protein, (26) 804; (33) 207. Trimagnesium phosphate, fertilizing value, (36) 626.
Tricholaena ·	Trimeromicrus maculatus n.g. and n.sp., description, (35) 262.
rosea, analyses, (31) 863. rosea, notes, (26) 362.	Trimethylamin—
SDD., analyses and divestibility, (32) 101.	assimilation by plants, (26) 32.
teneri ffae, analyses, (27) 68; (28) 463. Tricholoma—	in dried herring roe, (29) 863. in urine, (32) 764.
nudum, variations in, (32) 822.	isolation from soils, (28) 418.
personatum, prevalence in South Africa, (29)	Trinitrotoluene waste, utilization, (29) 319. Triodontophorus spp.—
Tricholyga sorbillans, notes, (27) 865.	anatomy and biology, (28) 887.
Trichomagdalis n.g. and n.spp., notes, (30) 357. Trichomalus apanteloctenus n.sp., description, (26)	notes, (39) 686. Trionymus—
63.	n.spp., description, (40) 262.
Trichomonas—	violascens n.sp., description, (29) 255. Trioxys auctus, notes, (31) 757.
intestinalis, studies, (40) 186. notes, (26) 246.	Trioza—
pullorum, notes, (37) 785.	alacris— notes, (37) 157, 849.
Trichomoniasis— in chicks, (37) 784.	occurrence in California, (28) 859.
in chicks, (37) 784. intestinal, (37) 183. intestinal, tissue-infection in, (36) 781.	studies, (39) 360. tripunctata, notes, (28) 752.
Trichomyia urbica, biology, (32) 59.	Triozinae, notes, (26) 149.
Trichomyia urbica, biology, (32) 59. Trichoniscus roscus, notes, (31) 758.	Tripe, preparation, (28) 860; (35) 317. Triphenin, periodids of, (34) 502.
Trichophyton felinoum, notes, (28) 783. Trichopria capensis, parasitic on fruit files, (31) 456.	Triphleps-
Trichosontoria fructigens	insidiosus— notes (28) 250: (32) 654
notes, (27) 449; (20) 247; (30) 647; (38) 647. on quince and apple, (34) 54.	notes, (28) 250; (32) 654. parasitic on red spider, (32) 157.
Trichosiphum n.spp., description, (38) 857.	relation to corn-ear rot, (36) 55. tristicolor, (29) 261.
Trichosoma strumosum, notes, (31) 287. Trichosomum meléagris gallopavo n.sp., notes, (28)	Triposporium tenue n.sp., description, (36) 245.
83	Tripotassium nitrophenoldisulphonate, prepara- tion, (26) 110.
Trichosphaeria sacchari, notes, (26) 445; (36) 846;	Tripsaeum-
(40) 157. Trichostibas parvula, notes, (31) 752.	and Euchiaena, hybrid between, (36) 27, 28. dactyloides, analyses, (27) 68.
Trichostrongylus—	dectyloides as host of curlew bug, (27) 162.
extenuatus, notes, (28) 481. n.spp., descriptions, (29) 555.	dectyloides as host of curiew bug, (27) 162. Trumphis ramosussima, analyses and digestibility,
spp. parasitic in man, (36) 577. Trichothecium sp., notes, (27) 45.	(32) 167. Trirhubda—
Trichothrips nigricans, notes, (21) 100.	brevicollis, notes, (31) 751; (33) 59. canadensis, notes, (35) 656.
Trichotoxon heynemanni, notes, (29) 800.	Trissolcus trinidadensis n.sp., description, (31) 554.
Trichuris— crenata, notes, (37) 779.	Tristania conferta, strength and elasticity tests,
ania in Dhilinninas (27) 277	(27) 43. Trithiobenzaldehyde, isolation from soils, (28) 418.
spp., physiological investigations, (31) 679. (Trichocephalus) trichiurus, dissemination by	Triticum—
illes, (30) 659.	and Aegllops, hybrids between, (30) 341.
Tricolepsis sp., notes, (85) 364.	dicoccum dicoccoides, notes, (28) 761. elohoni, inheritance in, (40) 525.
Tricresol— as a serum preservative, (33) 230.	monococcum, origin, (30) 531. polonicum, inheritance in, (40) 140, 523.
as a soil sterilizer, (26) 322.	polonicum, inheritance in, (40) 140, 525. spp., chromosome numbers in, (27) 636.
toxicity, (38) 288. Tridens flavus—	spp., relationship, (26) 827,
cyanogen in. (33) 665.	vulgare and T. monococcum, cross between, (30) 140.
hydrocyanic acid in, (35) 413.	(00) 1201

W-thorn flows makes (90) 454: (24) 900	Thurmont successor
Tritoxa flexa. notes. (29) 454; (31) 360. Triumfetta semitriloba, description, (28) 829; (30) 35.	Trumpet creeper— loaf miner, notes, (27) 347.
Trocarocephalus strangulatus, notes, (29) 858.	loaf miner, notes, (27) 347. notes, (27) 346.
Trogoderm i tarsale—	ityosinase, activity in discased potatoes, (26) 548.
larvae of, (38) 467.	Trypaublue, use against—
life history and habits, (29) 55.	bovine pirophasmosis, (32) 273, 682.
Trollius caucasieus, carotinoid content, (31) 803. Trombidiasis—	eanine piroplasmosis, (26) 882. equine biliary fever, (32) 278.
in goats, (31) 480.	infectious anemia, (26) 483.
of man and domestic animals, (31) 281.	Texas fever, (26) 382; (29) 658,
Trombidlidae, synopsis, (27) 565.	tuberculosis, (33) 481. Trypaneidae, Ethiopian genera, (39) 362, 167.
Trombidium—sec also Chiggers.	Trypaneidae, Ethiopian genera, (39) 362, 167.
akamushi, studies, (40) 554. holosericeum, remedies, (34) 682.	Trypanoplasma, notes, (26) 246. Trypanosoma—
sp., notes, (33) 354.	americanum, studies, (27) 82; (29) 080; (30) 882.
Tropacolum, inheritance in, (36) 729	americanum, studies, (27) 82; (29) 680; (30) 882. boylei n.sp., notes, (27) 555.
Tropical—	brucei, iiio cycle, (36) 366.
diseases, manual, (32) 177. modicine and hygiene, treatise, (35) 379.	congolense infection in swine, (38) 485.
Tropidia quadrata, notes, (36) 460.	eruzi, transmission by Reduviidae, (30) 853, eruzi, transmission by Rhipicephalus sanguin-
Tropidobracon meromyzae n.sp., description, (31)	eus, (31) 150.
355.	equinum, transmission by Chrysops spp., (31)
Tropidocerca, development of eggs, (33) 681. Tropidopria conica, notes, (26) 251.	82.
Tropidosteptes cardinalis, notes, (35) 255.	in European Russia, (20) 479.
Tropin research, technique and methods, (26) 676.	infection in dogs, (38) 481, 485.
Tropinota turanica, biology, (31) 159.	morphology, (30) 282.
Tropins-	studies, (26) 88.
and opsonins, bacterial, notes, (32) 78.	treatment, (28) 478.
bacterial, determination in horse serum, (27) 182.	evansi— relation to flies (27) 58
Tropisms in lupine seedlings, (31) 325.	relation to flies, (27) 58. schizogony in, (28) 180.
Trout-	transmission by insects, (31) 777; (37) 180.
brook, poisoning by rose chafers, (35) 279.	transmission by lice, (28) 756.
brown, respiratory exchange in, (32) 505; (33)	franki, relation to T. théilorí, (26) 81. gallinarum, development in Glossina palpalis,
growth, variability, and correlation in, (28) 173.	(27) 787.
Trout-perch breeding in rice fields, (30) 676.	gamblense-
Truck crop—	development in ducks, (27) 787.
aphids, control, (40) 163.	development in ducks, (27) 787. development in Glossina palpalis, (26) 150.
diseases, (39) 304, 049.	relation to antelopes, (28) 80.
aphids, control, (40) 103. diseases, (39) 354, 649. diseases in Florida, (38) 48. diseases in Texas, (28) 645.	hippicum— infection of mules by (27) 82
ulsuases, notes, (26) 236; (32) 041; (38) 045.	investigations. (27) 480.
industry in Chiesa States, (31) 545.	lesions caused by, (26) 079.
insects in Louisiana, (40) 57.	infection of mules by, (27) 82. investigations, (27) 480. lesions caused by, (26) 679. notes, (27) 783; (28) 784.
organization in Monmouth Co., N. J., (39) 746.	reduction of virulence in, (26) 884, transmission by house flies, (26) 656, 884;
pests in Georgia, (35) 461. seed beds, steam sterilizing, (40) 135.	(27) 457.
Truck crops—	leporis-sylvaticus n.sp., description, (27) 81.
culture-	lewisi—
experiments, (36) 839. in Georgia, (34) 430. south Mississippi, (30) 639.	pathogenicity, (31) 82.
south Mississinni (20) 820	studies, (33) 159.
southern New Jersey, (35) 643.	n.spp., descriptions, (27) 82; (34) 480. rhodesiense—
West Virginia, (30) 40.	development in Glossina morsitans, (28)
on Yuma irrigation project, (29) 226.	255.
fertilizers for, treatise, (29) 837.	relation to game, (34) 187. simine n.sp., studies, (30) 79. spp., notes, (27) 783, 884.
insects affecting, (28) 156, 238, 854; (29) 853; (30) 853; (32) 753; (34) 851; (35) 461; (37) 157, 356, 459; (38) 157, 257, 459, 558.	SITURE 1.Sp., SECTION, (30) 79.
459; (38) 157, 257, 459, 558.	spp., occurrence in Gambia, (26) 486.
irrigation experiments, (33) 683.	spp., studies, (30) 80.
irrigation in Florida, (36) 784.	spp., transmission by Glossina spp., (26) 151.
marketing, (31) 804. marketing cooperatively, (30) 591.	spp., transmission by stable fly, (26) 150. theileri—
on Truckee-Carson project, (28) 839.	notes, (30) 782.
protection against frost, (26) 214; (33) 237.	of cattle in Panama, (39) 84.
spraying costs, (38) 558.	vespertitionis, nonpathogenicity for laboratory
trentise, (30) 639. varieties, (28) 533; (29) 540.	animals, (33) 552.
Truck-	Trypanosome— anaphylatoxin, studies, (27) 578.
farming, handbook, (27) 644.	disease of camels, notes, (26) 85.
farms in New Jersey, (40) 299.	disease of camels, notes, (26) 85. disease of horses, immunization, (28) 784.
farms, renting in southwestern New Jersey, (35) 892.	Clseases
	diagnosis, (27) 480, 783; (30) 580; (36) 578.
in Florida, treatise, (26) 237. North Carolina, (28) 339. gardens, automatic irrigation for, (28) 382. growers' cooperative organization in Virginia,	immunity to, (29) 379. immunization, (29) 380; (32) 81. in Anglo-Egyptian Sudan, (30) 679.
North Carolina, (28) 339.	in Anglo-Egyptian Sudan. (30) 679.
gardens, automatic irrigation for, (28) 382.	in German East Airica, (30) 781.
(27) 389.	studies, (30) 381.
marketing, cooperative, (40) 488.	transmission by game, (30) 781. treatise, (29) 77.
soils of Atlantic coast region, (29) 416	treatment, (31) 284.
Truckers' association in Maryland, (26) 791. Trucking—	ITOTO CONORDINATE PURPOSOCIATURE (OT) EEE
in Florida, treatise, (30) 442.	new, in cattle in Uruguay, (26) 584. of Vinchuca, studies, (34) 580.
Ohio and Kanawha River relleve (21) 44	Ol Vinchuca, studies, (34) 580. Trypanosomes—
Terns, (31) 439. Trucks, see Motor trucks. Truffle sausages, adulteration, (28) 258.	agglutination tests with (28) 282
Truffle sausages admits the (90) are	as affected by liver and serum. (30) 381: (32) 780.
TIGHES, CONSERVACION, (36) 615	concentrating in peripheral blood, (39) 84. dead, immunizing with, (32) 374.
Trumbull County experiment farm, (35) 94.	dead, immunizing with, (32) 374.
	development in invertebrate hosts, (32) 399.

Trypanosomes—Continued.	Tsetse flies—Continued
differentiation, (30) 580. East African, antigenic properties, (33) 282.	rôle in transmission of trypanosomes, (32) 350.
effect on best production in rabbits (20) 470	studies, (35) 466.
effect on heat production in rabbits, (29) 479. filterability, (34) 880.	canadensis, length of tracheids in, (33) 143.
immunity reactions with, (29) 176. in a cow in England, (28) 885.	heterophylla, notes, (27) 846.
in a cow in England, (28) 885.	Tsutsugamushi disease, carrier, (37) 858; (39) 870.
beef cattle, (28) 284. Canadian mammals, (27) 81; (31) 80.	Tuber-
cattle, studies, (26) 84.	diseases in Saxony, (32) 749. diseases, notes, (31) 539, 841.
game and domestic stock in northeastern	tonic, fungicidal value, (37) 447.
Rhodesia, (30) 683. German cattle, (30) 782.	Tubercle bacilli—
German cattle, (30) 782.	absorption in intestinal canal, (28) 882.
Glossina morsitans, (30) 781. healthy cattle, (28) 584.	acid-proofness in, (30) 782.
mammals, identification and classification,	action of certain products, (27) 681, action of gland extracts on, (38) 81.
(26) 84.	action of large doses, (28) 283.
Nyasaland, (30) 79, 80. Rhodesia, (27) 783.	anaphylaxis from, (30) 481.
Russia, (34) 187	antigens in cultures of, (31) 778.
Russia, (34) 187. Zululand, (29) 476. morphology, (28) 282; (30) 282.	as affected by— antiformin, (31) 881.
morphology, (28) 282; (30) 282,	extracts of rabbit lungs, (26) 484.
Hotes, (21) 181.	extracts of rabbit lungs, (26) 484. glycerol esters, (27) 681. Roentgen rays, (40) 887.
passage into milk, (34) 385. photomicrographs of, (29) 478.	Roentgen rays, (40) 887.
recovery from rat blood, (40) 85.	attenuated, prophylaxis with, (31) 583. avian, caseous degeneration, (26) 282.
transmission by—	avian, differentiation from other types, (3x) xi
insects, (27) 783.	avian, studies, (27) 686. behavior toward fat dyes, (30) 81. biological characteristics, (28) 282.
stable flies, (26) 150. tsetse flies, (32) 350.	behavior toward fat dyes, (30) 81.
Trypanosomiasis—	biology (30) 481: (31) 778
chemotherapy, (36) 679.	biology, (30) 481; (31) 778. bovine, in children ,(29) 382; (32) 477. bovine, in man, (29) 382.
equine, in Morocco, (38) 184.	bovine, in man, (29) 382.
experimental, studies, (38) 484, 485.	bovine, viability, (29) 381. branched forms, (30) 782.
immunization, (32) 181. in guinea pigs, treatment, (34) 276.	carbon dioxid requirements, (38) 588.
horses, diagnosis, (34) 385.	caseation of tissues by, (33) 480.
horses in Morocco, (40) 784.	change of type, (28) 283.
swine, (38) 485.	change of type, (28) 283. chemistry of, (30) 182. composition, (27) 286.
relation to dipping, (34) 186. resistance of goats and sheep to, (26) 84.	cultural and pathogenic properties, (26) 884.
studies, (34) 576.	culture, Koch's, lesions produced by, (26) 178.
transmission by flies, (87) 879.	destruction by chemicals, (33) 481, 482. destruction by electricity, (35) 176, 378.
transmission by files, (37) 879. treatment, (29) 476, 676; (35) 379; (40) 583, 781. Trypanred, use against tuberculosis, (33) 481.	destruction by electricity, (35) 176, 378. destruction in milk, (33) 78.
Trypetu—	detection, (26) 85, 284; (29) 583.
ludens, see Anastropha ludens.	detection in-
musae, notes, (27) 54.	blood, (29) 480; (30) 683; (32) 878. dust, (32) 181.
(Nyennis) scutellaris, notes, (36) 657. Trypetidae, trapping, (40) 169.	excreta of bovines, (29) 383, 384.
Trypodendron quercus, notes, (31) 61.	milk, (31) 584.
Trypopremnon—	pleural fluids. (28) 377.
latithorax—	urine, (32) 878. determination in sputum, (37) 180. determination of viability, (33) 877.
n.g. and n.sp., description, (30) 459. notes, (38) 864.	determination of viability, (33) 877.
sanfordi n.sp., description, (38) 864.	dissemination by caute, (31) 84.
Tryposnfrol—	dissolution in tubercular organism, (28) 283.
effect on guinea pigs and dogs, (34) 276. use against foot-and-mouth disease, (31) 282.	dried, virulence, (35) 883. effect of daylight and drying on, (34) 880.
Trypsin—	effect on fats, (27) 783.
action as affected by stimulants, (26) 159.	effect on phosphatids of rabbits' organs, (28)
and pensin, reaction between, (31) 609.	377.
definition, (32) 711.	elimination in milk of tuberculous women, (27) 480; (28) 283.
destruction by pensin and acid, (38) 664. digestive power, (31) 880.	elimination with the bile. (30) 483, 581.
generation from trypsinogen, (29) 002.	enzyms of, (37) 275; (38) 887. excretion into milk, (26) 777, 884; (29) 583.
hydrolysis of casoin by, (29) 202.	excretion into milk, (26) 777, 884; (29) 588.
in letaves (31) 409	fate outside the animal body, (29) 77. ferment-inhibiting substances in, (32) 274.
in eggs, (28) 64. in latexes, (31) 409. notes, (40) 408.	formation of protein and mucin by, (31) 284. from bovines, examination, (26) 281. Gosio's vital reaction for, (31) 880.
Droperhes, (32) 558.	from bovines, examination, (26) 281.
protein cleavage by, (36) 108. solutions, determining relative activity, (28) 18.	Gosio's Vital reaction for, (31) 350.
Trypsinger properties (32) 858.	granulated, detection, (31) 777. granulated, staining, (31) 777.
Trypsinogen, properties, (32) 858. Tryptic proteolysis as affected by heat, (31) 107.	growth as affected by anilin dyes, (37) 481.
Tryptopnan—	growth in arsenic solutions, (35) 281.
determination, (28) 411. determination in proteins, (34) 505.	human and bovine— differentiation (26) 582, 783; (27) 480; (29)
effect on growth, (35) 268.	differentiation, (26) 582, 783; (27) 480; (29) 382; (30) 283; (32) 181; (38) 285.
effect on putritive value of diet. (36) 265.	double infection with, (31) 580.
extraction from products of tryptic digestion of	effect of daylight and drying on, (33) 282.
caseinogen, (40) 611.	investigations. (26) 281.
in yeast protein, (36) 501. indispensability for maintenance, (31) 559.	relationship, (27) 579, 783, 784, 884, 885.
rôle in purin metabolism, (37) 265.	relative importance, (26) 178, 680.
Tryptoprotesses, detection, (33) 414.	effect of daylight and drying on, (88) 282. in children, (28) 285; (32) 878. investigations, (26) 281. relationship, (27) 579, 783, 784, 884, 885. relative importance, (26) 178, 680. separation, (31) 580, 778, 681. human, in milk of vaccinated cows, (29) 583. human, metabolism of, (33) 769.
(Tryptus) Microcryptus osculatus, notes, (38) 565. Trysacum dactyloides, analyses, (27) 469.	human, metabolism of, (33) 769.
Tsetse flies—see also Glossina spp.	human, metabolism of, (33) 769. human type, in cattle, (34) 581. hydrolysis, (28) 585.
biology, (32) 350, 847.	nydrolysis, (28) 580.

```
Tubercle bacilli—Continued.
identifying, (38) 485.
immunizing tests on guinea pigs, (34) 82.
in apparently nontuberculous animals, (34) 277.
bile of tuberculous animals, (20) 582; (31) 451
blood of bovines, (33) 84.
blood stream of tuberculous subjects, (28)
                                                                                                                                                                                                                                                  Tuberculin-
                                                                                                                                                                                                                                                                   activator for, (27) 885.
                                                                                                                                                                                                                                                                 activator for, (27) 885.
anaphylaxis, notes, (27) 381.
aqueous, precipitation, (28) 85.
avian, diagnostic value, (26) 880.
Besredka, diagnostic value, (33) 283.
chemistry of, (30) 182.
composition, (31) 285.
dolayed reactions following injection, (34) 187.
diagnostic value, (26) 486, 676; (35) 575.
distribution, (28) 476.
                            283.
butter, (31) 576; (37) 481.
cuttfled milk, (37) 881.
cheese, (28) 278.
circulating blood, (26) 281; (27) 480; (30)
283, 581, 683, 783; (31) 83; (32) 470.
dairy products, (28) 372.
Edinburgh milk supply, (32) 674.
feces, blood, and milk of cows, (32) 376,
feces of dairy cattle, (37) 879.
healthy udder tissue of cows, (31) 777.
market milk, (31) 674.
milk, (30) 278, 573.
milk and lymphatac glands of bovines, (26)
281.
                                                                                                                                                                                                                                                                   effect on-
                                                                                                                                                                                                                                                                  autolysis, (27) 183.
nontubercular guinea pigs, (29) 480.
the healthy organism, (31) 182.
from different jubercle bacilli, tests, (31) 482.
                                                                                                                                                                                                                                                                  Hochst's new, tests, (20) 180.
hypersensitiveness to, (30) 283; (31) 482, in diagnosis and treatment, manual, (30) 284,
                                                                                                                                                                                                                                                                           382.
                                                                                                                                                                                                                                                                  reaction
                                                                                                                                                                                                                                                                                   analyses, (32) 870.
conjunctival, diagnostic value, (35) 384.
diagnostic value, (26) 180.
                               milk and milk products, (27) 878.
                              nontuberculous respiratory passages, (33) 678. sputum, (29) 382, 582; (30) 482; (36) 383; (38)
                                                                                                                                                                                                                                                                 in bovines, studies, (27) 481.
pigs, (33) 877.
studies, (35) 883.
retests with, (29) 885.
                               sputum and other body fluids, (36) 680.
                               street dust, (38) 885.
uncooked food, (26) 880.
                   uncooked food, (20) 880.
whey, resistance to heat, (26) 779.
indicators for, (40) 584.
inhalation of, (26) 179.
intraperitoneal lysis of, (31) 778.
isolation and cultivation, (35) 783.
isolation and preparation from diseased organs, (29) 381.
lipase of, (29) 177.
lipoid-free, immunizing tests with, (29) 782.
longevity in milk, (37) 378.
longevity outside animal body, (38) 81.
mammalian, fate of in sparrows and chickens, (36) 81.
                                                                                                                                                                                                                                                                  test-
                                                                                                                                                                                                                                                                                  and retest, (38) 380.
application, (38) 179.
avian, value, (36) 480.
certificates for cuttle exhibits, (38) 179.
combined and follow-up systems, (36) 383.
description, (28) 81
                                                                                                                                                                                                                                                                                  description, (38) 81.
effect on milk yield, (39) 288.
for chickens, (27) 181.
East Indian buffaloes, (26) 378.
                                                                                                                                                                                                                                                                             Fast Indian fuffuloes, (26) 378. fowls, (31) 582. guinea pigs, (39) 288. guinea pigs, (39) 288. guinea pigs and rabbits, (33) 253. imported cattie in Germany, (26) 282. in certified dairies, (34) 880. Hawaii, (31) 177. North Carolina, (29) 383. Wisconsin, (32) 275. intradermal, application to eyelid, (32) 477. intradermal, application to eyelid, (32) 477. intradermal, and intradermic palpebral, (32) 780. intradermal, studies, (34) 385. investigations, (26) 782; (36) 576. limitations, (26) 783; (30) 676. new methods, (27) 77. notes, (26) 583; (27) 381, 576; (29) 79, 886; (30) 180, 482; (34) 274; (36) 378, 474. nullifying, (28) 283. paper on, (29) 490. reliability, (20) 178, 179. studies, (33) 387; (34) 278. subcutaneous, diagnostic value, (26) 283. technique, (38) 182. thermal, diagnostic value, (20) 379. value and uso, (27) 83. ta—and post-mortem findings, studies, (26) 282.
                                                                                                                                                                                                                                                                                                 fowls, (31) 582.
                    (36) 81.
microscopical detection, (33) 387.
modification by passage through animals, (26)
                   886, new culture medium for, (29) 380; (36) 383, nutrition with mineral substances, (29) 381, of swine tuberculosis, (27) 287, passage through the skin, (27) 183, permeability for fat soluble dyes, (29) 177, permeability of ultramicroscopic forms, (28)
                   potentiometer test, (38) 284.
reactions to sperm oil and its constituents, (35)
               reactions to sporm oil and its constituent 784.
resistance of animals toward, (27) 381.
resistance to heat, (20) 582; (35) 487.
retention in lymphatic glands, (30) 483.
sensitiveness to acids, (38) 80.
spores, studies, (20) 582.
stability in living animals, (20) 885.
stability in living animals, (20) 885.
stability in living animals, (20) 885.
staining, (26) 379, 887; (39) 82.
staining with car bol fuchsin, (37) 180.
studies, (33) 178.
thermal death polnt, (38) 474, 877.
tissue reactions, (38) 485.
types, (23) 780; (33) 85; (34) 575; (38) 588.
virulence, (38) 380.
virulence of different types, (32) 677.
vitality of, (29) 178.
vitality outside the body, (37) 782.
berclam
                          784.
                                                                                                                                                                                                                                                                tests-
                                                                                                                                                                                                                                              tests—
and post-morton findings, studies, (26) 282.
comparison, (29) 583.
notes, (30) 679.
potency, (40) 680.
therspeutic value, (32) 182, 183.
turtle, use against tuberculosis, (30) 284.
use, (34) 679.
Tuberculina—
maxima—
                                                                                                                                                                                                                                             maxima—
studies, (34) 750.
use against pine blister rust, (31) 50.
nomurianan.sp., description, (35) 348.
sp. attacking Cronartium, (38) 253.
Tuberculinization, historical survey, (39) 890.
Tuberculinum purmum, use against tuberculosis, (26) 284.
  Tubercle-
                 bacteria of legumes, studies, (20) 824.
endotoxin, effect on opsonins in healthy rabbits,
(26) 180.
(26) 180.
war, antigenic properties, (35) 883.
Tubercles—
of fowls, fat content, (28) 785.
permeability for—
fat-soluble dyes, (29) 177.
iodin compounds and proteins, (28) 584.
vital staining of, (30) 80.
Tubercular—
                                                                                                                                                                                                                                               Tuberculo-protein, hypersensitiveness to, (26) 181, 182; (30) 283.
                                                                                                                                                                                                                                                Tuberculosan
                                                                                                                                                                                                                                              notes, (29) 886; (31) 882,
tests, (26) 680, 681; (29) 384.
Tuberculosis—
  Tribercular—
infection, defense of organism against, (35) 784.
processes, determination of age, (29) 381.
septum, nasal, in bovines, (27) 184.
Tubercularia coccicola n.sp., description, (39) 52.
Tuberculides in bovines, (32) 181.
                                                                                                                                                                                                                                                               active and inactive in bovines, differentiation, (29) 583.
```

and blastomycosis, (39) 187.

Tuberculosis—Continued.	Tuberculosis—Continued.
and our livestock industry, (40) 681.	caused by inhalation, (30) 381; (32) 181, 274.
and pearl disease, (30) 582. antigen for, (29) 583; (38) 786.	causes of, treatise, (39) 890.
antigen for complement fixation, (36) 81.	chemotherapy, (29) 481; (36) 278, 279; (37) 379.
as affected by organ extracts, (26) 484.	complement fixation in, (28) 885; (39) 82; (40) 481, 886, 887
atypical, in slaughtered animals, (20) 882.	complement-fixing antibodies in, (31) 882; (32)
avian— and mammal, relationship, (26) 178.	181.
blood picture in, (20) 285.	control, (39) 288, 390, 582, 679, 862; (40) 380, 577, 681, 778.
diagnosis, (30) 381; (34) 880; (36) 480.	control by milk commissions, (38) 381.
etiology and control, (33) 389.	control in—
growth and virulence of causative organisms, (30) 482.	Belgium, (26) 378. England, (36) 275. France, (27) 885.
immunization, (36) 881.	France (27) 885
in mammals, (26) 583. in pigs, (33) 282, 283; (34) 277.	Germany, (27) 784.
in pigs, (33) 282, 283; (34) 277.	Michigan, (37) 274.
in swinc, (40) 185. notes, (27) 181, 381; (29) 273; (32) 480, 585, 781;	Germany, (27) 784. Michigan, (37) 274. Norway, (33) 85 Oregon, (37) 374.
(35) 576, 786; (36) 179.	Pennsylvania. (37) 577.
studies, (27) 686; (28) 476, 883; (31) 581, 582	Pennsylvania, (37) 577. Sweden, (28) 781.
transmission to hogs, (31) 683. transmission to man, (31) 581.	Sweden, (28) 783. Wisconsun, (32) 275. cutaneous, in man, (28) 180. delayed or latent infection, (37) 378. diagnosis, (26) 85, 180, 181, 283, 284, 379, 578, 582, 783; (27) 450, 481, 580, 681, 784, 885; (28) 284, 377; (29) 285, 382, 583; (30) 482; (31) 181, 379, 481, 878, 880; (32) 179, 181, 183, 376, 878; (34) 81; (35) 575; (36) 181, 278, 676, 881; (40) 680; diagnosis—
biochemistry and chemotherapy, (28) 584; (29)	delayed or latent infection (37) 378
hiochemistry and chemotherapy, (28) 584; (29) 177; (30) 80; (33) 181, 182, 677, 877; (35) 181; (39)	diagnosis, (26) 85, 180, 181, 283, 284, 379, 578,
685.	582, 783; (27) 480, 481, 580, 681, 784, 885; (28)
blood transfusion in treatment, (40) 385. hovine, (39) 582, 679.	284, 377; (29) 285, 382, 583; (30) 482; (31) 181,
bovine	(34) 81; (35) 575; (36) 181, 278, 676, 881; (40) 680,
and porcine, virulence of apparently sound tissue in, (37) 583.	
tissue in, (37) 583. causes, (26) 178.	complement-fixation test, (37) 180, 481.
continuous temperature records, (36) 82.	intrapalpebral test, (36) 579, 779. of open cases, (38) 179.
control, (27) 286; (38) 687, 887.	disease resembling in guinea pigs, (89) 686.
bovine, control in—	effect on—
Colorado, (32) 581. dury herds, (38) 81.	chemical composition of the animal body, (35) 883.
Germany, (27) 482. Great Britain, (30) 382.	opsonins in healthy rabbits, (26) 180.
Grent Britain, (30) 382.	organs and tissues of rabbits, (28) 280.
Hawaii, (34) 477; (39) 679. Minnesota, (38) 282.	equine—
bovine—	description, (26) 282. investigations, (29) 385.
cualo (27) 83	notes, (38) 486.
detecting, (26) 583; (40) 782.	symtomatology, (29) 479. eradication, (27) 77, 382, 473, 482, 576; (31) 380.
diagnosis, (26) 484, 679; (27) 184, 286, 382, 482; (28) 380, 679; (29) 178, 885; (30) 883; (31) 379; (33) 387, 481; (35) 71; (36) 579; (37) 80;	676, 882.
379; (33) 387, 481; (35) 71; (36) 579; (37) 80;	eradication from cattle and swine, (38) 686.
(38) 887.	eradication from herds, (29) 500, 886.
early stages, (29) 286. eradication, (29) 78, 286, 287; (30) 273, 383; (32) 780; (33) 85; (37) 379; (38) 82, 380, 686.	experimental epidemiology in, (36) 81. fallacies in royal commission report, (28) 679.
(32) 780: (33) 85: (37) 379: (38) 82, 380, 686.	hemolytic reactions in, (26) 379.
	human and bovine—
immunization, (28) 180; (29) 384, 480, 499, 884; (30) 482; (31) 85, 779; (32) 679; (34) 185, 575, 581, 678; (38) 81. in Argentina, (40) 86. children, (34) 678; (37) 782. However, (37) 378. Hillings, (34) 185.	differentiation, (26) 281.
575, 581, 678; (38) 81.	method of infection, (26) 484. relation, (26) 886; (27) 381, 480, 784; (29) 479.
in Argentina, (40) 86.	relation, (26) 886; (27) 381, 480, 784; (29) 479, 884; (30) 882; (31) 182, 676; (35) 75, 181; (37) 80, 181.
children, (34) 678; (37) 782.	(37) 80, 181.
110Wall, (37) 374.	human— hone and joint, (37) 181.
Illinois, (34) 185.	bone and joint, (37) 181. bovine, and avian, relation, (31) 581. control, (29) 382. control in England, (31) 779.
Illinois, (34) 185. man, (37) 879.	control, (29) 382.
Queensland, (38) 182. the Punjab, (39) 491. increasing resistance to, (34) 478.	forms of, (26) 680.
increasing resistance to. (34) 478.	immunization, (29) 884.
infectiousness, (31) 284.	immunization, (29) 884. investigations, (26) 884.
intradermal test for, (34) 185.	transmission to bovines, (26) 378. types of bacilli in, (35) 576.
investigations, (26) \$87; (27) 82; (29) 178; (31) 881.	immune blood transfusion for, (40) 385.
nature and treatment, (28) 585.	immunity, review of investigations, (28) 180.
	immunity studies, (33) 480. immunity to, (26) 181.
notes, (27) 682, 885; (29) 79; (30) 381; (31) 80; (36) 81;	immunization. (26) 181, 284, 379, 380, 578, 584,
notes and treatment, (28) 679.	676, 680, 681; (27) 184, 383, 482, 682; (28) 180,
notes and treatment, (28) 679. nurse cow factor, (38) 179.	585, 680; (29) 79, 481, 584, 782, 886; (30) 582,
physical examination and clinical diagnosis,	782; (31) 380; (32) 182, 183, 275, 375; (33) 181. 284, 481, 878; (34) 274; (35) 883; (37) 880.
(34) 184. prevention, (29) 886.	immunization, review, (26) 85.
prevention, (20) 886. prophylaxis in, (26) 485. serous, (33) 282.	immunization, treatise, (36) 182
serous, (33) 282.	in a rat, (39) 390. animals, (30) 581.
spread among tarm aminus, (34) 075.	orece (24) 82
transmission by swine, (38) 684. transmission to man, (28) 375, 585, 780; (30) 382, 581; (31) 285, 779; (32) 271; (33) 85.	camels, (37) 690; (40) 86.
transmission to man, (28) 375, 585, 780; (30)	camels, treatment, (29) 676.
382, 581; (31) 285, 779; (32) 271; (33) 85. transmission to offspring, (33) 278.	cameis, treatment, (29) 676. carnivorous animals, (37) 880. cattle and swine, (39) 390. children and infants, (32) 878; (40) 584. children, types of bacilli in, (29) 286. dogs, (26) 88; (40) 782. dogs and cats, (35) 75. Feet Indian buffaloes, (26) 378.
trantica (98) 983 (80) 89 (38) 986	children and infants, (32) 878; (40) 584.
treatment, (29) 384; (32) 182.	children, types of Dacilli In, (29) 256.
canine and human, relation, (35) 181.	dogs and cats, (35) 75.
caseation in, (32) 274. cause and eradication, (29) 179.	East Indian buffaloes, (26) 378.

Tuberculosis—Continued.	Tuberculosis—Continued.
in England, (32) 271. equinos, (40) 778. farm animais, (32) 271; (38) 81. food animals, relation to public health, (31)	relation to—continued.
farm animals, (32) 271; (38) 81.	diot, (31) 461. fibrosis, (20) 179. Johno's disease, (29) 281. milk supply, (26) 275; (28) 276, 674; (30) 574;
food animals, relation to public health, (31)	Johno's disease, (29) 281.
182, goats, (26) 179; (27) 683; (30) 383; (37) 481. Great Britain, (34) 382. ground squirrels, (26) 484. horses, (27) 885; (28) 382; (34) 678; (37) 880. Indian cattle, (38) 285. insects, (31) 155.	(32) 472.
Great Britain, (34) 382.	review of literature, (29) 582.
ground squirreis, (20) 484. horses (27) 885: (28) 382: (34) 678: (37) 880.	serum diagnosis, (32) 179; (33) 283, serum, specific action of, (30) 183, 184.
Indian cattle, (38) 285.	serum test, (39) 80.
insects, (31) 155.	serum test, (39) 80. studies, (26) 181; (27) 285, 783; (34) 575. testing purebred herds for, (38) 286.
Normandy, (36) 182.	therapy of, (28) 284, 585.
insects, (31) 155. mesenteric lymph glands of pigs, (32) 181. Normandy, (36) 182. North Dakoka, (38) 180. Norway, (35) 181. nursing children, (20) 382. phensants, (34) 386; (36) 676. pigeons, (31) 881. pigs, (27) 684; (20) 79; (36) 779; (37) 82. pigs and fowls, relationship, (28) 884.	transmission
norway, (35) 181. nursing children, (20) 382.	by factory-infected candy, (34) 366. by house flies, (26) 61.
pheasants, (34) 386; (36) 676.	
pigeons, (31) 881.	from animal to man, (27) 579.
pigs and fowls, relationship, (28) 884. pigs, confusion with swine plague, (31) 683.	by mink, (30) 882. from animal 802. from nan to bovine, (26) 680. treatment, (26) 284, 578; (27) 378, 384, 480, 682, 888; (28) 679; (30) 181, 284, 683; (31) 583; (32) 182, 375, 880; (33) 677, 877; (37) 275, 880. treatment by transfusion of immune and normal blood, (40) 385. treatment with enzyms. (31) 607.
pigs, confusion with swine plague, (31) 683.	888; (28) 679; (30) 181, 284, 683; (31) 583; (32)
pigs, diagnosis, (30) 883. pigs, dissemination by fowls, (29) 479.	treatment by transfission of immune and nor-
pigs, dissemination by lowis, (25) 413. pigs, prevention, (26) 181. pigs, studies, (26) 884; (33) 384, 678; (35) 79, 785.	mal blood, (40) 385.
pigs, studies, (26) 884; (33) 384, 678; (35) 79,	treatment with enzyms, (31) 607. use of protein diet against, (31) 84.
	Tuberculous—
pigs, transmission to offspring, (33) 278.	antibodies, production in sound animals, (28)
pies, transmission to offspring, (33) 278. pies, transmission to offspring, (33) 278. pies, type of bacilli, (27) 287. poultry, (20) 486; (28) 382; (31) 79; (39) 791. poultry in Ontario, (38) 228. rabbits, diagnosis, (27) 579. rural communities, (33) 284. shen (40) 385.	585. antigens and antibodies, inhibition reaction of,
poultry in Ontario, (38) 288.	(31) 481
rural communities. (33) 284.	antigens, preparation, (20) 783, exerctions, exerction, exercises, exercises, exercises, (27) 885.
sheep, (40) 385. South American ox tongues, (31) 882.	antigens, preparation, (26) 783. excretions, examination, (27) 885. foci, old, virulence in bovines, (29) 479.
the college herd. (29) 885: (34) 187.	infection, immune reaction to, (37) 275. material, inhalation by cats, (30) 183.
the college herd, (29) 885; (34) 187. the university herd, (29) 78. United States, (37) 274.	sputum, chemical proporties, (20) 782.
United States, (37) 274.	tissue
urinary channels, diagnosis, (26) 485. infection of man by bovine bacillus, (26) 178.	as antigens in complement fixation reaction, (29) 285.
infection through expired air, (37) 378.	(29) 285. chemical changes in, (40) 584.
international control, (34) 575. investigations, (26) 885.	iodin in, (33) 283; (34) 580. Tubers—
investigations, (26) 885. laryngeal and tracheal, etiology, (29) 178.	atherized engraphic activities of (20) 700
laryngeal, in a cow, (26) 179. lectures on, (29) 884.	formation, (30) 20. hemicollulese in, (30) 130. sampling device for, (37) 711. starchy, analyses, (28) 359. translocation of mineral constituents, (34) 427.
localized infection, (38) 380. method of infection, (28) 173; (20) 884. milk-borne, control, (30) 82. modes and periods of infection, (35) 281; (38)	sampling device for, (37) 711.
milk-borne, control, (30) 82.	starchy, analyses, (28) 359.
modes and periods of infection, (35) 281; (38)	tubes, circular, stress unarysis of, (20) 090.
	Tufa cement, tests, (28) 580. Tule, fertilizing value, (38) 520.
"Much granules" in, (29) 178. new skin test for, (33) 283. notes, (20) 378, 881; (27) 286, 475; (29) 499; (31) 380; (37) 378, 477, 879; (40) 778, 880. of bones and joints, (38) 285.	Tule, formizing value, (88) 820.
notes, (26) 378, 881; (27) 286, 475; (29) 499; (31) 380; (37) 378, 477, 870; (40) 778, 880	Botrytis disease, (39) 858. bulbs as food, (32) 855.
of bones and joints, (38) 285.	bulbs, culture experiments, (30) 145.
central nervous system of bovines, (26) 887.	ediseases, notes, (27) 851.
central nervous system of bovines, (26) 887. cervical and axillary glands, (37) 378. lymphatic glands, (28) 882. lymphatic glands in children, (34) 677.	diseases, treatment, (35) 51. poplar, churacteristics and value, (37) 147.
lymphatic glands in children, (34) 677.	soft scale, notes, (27) 755.
mammary gland, diagnosis, (32) 376. mammary gland in a mare, (31) 683. muscles in man and domestic animals, (26)	tree, fortilizing value, (29) 215. tree scale, notes, (28) 554; (33) 58, 253.
muscles in man and domestic animals, (28)	trees, description, (27) 442.
379. retropharyngeal lymph glands, (31) 881.	Tulips—
seminal vesicles, vas deferens, and urethra in	as affected by stimulants, (26) 731. broaking sickness in, (35) 550.
cattle, (35) 882. the abomasus of boyines, (27) 286.	breaking sickness in, (35) 550. certificated by Royal Horticultural Society, (31)
the bladder, notes, (26) 484.	classification, (37) 836.
the abomasus of bovines, (27) 286, the bladder, notes, (26) 484. the brain in bovines, (26) 282; (31) 881, tonsils in a helfer, (31) 182. udder of bovines in Sweden, (31) 482. open, diagnosis, (33) 678; (36) 675. open, detection in bovines, (29) 384. open liver, in bovines and pigs, (30) 581, origin and development. (27) 579.	340. classification, (37) 836. culture experiments, (37) 836. fungus disease affecting, (26) 851. manual, (31) 48. studies, (39) 144, 653. Tulipwood, description, (27) 442. Tulucuna fat, detection, (29) 613. Tumalo irrigation project in Oregon, (34) 85.
udder of bovines in Sweden, (31) 482.	rungus disease affecting, (26) 851.
open, diagnosis, (33) 678; (36) 675.	studies, (39) 144, 653.
open liver, in bovines and pigs. (30) 581.	Tulipwood, description, (27) 442.
papers on, (27) 77. prevention, (27) 480.	Tumbleweed, water requirement, (32) 127.
prevention, (27) 480. primary pudic and vaginal, in bovines, (31) 481.	Tumbling mustard, eradication, (39) 744. Tumidiscapus—
problem in relation to meat inspection, (40) 577. production in guinea pigs, (35) 281.	new genus, description, (26) 152.
pulmonary—	oophagus n.sp., description, (38) 661. Tumor—
diagnosis, (27) 83, 382; (32) 181; (33) 181; (34) 581; (35) 180.	growth, control, (39) 666. hereditary, in Drosophila, (40) 860.
induced by inhalation, (30) 82.	hereditary, in Drosophila, (40) 860. immunity, notes, (38) 580.
infection, (39) 288. prognosis, (32) 879.	Tumors—
relation to—	chemistry of, (32) 78. diagnosis, dialysis method, (31) 877.
buffaloes' milk, (36) 573.	immunization, (33) 477. in domestic fowl, (34) 480.
cockroaches, (26) 347.	in domestic fowl, (34) 480.

Tumors—Continued. in man and plants, relationship, (34) 249, 845.	Turnips—Continued, black hearted, (33) 53.
malignant, origin of melanotic pigment in, (27) 468.	composition as affected by acid phosphate, (26) 527.
plant and animal, comparison, (29) 548. spontaneous, in chickens, (31) 485.	composition as affected by phosphorus in soils, (29) 417.
freatise, (31) 280. freatment, (29) 476.	cost of production, (32) 530; (33) 831. culture, (28) 42; (31) 35; (32) 337; (33) 238.
Tung tree, culture in United States, (30) 535. Tunus grass—	culture-
culture experiments, (38) 630, 831. culture in Alizona, (32) 226.	evperiments, (26) 329; (27) 33; (28) 531; (29) 138, 427; (32) 36, 132, 431; (33) 632, 330; (34) 34; (36) 32, 435, 436; (37) 733; (38) 132; (39) 124, 125; (40) 625, 735. for stock food, (33) 41. in Dutch East Indies, (30) 697. in South Dukota, (40) 32
culture in Hawan, (32) 729. culture in Philippines, (26) 361, 362.	132; (39) 124, 125; (40) 625, 735.
notes, (29) 233, 428. Tupelo, distillation value, (32) 48	in Dutch East Indies, (30) 697.
Turbidimeter, new, description, (31) 615. Turdus avnalaschkae pallasii, coccidiosis in, (26)	on moor soils. (39) 437: (40) 230, 523.
187. Turvenia juncoidea n.sp., description, (33) 545.	digestion coefficients, (39) 171.
Tu f—	effect on composition of milk, (29) 277. effect on following crop, (40) 624.
as bedding for cattle and horses, (37) 723. digestibility, (32) 862.	electroculture experiments, (40) 429. elongation of hypocotyl, (28) 39.
for golf courses, treatise, (37) 146. mail as filler for feeding stuffs, (30) 672.	factors affecting composition, (38) 432. fertilizer experiments, (26) 324, 330, 537, 631, 817;
properties, (31) 309.	fertilizer experiments, (26) 324, 330, 537, 631, 817; (27) 137, 334; (28) 632, 735; (29) 22, 120, 213, 227, 228; (30) 134, (31) 133, 829, (32) 431, 630, 630, 630, 630, 631, 631, 632, 632, 632, 633, 633, 634, 631, 632, 633, 633, 634, 634, 634, 634, 634, 634
synthesis, (31) 310. Turkey—	832; (33) 326, 831; (34) 519, 532, 632; (36) 427, 529, 626; (39) 427, 621, 735.
fat, constants, (27) 111. gnat, notes, (29) 454.	food value, (36) 863. for cattle, (37) 866.
Turkeys— (37) 573.	10r cows, (38) 477.
aberrant intestinal protozoan parasites, (35) 684 as egg producers, (27) 774. broeding and management, (33) 77. care and management, (34) 377; (39) 176. eating of alfalfa enterpillar by, (32) 58. https://doi.org/10.0016/j.	for sheep, (26) 299. growth on volcanic ash, (32) 36.
breeding and management, (33) 77.	heredity in, (31) 43. heredity of form and color in, (29) 332.
eating of alfalia caterpillar by, (32) 58.	insects affecting, (26) 553; (32) 735. irrigation experiments, (31) 732.
hatching and rearing artificially, (26) 95 management, (40) 177. protozoan organisms in rectal and cecal cer-	liming experiments, (31) 424; (40) 322. manurial value of tops, (39) 836.
tents, (26) 684.	mulching experiments, (38) 314. mulching v. clean culture, (33) 534.
tents, (26) 684. raising, (36) 384, 871. raising and marketing, (37) 573.	radioactive fertilizer for, (31) 129. relation between size of seed and yield, (26) 434.
raising with special reference to blackhead, (35) 284.	relative yielding capacity, (40) 625. resistance to club 100t, (33) 52.
serum proteins of, (32) 861. tick infesting, (33) 354.	root development with other crops, (26) 129. root-louse injury, (40) CO.
tick infesting, (33) 354. treatise, (26) 270; (31) 271. Turmeric Ical—	rotation experiments, (29) 227. selerotinia diseases, (40) 49.
disease, notes, (27) 747; (38) 548. spot, notes, (28) 241.	seed production, (33) 226.
Turnir aphis, notes, (37) 254.	secuing experiments, (29) 224, spraying, appuratus for, (39) 762. subsoiling experiments, (37) 732. sugar as fertilizer for, (27) 722. sulphur as fertilizer for, (28) 740; (30) 138. susceptibility to swede mildew, (34) 52. thinging experiments, (29) 432.
bacterial soft rot, description, (32) 148. cake, analyses, (26) 267, 363.	sugar as fertilizer for, (27) 722.
clubroot, notes, (32) 48. clubroot, treatment, (38) 646.	susceptibility to swede mildew, (34) 52.
finger-and-too disease—	varieties, (26) 331, 630, 631; (27) 32, 334, 637; (29)
prevention, (35) 522. freatment, (26) 342; (30) 848; (31) 424.	susceptibility to swede mildew, (34) 52. thinning experiments, (29) 422. varieties, (26) 331, 630, 631; (27) 32, 334, 637; (29) 222, 228, 530; (30) 228; (31) 133, 829; (32) 431, 532, 630; (33) 33, 34, 330, 831; (34) 855; (37) 228; (38) 133, 140, 432. varieties for more culture, (30) 438; (40) 230.
flavor in butter, (32) 270. flavor, removal from milk, (26) 673.	total for most contact, (60) 100, (10) -001
flea-boetle— notes, (29) 761.	varieties resistant to finger-and-toe disease, (30) 848.
reniedies, (32) 851; (33) 158. striped, in Maryland, (38) 154.	variety tests, (39) 336; (40) 735. water requirement, (32) 127.
gall weovil, notes, (35) 467.	weed control in fields of, (40) 536. yield as affected by planting distance, (34) 527.
flower boetle, notes, (27) 457. gull weovil, notes, (38) 407. leaf siluige, notes, (27) 669. loaf spot, studies, (37) 753.	yields, (40) 730. zebra caterpillar on, (39) 160.
louse, investigations, (34) 452. moth larvae injurious to tobacco, (31) 60.	Turpentine— adulteration, detection, (26) 611.
sawfly, notes, (38) 164. seed, germination as affected by turpentine	analyses, (30) 616. as a vermifuge, (38) 884.
and parafilin, (32) 851. seed in Denmark, (37) 742. seed, vitality, (27) 740.	detection in ethyl alcohol, (29) 312.
seed, vitality, (27) 740. shoots, use in salads, (40) 864.	effect on turnip seed, (32) 851. from Boswellia serrata, (40) 248.
shoots, use in salads, (40) 864. tops, dried v. ensiled, energy value, (32) 768. weed, notes, (34) 532.	from waste resinous woods, (28) 512. industry in—
Turnips— analyses, (27) 334, 469; (32) 465; (36) 65.	Austria, (32) 48. Tonkin, (31) 839. United States, (30) 744, 791.
analyses and feeding value, (32) 461; (38) 665.	United States, (30) 744, 791. Italian, studies, (38) 713.
and rape, crosses between, (31) 528. and swedes, crosses between, root nodules of,	Italian, studies, (38) 713. larvicidal value, (34) 359. methods of analysis, (27) 210.
(33) 848. as affected by boiling and steaming, (28) 363.	methods of extracting, (20) 516.
as catch crop after wheat, (37) 136. assimilation of nitrogen by, (28) 319.	oil, distillation and composition, (29) 719. oil, thermal figure of, (31) 414.

```
Tylenchus—Continued.
tritici—continued.
   Turpentine-Continued.
 Turpentine—Continued.
operations, 1imber available for, (33) 543.
possibilities on Pacific coast, (31) 743.
spruce, toluol from, (39) 200.
substitutes, analyses, (28) 493.
sulphite, recovery, (38) 810
testing and analysis, (49) 801.
tree, strength and clusticity tests, (27) 43.
wood, investigations, (25) 512
wood, production and uses, (26) 413.
yiold from double chipping, (38) 46.
Turtle—
meat adulteration, detection, (26) 110.
                                                                                                                                                                                           tritoi—continued.

notes, (29) 213; (30) 243; (36) 348; (39) 649;
(40) 141, 549.
parasitism, (30) 648.
Tylidae, crection, (37) 846.
Tyloderma foveolatum, notes, (32) 556.
Tyloses in American woods, (30) 841.
Tympanuchus americanus, notes, (27) 355.
Tyon storculiae, notes, (28) 655.
                                                                                                                                                                                             Typha-
                                                                                                                                                                                                          gulture and utilization, (10) 413.
   meat adulteration, detection, (26) 110.
tuberculin, use against tuberculosis, (30) 284.
Tussilago farfara, hydrocarbons in, (26) 107.
                                                                                                                                                                                                         fiber from, (39) 510.
spp., culture and selection experiments, (29) 531.
  Tussock-
                                                                                                                                                                                            spp., studies, (29) 522.
Typhilitis, warty, in pheasants, studies, (26) 684.
              caterpillars, false, (39) 561.
grass, analyses, (32) 166.
moth—
                                                                                                                                                                                             Typhlocyba-
 moth—
antique or rusty, notes, (32) 651.
hickory, (39) 761.
in apple orchards, (20) 541.
in Nova Scotia, (35) 853; (10) 57.
notes, (28) 159; (38) 358; (39) 863; (40) 57.
moth, white-marked—
control, (39) 561, 861.
in Minnesota, (38) 155.
notes, (27) 356, 554, 658, 755, 861; (28) 57,
155, 158; (36) 55, 655; (40) 259.
Twenty-eight hour law, (32) 679.
                                                                                                                                                                                                        phlocyba—
comes, see Grape leafhopper.
cymba n.sp., description, (40) 261.
rosae—see also Empoa rosae.
notes, (28) 157, (38) 867.
spp., studies, (33) 860.
                                                                                                                                                                                            Typhlo-hepatitis, infectious, in turkeys, (26) 381, 588.
                                                                                                                                                                                             Typhodendron lineatus, studies, (39) 65.
                                                                                                                                                                                             Typhoid-
                                                                                                                                                                                                         and paratyphoid bacilli, detection in water and
sewage, (38) 188.
bacilli—
  Twig Dorer-
notes, (29) 657.
studies, (31) 852.
western, notes, (35) 58.
Twig girdler, notes, (28) 159; (37) 660.
Twig pruner, sombre, studies, (28) 757.
                                                                                                                                                                                                                       as affected by lactic organisms in milk, (27)
                                                                                                                                                                                                                              176.
                                                                                                                                                                                                         176.
destruction in sour milk, (40) 476.
growth-producing substance in cultures,
(30) 82.
migration in rabbits, (36) 576.
viability in sour cream, (32) 675.
coll group, specific ferments for, (34) 278.
   Twigs
              forcing, (38) 39.
mounting for school work, (31) 394.
mounting for search and the colors at Mt. Weather, Va., (31) 213. duration, (35) 115. studies, (36) 718.

Twilights, Italian, in 1913, (31) 213.
Twinning in cattle, (40) 873.
Twins, mammalian, biology, (38) 574.
Twitch grass, destruction, (31) 739.
                                                                                                                                                                                                        fever—
caused by food at public dinner, (34) 69.
control in Virginia, (30) 319.
diagnosis, (31) 878.
dict in, (32) 564.
dissemination, (28) 258.
fever, dissemination—
by chickens, (32) 477.
clothing, food, etc., (31) 68.
oysters, (35) 162.
vegetables, (28) 661; (27) 766; (28) 258;
(38) 166.
fever—
              brevicornis, treatment, (26) 648.
trivialis, notes, (28) 655.
  Tychius-
gossypii n.sp., description, (33) 159.
linealius, notes, (35) 364.
picirostiis, notes, (36) 456.
5-punctatus, life history and habits, (36) 860.
Tydens coccophagus, notes, (27) 861.
Tylenohulus scamipendrans—
                                                                                                                                                                                                         fever-
                                                                                                                                                                                                       epidemic at Rock Island, Illinois, (29) 617.
evolution of, (39) 285.
immunization, (26) 567.
immunizati milk for, (34) 272.
in horses, investigations, (28) 184; (30) 186.
prevention, (20) 567.
fever, relation to
              affecting oranges, (34) 354.
in Florida, (33) 550.
life history, (31) 450.
                                                                                                                                                                                                               ver, relation to—
bedbugs, (28) 251.
butter, (38) 265.
house flies, (28) 356.
milk bottles, (28) 879.
milk supply, (26) 478; (27) 376; (28) 674;
(38) 377, 366; (31) 460.
sewage pollution, (27) 318.
water supply, (30) 319.
 Tylenchus-
               acutocaudatus on coffee, (38) 51.
              angustus—
injurious to rice, (38) 351, 547.
n.sp., studies, (30) 540.
notes, (39) 146.
on rice, (34) 49.
studies, (40) 48.
devastatrix—
                           astating narelssus, (36) 752; (38) 455, 460. notes, (28) 847; (29) 150; (30) 159, 448, 647; (32) 448; (34) 249; (39) 57, 250, 254. relation to clover siekness, (36) 348. treatment, (29) 151.
                                                                                                                                                                                                                      role of specific fats in complement fixation,
(39) 80.
serodiagnosis, (31) 877.
transmission by factory-infected candy,
                                                                                                                                                                                                       transmission by factory-infected candy, (34) 366. transmission by house files, (26) 61; (37) 854. treatment, (38) 855. fly, see House fly. human, relation to hog cholera, (26) 881. infection of horses, (40) 289. like diseases of birds, (40) 685. outbreak due to polluted water cress, (30) 64. patients, metabolism experiments with, (35)
             dipsact—
and T. tritici, notes, (34) 841.
control in Westphaiia, (28) 545.
in the United States, (31) 746.
injurious to hyacinth bulbs, (31) 450.
injurious to phlox, (31) 56.
penetrans n.sp., description, (38) 147.
similis affecting bananas, (38) 347.
similis affecting bananas, (38) 347.
similis description, (34) 50.
sp., injurious to rice, (28) 151.
sp., notes, (28) 588; (29) 445.
sp., relation to rice utra disease, (30) 49.
tritici—
in Virginia, (38) 850.
              dipsaci-
                                                                                                                                                                                                               369
                                                                                                                                                                                                         vaccine, effect on tuberculous guinea pigs, (37)
                                                                                                                                                                                                         vaccine, standardization. (39) 82.
                                                                                                                                                                                          Typhula graminum—
in Bohemia, (35) 650.
notes, (28) 52.
                            in Virginia, (38) 850.
in wheat heads, (37) 840.
```

Typhus—	Ultraviolet rays—Continued.
diagnosis, (35) 182.	effect on—
evanthematous, transmission by lice, (33) 857.	amylase, (31) 711.
fever organism in lice, (37) 851.	cane sugar, (26) 308.
fever, transmission, (26) 759. in dogs, (31) 682.	carbohyrates, (28) 529.
	chlorophyll-containing cells, (33) 28.
Typophorus canellus— in Maryland, (38) 155.	diastase and invertase, (26) 203.
notes, (35) 54.	enzyms, (28) 110. fungi, (38) 855.
Tyrannus —	lactic acid, (28) 201.
spp., feeding habits, (28) 56.	phosphorescent bacteria, (36) 526.
verticalis, destruction of locusts by, (28) 351.	plant reproductive organs, (35) 334.
Tyroglyphus—	plants, (26) 430; (27) 827; (29) 130.
americanus, notes, (26) 863; (28) 457.	the eye, (34) 113.
faringe, see Flour mite.	in treatment of wounds, (38) 585.
lintneri, notes, (27) 657.	lamp, description, (28) 214. metablotic action, (31) 379; (32) 475.
sp. notes, (27) 556.	penetration of leaves by, (3)) (29.
spp. on cheese, (39) 664.	penetration of plant organs by, (33) 427. purification of water by, (32) 87; (37) 588. saccharification of inulin by, (26) 802. sterilization of milk by, (28) 277, 378, 675. sterilization of myter by, (28) 277, 378, 675.
Tyromyces ellisianus, notes, (35) 655. Tyrosin—	purification of water by, (32) 87; (37) 588.
and cystin, separation, (31) 807.	saccharineation of intilin by, (26) 802.
as source of ammonia, (29) 723.	sterilization of mink by, (28) 271, 373, 675. sterilization of water by, (26) 28; (27) 317; (28)
assimilation by plants. (26) 32.	214, 317, 416, 514; (29) 415; (30) 419, 816.
content of proteins, (29) 465. detection, (28) 805.	Ultuna agricultural institute and farm. (37) 892.
detection, (28) 805.	Ulva lactuca—
determination, (40) 113, 207.	analyses, (26) 324.
determination in proteins, (28) 805; (31) 711, 712, 807.	sources of nitrogen for, (31) 828.
effect on action of alcohol on plant cells, (34)	Umatilla Experiment Farm—
383.	report, (30) 441; (40) 494. work, (29) 540.
effect on Stilton cheese, (27) 474, 475.	Umbilical necrobacillosis, studies, (33) 676.
in Roquefort cheese, (26) 313.	Umbrella tree, host plant of fruit fly, (26) 758.
ingestion, effect on metabolism, (28) 867.	Uncinaria canina, notes, (34) 275.
necessity in the diet, (36) 265.	Uncinariasis in dogs, (36) 676.
milk, (26) 776.	Uncinula-
stachys tubers and citrus leaves. (26) 107	aceris, symbiosis with maple leaves, (37) 327. americana (necator?), occurrence in Poland,
sugar bects, (28) 810. preparation and determination, (27) 406.	(26) 845.
preparation and determination, (27) 408.	necator, hibernation, (34) 847.
Tyrosinase— action, studies, (37) 110.	necator, notes, (36) 347.
and deaminization, studies, (36) 412.	spiralis, treatment, (34) 841.
compostion, (30) 708.	Underfeeding, effect on blood, (26) 360. Uniform grades and standard packages, (40) 293.
of beets and potatoes, (35) 414.	Unilachnus n.g., erection, (40) 651.
production and action, (28) 503.	United States Department of Agriculture—
Tyrothrix sp. in Stilton cheese, (28) 879. Udamoselis pigmentaria, notes, (29) 54.	Agricultural Commission to Europe, (40) 493.
Udder—	and experiment stations, relationship, (29)
and process of milk production, (39) 679.	604. annual reports, (27) 196; (37) 297.
and process of milk production, (39) 679, bacteria, (27) 280; (28) 275; (29) 279; (35) 674; (38) 76, 478; (39) 383; (40) 184, 185, bacteria, effect on quality of milk, (36) 476.	ennronrightene
(38) 76, 478; (39) 383; (40) 184, 185.	1912-13, (27) 301. 1913-14, (28) 301. 1914-15, (31) 1. 1915-16, (32) 401. 1916-17, (35) 301. 1917-18, (30) 401. 1918-19, (39) 301.
bacteria in milk, (39) 384.	1913-14, (28) 301.
disease, unusual cause, (27) 186.	1914-10, (31) 1.
diseases, notes, (32) 376.	1916–17, (35) 301.
diseases, treatment, (36) 693.	1917-18, (30) 401.
elimination of artificial coloring matter by, (30)	1918–19, (39) 301.
474.	Durbau of Aminiai Industry
histological appearances, (29) 278. infections, (30) 890; (40) 87.	animal nutrition investigations, (27) 469.
surgical affections of passages, (26) 380.	23 E WEI BUXIMERY, (40) 577.
traumatic lesions of, (26) 285.	as a war auxiliary, (40) 577. report, (27) 196; (29) 793. Bureau of Chemistry, color laboratory, (40) 16,
Udo, culture experiments, (37) 742.	Bureau of Plant Industry—
Udo, notes. (31) 140.	activities, (28) 898.
Utons niger, notes, (31) 752. Ula spp., of North America, (33) 561. Ulcers, treatment, (26) 580.	forest pathology laboratory, (40) 500.
Thears treetment (26) 580	reclamation project farms, (40) 493, 494.
Ulla grass, production, (40) 243.	Bureau of Soils— activities, (36) 323.
Ulmus—	field operations, (31) 512; (34) 321
campestris, variations in salt content, (29) 28.	contributions to chemical journals, (36) 600.
fulva, mucin-like substances of, (31) 409.	development and activities, (37) 592.
Ultrafilter, new form, description and uses, (39) 804.	farmers' bulletins, index, (35) 299.
Ultrafiltration—	Forest Service— exhibit at San Francisco (24) 347
apparatus, description, (36) 111. aseptic, apparatus for, (38) 225.	exhibit at San Francisco, (34) 347. organization and policy, (35) 451.
Ultramicroscope, description, (37) 711.	research activities, war-title, (40) 743.
Ultramicroscopy—	scope of investigations, (28) 842.
of soil extracts, (30) 516.	silviculture plans, (36) 143.
treatise, (20) 82.	work, (30) 020. functions (27) 706
Ultraviolet rays— absorption by—	history. (36) 598.
arable soil. (34) 414.	inder to legislation, (26) 899.
chlorophyll, (28) 37.	laws relating to, (29) 899; (32) 693; (33) 698.
arable soil, (34) 414. chlorophyll, (28) 37. plants, (39) 733.	Library, accessions, (26) 95, 599, 899; (27) 97, 599,
S0118, (34) 817.	work, (39) 648. functions, (27) 706. history, (36) 598. index to legislation, (26) 899. laws relating to, (28) 899; (32) 693; (33) 698. Library, accessions, (26) 95, 599, 899; (27) 97, 599, 798; (28) 299, 599. Library, cooperation with other libraries, (34)
soils, (34) 817. action on fig must, (37) 314. antibiotic action, (28) 129.	494.
coagulation of proteins by, (29) 130, 131; (30) 110.	market service. (30) 197.
decomposition of carbon dioxid by, (30) 431.	notes, (28) 495, 699; (30) 96; (36) 798.

United States Department of Agriculture-Contd.	Urea-
Office of Experiment Stations—	adding to diet, (31) 762. as feed for pigs, (31) 265.
notes, (27) 199. nutrition investigations of, (30) 258.	ussimilation by—
report, (28) 695; (29) 899; (33) 299.	plants, (26) 32.
review, (33) 2.	Streptothrix, (27) 621. yeasts and fungi, (28) 824.
Office of Farm Management— notes, (40) 500.	concentration in the tissues, (10) 562.
organization and work. (10) 500.	decomposition by mold fungi, (20) 28.
work, (39) 592, 593. Office of Home Economics, work, (38) 662.	defermination, (30) 764; (35) 112; (38) 110, defermination in
Office of Markets and Rural Organization,	blood, (40) 207. urme, (26) 870; (33) 116; (40) 202.
work, (34) 194, 490.	urine, (26) 870; (33) 116; (40) 202. urine and blood, (36) 317.
opportunities in, (27) 897. organization list, (30) 197; (31) 590; (34) 91; (36)	distribution in and elimination from the body,
791; (39) 497.	(32) 165.
plant disease survey, (37) 500. program of work, (33) 698.	effect on— carbon dioxid production in soils, (30) 123.
publications for—	hemolytic reaction, (36) 878.
farm women, (30) 197. housekeepers, (30) 560.	inversion of sucrose, (28) 613. nitrogen retention in goats, (32) 261.
teachers, (26) 692.	excretion, rate of, (36) 163.
teachers, (26) 692. relation to agricultural colleges and experiment	feeding to dogs and pigs, (30) 170.
stations, (32) 194. reorganization, (32) 402. reorganization, (32) 402.	feeding to dogs and pigs, (30) 170. fertilizing value, (28) 736; (30) 326; (31) 518, 821; (33) 25; (34) 518; (35) 325, 427, 518; (37) 216
reports, (29) 496; (31) 195; (32) 795; (35) 94; (40)	iormation, (28) 664.
493.	formation from cyanamid, (32) 125. formation in the animal body, (40) 866.
retirement of Secretary Wilson, (28) 307. semicentennial, (27) 701.	from lime-nitrogen, fertilizing value, (34) 25.
States Relations Service—	in normal human blood, (28) 665.
establishment, (33) 1. notes, (36) 296; (37) 500; (38) 99; (39) 699.	nitrate, fertilizing value, (31) 822; (34) 25, 518; (35) 325; (36) 134.
work of interest to women, (38) 898.	nitrification in soils, (26) 722.
work of interest to women, (38) 898. statutory history, (34) 796.	origin and distribution in nature, (38) 110. solutions, effect on metabolism, (28) 866.
war emergency funds, (37) 201. Weather Bureau. (See Weather Bureau.)	synthesis, (38) 110.
work in 1915, (32) 496.	utilization by soil (ungl, (39) 623.
work in 1917, (30) 390. work of (40) 688.	nction of, (32) 804.
work in 1915, (32) 496. work in 1917, (30) 396. work of, (40) 688. work of, for housekeepers, (31) 359.	in custor beans, (30) 409. jack beans, (35) 612.
yearbook, (27) 599; (29) 496; (31) 396; (33) 299; (35) 195; (37) 599; (39) 499.	legume nodules and other plant parts, (35)
yearbooks, index, (29) 599.	334.
United States—	plants, (27) 633; (35) 313; (37) 204. soy beans, (32) 803; (35) 10, 109, 110.
Department of Commerce, Commissioner of Fisheries, report, (35) 366.	preparation, (33) 116.
Food Administration—	Uredinales—
notes, (39) 98.	from New Mexico, (30) 147. monograph, (26) 243; (72) 49.
policies and plans, (38) 792. Geological Survey—	of Guatemain, (40) 327.
gaging stations, (27) 116; (33) 89.	of Porto Rico, (37) 749. of the Andes, (40) 133.
publications on water resources, (27) 116. Reclamation Service, report, (31) 383; (33)	on Onagraceae, (37) 552.
485; (35) 284; (37) 84. Livestock Sanitary Association, report, (27) 77; (34) 184, 185, 273; (36) 675; (38) 178.	relation to Hymenomycetes, (28) 214. Uredincae—
(34) 184, 185, 273; (36) 675; (38) 178.	cultures of, (32) 145; (30) 147.
Universities, American system, (27) 896.	dispersal of spores by, (28) 645. germination of teleutospores, (28) 241; (34) 744.
University—	infection experiments with, (26) 845.
graduates, professional distribution, (28) 192. Home and School League of University of	inoculation experiments, (32) 750; (35) 650.
Texas, (31) 598.	nonograph, (36) 647.
of Manchester, notes, (30) 199. of the Philippines, notes, (28) 399.	new species, (40) 327,
Univoltin silk moth, development of eggs, (27) 456.	of Colombia, (35) 245. of North America, (31) 445.
Uranium—	of North America, (31) 145. on Cares in North America, (29) 750.
acetate, effect on olives, (26) 825.	Sexuality in, (34) 526. Urodinia, internal, notes, (35) 635.
plant cells, (27) 826. plants, (32) 325.	Uredinopsis—
plants, (32) 325. sugar beets, (34) 38.	copelandi, accial singe, (38) 553. mirabilis, infection experiments, (30) 745.
nitrate, effect on—	spp., hosts of, (29) 645.
growth of Aspergillus niger, (29) 422.	spp., life histories, (30) 47.
plant growth, (35) 431. oxid, effect on germination of seeds, (29) 528.	arachidis—
oxid, effect on germination of seeds, (29) 528. oxid, fertilizing value, (29) 731. salts, effect on plants, (28) 38, 731.	notes, (37) 452, 551; (40) 155. freatment, (32) 612; (34) 746; (39) 548.
salts, fertilizing value, (30) 627.	chamaceyparidis nutkaensis n.var., studies,
sulphate-	(31) 246.
effect on sugar beets, (31) 233. fertilizing value, (27) 628.	concors, notes, (40) 17.
toxic effect on plants, (38) 628.	ericae n.sp., notes, (29) 49. fici, notes, (37) 453.
Uranyl sulphate, effect on germination of seeds,	gossypii, notes, (20) 548; (33) 741. manihotis, injurious to Manihot glaziovii, (27)
Urban-	753
growth in United States, (34) 193. population in—	(Melampsora) spp., notes, (27) 252.
Germany, standard of living, (26) 358.	(Melampsora) spp., notes, (27) 252. milleri, biology and morphology, (27) 648. milleri, notes and treatment, (20) 50.
United States, (27) 489; (30) 893; (30) 591. Urd, description, (31) 740	nootkatensis and Aecidium sorbi, identity, (35)

Uredo-Continued.	Urocystis-
orchidis, notes, (34) 442	agropyri on Bromus erectus, (40) 156.
rieini, notes, (39) 53.	bornmulleri n.sp., description, (28) 546.
scables, description, (27) 450. sp., treatment, (35) 41; (37) 550.	cepulae, description and treatment, (27) 445 (29) 245.
SDD., notes, (28) 640.	gladioli, notes, (26) 446.
spp., overwintering, (33) 617.	occulta—
vitis, notes, (36) 511.	description and treatment, (38) 546, notes, (28) 443, 846; (30) 448, (49; (33) 851.
Uremia of acarum origin in horses, (10) 89. Urema lobata fiber, tests, (31) 526.	studies, (36) 146.
Uric acid—	treatment, (32) 813; (39) 354.
as affected by foods, (27) 164.	spp., the distory and cytology, (26) 341.
assimilation by plants, (26) 32.	tritici, treatment, (29) 845; (31) 746; (34) 644.
assimilation by Streptothia, (27) 621, decomposition by mold fungi, (29) 28.	spp., life history and cytology, (26) 341. tritic, notes, (31) 845; (38) 48. tritic, treatment, (20) 845; (31) 746; (34) 644. violue, prevention, (34) 750.
detection, (23) 805.	Urodynamis taitensis pheletes n.subsp., description, (40) 55.
determination, (37) 170; (40) 207.	Uromyces—
determination in—	acuminatus, notes, (26) 310.
blood, (34) 412; (40) 16. milk, (40) 509.	alhaginis n.sp., notes, (34) 842, andropogonis, inoculation experiments, (28)
urine, (32) 716; (34) 412; (40) 413.	551.
diathesis, treatment, (26) 765.	appendiculatus—
effect on hemolytic reaction, (36) 878. excretion—	control, (40) 845. notes, (31) 746; (39) 249, 852.
as affected by diet, (30) 864.	treatment, (37) 248.
as affected by light and dark meat, (29) 663.	betae, description and treatment, (28) 847.
constancy in individuals, (31) 761. on meat-free diet, (33) 663.	betae, notes, (28) 129; (30) 47; (32) 544, 750; (35) 245; (37) 249.
formution from a purin base (32) 256	caryophillinus—
formation, relation to protein intake, (33) 462.	internal uredinia of, (35) 635.
metabolism, studies, (40) 175.	notes, (27) 351. specialization of, (33) 545.
formation, relation to protein intake, (33) 462. in normal human blood, (28) 665. inetabolism, studies, (40) 175. nitrification rate, (32) 124. production in chick embryo, (26) 877.	studies, (28) 149.
production in chick embryo, (26) 877.	labae, treatment, (32) 545.
puncture, notes, (30) 261. solvent power of normal urine, (35) 664. synthesis in human body, (34) 762. This without fortilities relies (38) 762.	fallens, life history, (37) 752. fallens on red clover, (39) 550.
synthesis in human body, (34) 763.	hyalosporus n.sp., description, (28) 851.
Uric nitrate, fertilizing value, (28) 736. Uricolysis, notes, (32) 257.	junci, new necial hosts, (36) 245.
Uriella, notes, (36) 556.	monograph, (26) 243.
Urinary—	n.spp., descriptions, (28) 51.
carbon, determination, (40) 206.	pisi, studies, (26) 650; (31) 317.
constituents, relation to diet, (36) 162. creatin, exogenous origin, (40) 365.	scillarum, notes, (33) 741.
Urine—see also Manure, liquid.	n.spp., descriptions, (28) 51. pisi, studies, (26) 65; (31) 317. relation to Puccinin, (26) 645. scillarum, notes, (33) 741. short-cycled, of North America, (37) 749. spp., notes, (28) 443; (37) 453. spp., notes, (28) 443; (37) 453.
ammonia and gastric secretion, (40) 766.	spp., notes, (28) 443; (37) 453. spp. on Fritiliaria, (38) 518.
ammonia nesslerization in, (39) 111. aromatic constituents, (36) 313.	spp. on Geranium and Polygonum, (36) 547.
as affected by light and dark meat, (28) 261.	striatus, notes, (27) 415; (28) 52; (33) 846.
bloody, in cattle, (38) 486.	trifolii, description and treatment, (39) 751, trifolii, spore germination, (38) 225.
calcium and magnesium content, (36) 366.	Urophlyctis
calorific values, (26) 360. carbon dioxid content. (39) 670.	alfalfae, notes, (28) 52; (30) 348; (33) 742; (34) 241; (35) 215; (36) 747.
carbon dioxid content, (39) 670. chemistry of, treatise, (20) 809.	241; (35) 215; (36) 747.
chlorin content, as affected by thymol-chloro- form, (40) 611.	alfalfae, studies, (25) 150; (36) 513. lathyri n.sp., description, (28) 241.
composition—	Urophora solstitualis, life history and blonomics
as affected by feed, (36) 672. as affected by foods, (31) 761.	(32) 759. Uropyxis quitensis n.sp. from the Andes, (40) 133
during fasting, (32) 160.	Urosigalphus, revision, (32) 557.
conservation of phosphates in, (29) 317.	Urošipalphus, revision, (32) 557. Urothripidae, notes, (27) 656.
conservation of phosphorus in, (27) 500, detection of substances in, (20) 408,	Urotropin, use against bloat in cattle, (33) 389.
	diolea, carotinoid content, (31) 803.
determination of sugar in, (10) 413.	urons, analyses, (33) 466.
energy inclors of, (26) 161.	Urticaria bullosa, relation to swine plague, (28) 682 Uscana semifumipennis, notes, (20) 253.
determination of sugar in, (40) 413. energy factors of, (20) 181. examination, (26) 161; (32) 578; (39) 715. excretion in sheep as affected by feeding stuffs,	Uscanopsis carlylei n.g. and n.sp., description, (30)
(20) 8/4.	259. Uspulun, fungicidal value, (34) 51; (35) 47.
fertilizing material from, (40) 320. food acrossories in, (40) 271.	Ustilaginoidea—
hydrogen-ion concentration, (36) 365. methods of analysis, (30) 406; (33) 116, 207.	penniseti u.sp., description, (27) 848.
methods of analysis, (30) 466; (33) 116, 207. nitrogen content after feeding, (35) 863.	pennisoti n.sp., description, (27) 848. virens, notes, (29) 445; (37) 247. virens, studies, (30) 540, 845.
of dairy cows, analyses, (36) 672.	Ustilaginoidella musaeperda, studies, (27) 50.
domestic animals, iron content, (27) 870.	Ustilaginous spores, determination—
male bovines, apparatus for collection, (29) 408.	in flour, bran, and cereals, (26) 408; (36) 146. In wheat bran, (27) 310.
man and animals, treatise, (26) 169.	Ustilago—
man and animals, treatise, (26) 160: output, relation to epithelial changes, (27) 79.	antherarum—
phosphorus content, determination, (39) 806. proteins, studies, (36) 508.	infection studies, (29) 552.
sugar content, (39) 112, 874. trimethylamin in, (32) 764.	investigations, (26) 552. spore formation in, (28) 745.
trimethylamin in, (32) 764.	arrhenatheri n.sp., description, (35) 349. avence and U. levis, inoculation experiments
Volume of on constant diet, (36) 163. This new game description (28) 152	avence and U. levis, inoculation experiments
Urios, new genus, description, (26) 152. Urobacillus pasteurii in soy beans, (35) 110.	(37) 750. bromivora, treatment, (30) 241.
Urochrome and lactochrome, identity, (32) 19.	curbo, effect on horses, (27) 882.

```
Ustilago—Continued.
cruenta, occurrence in America, (27) 545.
ewarti n.sp., description, (26) 846.
                                                                                                                                                                                                                                     Vaccine-
                                                                                                                                                                                                                                                     and serum therapy, notes, (29) 377.
untrable, proparation, (26) 782.
autityphoid, standardization, (39) 82.
              hordel—
longevity in infected seed, (30) 241.
notes, (30) 448.
nuda, biology of, (31) 50.
treatment, (27) 445; (40) 156.
vars., notes, (33) 146.
jensenii, mycelium formation in, (31) 242.
jensenii, notes, (33) 851.
leevis, prevention, (33) 245.
maydis—
control in Openational (20) 71.
                                                                                                                                                                                                                                                      hog cholera and swine plague, preparation, (27)
                                                                                                                                                                                                                                                     hog choleta, notes, (27) 786.
organisms, culture media for, (10) 677.
sensitized and nonsensitized, studies, (35) 782;
                                                                                                                                                                                                                                                              (37) 780.
                                                                                                                                                                                                                                                     therapy -
bacterial, studies, (30) 779.
in veterinary practice, (33) 82.
modified, notes, (26) 83.
treatise, (31) 875.
treatment, studies, (35) 486.
virus, purification by brilliant green, (39) 80.
                                                                                                                                                                                                                                                      therapy
                                control in Queensland, (33) 51.
effect on corn, (26) 447.
introduction into New South Wales, (26)
              introduction into New South Wates, (2a) 53.
on corn in Barbados, (33) 445.
nuda in Dutch East Indies, (38) 448.
nuda, infection experiments, (30) 240.
panici-gracilis, description, (30) 351.
panici-milacei, notes, (32) 544.
reiliana, inoculation on Guinea corn, (34) 644.
sacchari, notes, (20) 848; (34) 50; (37) 551; (38) 550; (40) 157.
shiraiana in United States, (30) 653.
sorghi, notes, (32) 240.
spp., behavior of cells and nuclei during devel opment, (29) 46.
spp., description and treatment, (38) 548.
spp., infension, (38) 148.
spp., inture and treatment, (32) 145.
spp., nature and treatment, (32) 145.
spp., spore germinations of, (31) 642.
spp., spore germinations of, (31) 642.
spp., treatment, (20) 346; (31) 841; (33) 145; (30) 247.
striseformis, studies, (39) 247, 543.
                                                                                                                                                                                                                                      Vaccines
                                                                                                                                                                                                                                                      autogenous, use, (31) 378.
                                                                                                                                                                                                                                                      bacterial
                                                                                                                                                                                                                                                                        nature and use, (26) 580.
                                                                                                                                                                                                                                                     nature and use, (20) 500.
standardization, (30) 780.
studies, (40) 286.
use and abuse, (33) 477.
combined, investigations, (38) 477.
for anthrax, preparation, (28) 376.
guaranties of preparation and distribution, (39)
                                                                                                                                                                                                                                                     080.
in treatment and diagnosis, (36) 575.
inspection in Oregon, (32) 778.
investigations, (35) 73.
manufacture, (20) 372.
preparation, (33) 280, 380; (38) 283.
preservatives in, toxicity, (38) 283.
standardization, (28) 280; (33) 82, 280, (36) 676.
                                                                                                                                                                                                                                      Vaccinia—
complement fixation in, (34) 877.
in horses, (38) 586.
                                                                                                                                                                                                                                       Vaccinhum-
                                                                                                                                                                                                                                       vaccinamic oryinbosum, fruit of, (36) 502. oxycoccus, desicenton, (32) 117. vitis-idnea, notes, (33) 143. Vachiellia furnesiana, notes, (29) 441. Vacuna dryophila, notes, (37) 562.
                 striaeformis, studies, (30) 247, 543.
tragopogonis, notes, (37) 550.
trebouxi n.sp., description, (28) 51.
tritici—
                 tritica—
distribution of fruiting bodies, (33) 647.
life history, (37) 839.
notes, (34) 845; (38) 48, 448.
treatment, (27) 746; (28) 746.
valilantii—
life history, (31) 246.
notes, (33) 742.
                                                                                                                                                                                                                                      Vacuum—
cleanors, dissemination of bacteria by, (30) 390.
cleaning, notes, (29) 593.
cleaning systems, treatise, (32) 89.
desiceator, electrically heated, (36) 501.
evaporators, heat transmission and entrainment
in, (28) 893.
juice heaters, studies, (36) 387.
oven pump, regulating device for, (35) 313.
Vagual catarrh—
contextors in hovines humunization, (28) 380.
                                                                                                                                                                                                                                        Vacuum-
                                  dissemination by tree crickets, (35) 548.
life history, (33) 345.
notes, (37) 452, 750.
                                                                                                                                                                                                                                                       contagious, in bovines, immunization, (28) 380. infectious, in earlie, (31) 285. infectious, notes, (28) 373. treatment, (30) 279.
                                   studies, (38) 249.
  Ustulina
                   on Heven, (39) 152.
   zonata—
notes, (30) 849; (31) 55; (35) 551; (38) 52, 351;
(39) 452; (40) 53.
on rubber, (34) 67.
statiles, (37) 52.
Uta, insect vector of, (35) 404.
                   zonata---
                                                                                                                                                                                                                                        Vaginitis--
                                                                                                                                                                                                                                                       contagious, in cows, treatment, (27) 287, 288.
granular, in cutile, (39) 391.
granular, relation to abortion, (28) 781.
infectious, in cutile, studies, (28) 588.
                                                                                                                                                                                                                                        Vahlkamfia-
  Utah-
(**College**, notes, (26) 496; (27) 99, 309, 404; (28) 798; (29) 99; (32) 498; (33) 199; (34) 497, 696; (35) 400, 609; (36) 100, 107, 606; (37) 99, 300; (39) 97, 198, 400, 609; (40) 200, 799.

Station, notes, (27) 99, 494; (28) 798; (20) 900; (31) 300; (32) 498; (33) 109; (34) 696; (35) 400 699; (36) 100, 696; (37) 07, 108, 300, 600, 797; (38) 98, 499; (39) 47, 400, 600; (40) 200, 499, 698, 790 Station, publications, list, (40) 590.

University, school gardening in, (26) 193.

Utalo, description, (80) 39.

Utensils, choice and care of, (28) 694.
                                                                                                                                                                                                                                        calkonsi, life history, (34) 858.
soli m.sp., description, (31) 420.
Valerianic acid, rôle in digestion, (36) 763.
Valisneria spiralis, growing for wild ducks, (20) 373.
                                                                                                                                                                                                                                      Valsn-
juponica n.sp., studies, (37) 251.
leucostoma, inoculation experiments, (36) 149.
leucostoma, notes, (29) 144; (30) 537; (35) 351.
paulownian n.sp., description, (37) 557; (38) 648.
prunastri, notes, (35) 456.
sp., notes, (34) 247.
spp., on apples, (36) 840.
spp., relation to apple sour sap, (38) 452.
vitis, notes, (28) 749.
Valsaria subtropica, notes, (37) 553.
Vampyrus spectrum nelsoni n.subsp., description, (37) 757.
Vanadium—
effect on—
                                                                                                                                                                                                                                        Valsa-
   Uterine—
cornus of mammals, morphology and function
of epithelium, (28) 875.
diseases in cattle, (36) 279.
Utetes anastrophae u.sp., notes, (29) 652.
Uveal pigment, immunologic properties, (39) 583.
Vaccination—
accidents in. (26) 384
    Uterine-
                                                                                                                                                                                                                                        Vanadum—
effect on—
determination of soil phosphorus; (36) 413.
plant growth, (32) 628.
in plants, (38) 409.
in soils, (31) 720.
salts, effect on plant growth, (28) 38.
toxic effect on plants, (38) 628.
Vanduzea arquata, life history, (34) 754.
                   constion—
accidents in, (26) 384.
of hogs, after-effects, (39) 392.
serum-therapy, and immunity, treatise, (27) 76.
technical errors in, (31) 178.
with paratyphoid bacilli, (40) 289.
```

••	37
Vanessa—	Variation—Continued.
antiopa, notes, (28) 752. californica, notes, (29) 356.	somatic, in pears, (32) 637. treatise, (26) 472; (28) 876.
cardui, notes, (32) 651.	Varicella, complement fixation in (34) 877.
Vanilla-	Variehaeta aldrichi, notes, (27) 261.
as affected by foreign pollen, (40) 840.	variegation in Capsicum, (39) 123.
as binder for ice cream, (36) 78.	Varietal nomenclature of field crops, (39) 833.
bacterial disease, description, (26) 649. beans as affected by curing, (36) 416.	Variety tests— correcting for soil differences, (34) 829.
Conchaspis angroeci on, (40) 56.	error in, (28) 221; (39) 830.
culture, (27) 844.	factors affecting results, (32) 216.
culture experiments, (31) 637; (33) 536; (36) 343;	methods, (30) 33, 134; (31) 226; (36) 527.
(38) 749. oulture in Madagascar. (32) 142.	papers on, (37) 240. rod-row, technique, (38) 429.
culture in Madagascar, (32) 142. detection of coumarin in, (39) 505.	technique. (40) 227.
diseases, descriptions, (27) 450. diseases, notes, (40) 47.	tochnique, (40) 227. value, (29) 329.
diseases, notes, (40) 47.	Variola—
diseases, treatment, (36) 347.	and vaccine, paper on, (32) 271. bovine, in chickens, (27) 685.
adulteration, detection, (26) 111.	complement fixation in, (34) 877.
analyses, (35) 663.	equine, studies, (38) 586.
adulteration, detection, (26) 111. analyses, (35) 663. composition, (26) 99. examination, (28) 166. feeture effecting quality, (35) 764	of sheep and goats, investigations, (26) 678.
factors affecting quality, (35) 764.	Varnish— methods of analysis, (29) 811; (31) 509, 806; (33)
factors affecting quality, (35) 764. from Tahiti and Fiji beans, (27) 499.	17; (39) 613.
methods of analysis, (29) 798.	notes, (31) 658.
fertilizer experiments, (38) 144. industry in Tahiti and Moorea, (36) 445.	Vasculomyces xanthosomae n.sp., description, (29)
powder, effect on bacterial content of ice cream,	Vaseline oil, effect on balsam plants, (28) 825.
(32) 660.	Veal—
production in French colonies (31) 630	bob, detection and use, (28) 65.
production, studies, (40) 43. types of in Tahiti, (35) 129. value in the diet, (29) 664.	bob, detection and use, (28) 65. bob, digestibility, (35) 762. calves, raising in California, (39) 76.
types of in Taniti, (35) 129.	caives, raising in Uniformia, (39) 76.
varieties, (29) 642.	immature, as human food, (34) 557. profitable production, (28) 374.
Vanillin-	rejection as human food, (32) 662.
determination, (28) 313.	Vegetable—
determination in flavoring extracts, (28) 807.	acids, toxicity, (28) 443.
determination in vanilla, (36) 507; (40) 15. disapperance in soil, (36) 482, 725; (38) 129.	adulterant, new, (26) 868. baskets and containers, standards for, (35) 598.
effect on—	canning industry in New Jersey, (32) 65.
action of fertilizers, (26) 224; (27) 520.	chromogens, exidation and reduction in. (34) 32.
citrus fruits, (37) 656.	compounds, humification, (34) 516. conserves, methods of analysis, (32) 109.
growth of cowpeas, (36) 731. nitrification in soil, (38) 119.	dict, effects, (27) 271; (33) 867.
plant growth, (32) 619; (34) 126; (35) 21, 424;	diseases—
(36) 212, 424.	and nests, (37) 832; (38) 211.
wheat, (28) 140; (34) 325. in soils, (30) 610; (40) 22, 24.	and posts in Baden, (31) 539. control, (39) 140, 649; (40) 747.
in soils, origin, (32) 320.	in Porto Rico, (39) 52.
methods of analysis, (33) 413; (37) 12.	in relation to transportation, (39) 849.
Vapor—	in Wurttemberg, (29) 545. investigations, (29) 142. notes, (27) 344, 438, 845; (30) 17, 147, 148, 240, 746; (31) 438, 747; (35) 148; (36) 746.
pressures over United States, (37) 314. tension in western and equatorial Africa, (34)	motos (27) 344 438 845 (30) 47 147 148 240
320.	746; (31) 438, 747; (35) 148; (36) 746.
Vaporite as spray for subterranean insects, (26) 256.	overwintering and control, (40) 248.
Vapors, injury to vegetation, (32) 826. Variability and amplimizis in Spirogyra inflata,	studies, (39) 454.
(34) 370.	treatment, (27) 438, 845. dyestuffs in Madras, (36) 319.
Variation—	lats, see Fat.
and selection in plants, (33) 822.	ferments, proteolytic, in latexes, (31) 409.
and sexual dimorphism in Ginkgo, (39) 123,	ferments, saccharification of starch by, (28) 609.
bibliography, (26) 470; (27) 175; (33) 168. in carrots and beets, (39) 734.	food as affected by meat extracts, (27) 365. food products, investigations, (31) 256.
*Cichorium intybus, (40) 226, 427. copper-treated corn, (39) 526.	foods-
copper-treated corn, (39) 526.	cooked, analyses, (29) 659.
corn, (39) 837.	course in use and proparation, (26) 697.
Cucurbita and Datura, (39) 747. Micromycotes, (39) 121.	of German Africa. (29) 59.
Micromycetes, (39) 121. Oenothern, (39) 123, 825.	course in use and preparation, (26) 597. digestibility, (28) 492. of German Africa, (29) 59. preparation and use, (34) 899. tropical, notes, (31) 855. garden, advantages of, (29) 391. gardening, (39) 30, 130, 240, 344, 444, 498, 542, 645,
Pavonia procumpens, (39) 231.	tropical, notes, (31) 855.
Phascolus vulgaris, (39) 330. Plantago lanceoluta, (39) 330.	garden, savantages of, (20) 591.
plants, (29) 321; (34) 635.	748.
plants—	gardening—
cell measurement as aid in analysis, (39)	in city and suburban districts, (39) 139, 498. South Carolina, (40) 245.
527. in response to screening, (39) 825.	the city, (40) 833.
studies, (30) 328,	the college curriculum. (28) 639.
studies, (30) 328, treatise, (28) 227.	the North, (39) 139. the South, (89) 139.
potato blossom, (39) 535. Spiraea inflorescence, (39) 30.	tne South, (89) 139, textbook, (39) 800
wheat, (39) 743.	textbook, (39) 899. treatise, (26) 538; (40) 340, 536. growers in North Carolina, list, (31) 894.
wheat, (39) 743. intra-individual, definition, (20) 162.	growers in North Carolina, list, (31) 894.
Mendenni interpretation of (33) 822.	growing, bibliography, (29) 436.
metaphanic, in Dactylis, (39) 531. non-Mcndelian, in plants, (37) 725.	industry in— Germany, (81) 635.
of fertility in mainmais, (40) 662.	Germany, (31) 635. New Jorsey, (36) 689. South Australia, (29) 837.
of glume length in wheat, (40) 525.	South Australia, (29) 887.
review of literature, (27) 368.	inspection service, Federal, (40) 344.

	Transfeller Continued
Vegetable—Continued.	Vegetables—Continued.
ivory meal, composition and digestibility, (36) 367.	canning— and cooking tests, (26) 762.
ivory meal, digestibility, (39, 171.	and preserving, (28) 209, 660, 694; (33) 318
ivory, notes, (30) 46.	and storing, (32) 688. trentise, (36) 717.
marrow fly, notes, (36) 654. marrow, inheritance in, (36) 729.	treatise, (36) 717.
marrow, inheritance in, (36) 729.	car-lot shipments in 1916, (39) 748.
marrow mildew, notes, (36) 541. materials containing tannin, methods of analy-	carotin in, (39) 713. certificated by Royal Horticultural Society,
sis, (35) 316.	(31) 340.
matter, showers of, (37) 808.	changes in during storage, (38) 442.
meat extract, analyses, (27) 767.	cold storage, (30) 610.
oils, see Oils, vegotable.	confectionery from, (29) 60. conservation, (36) 113, 615.
parasites, treatise, (32) 777. pear, notes, (29) 461.	conserved, artificial coloration, (27) 809.
physiology, progress in 1911, (27) 616.	containers and loading rules, (39) 843.
physiology, use of respiration calorimeter in, (27) 67, 466, 568; (28) 362.	cooked, antiscorbutic property, (40) 172.
(27) 67, 466, 568; (28) 362.	cooked, antiscorbutic property, (40) 172. cooking, (28) 603; (31) 855; (33) 195, 871. cooperative experiments, (27) 430.
powders, adulteration, detection, (30) 415. product plants, establishing, (39) 894.	coppered, effect on nutrition and health, (29)
production, stimulation during the war, (40)	762: (30) 761.
833.	762; (30) 761. cost of production, (33) 694.
products—	eritient norted at growing season (39) XII
marketing, (29) 492.	culture, (20) 539; (27) 438, 742; (20) 840; (31) 44, 438, 439, 635; (32) 140, 688, 741, 834; (33) 438, 695; (34) 838; (35) 36, 234, 311, 445, 711; (37) 342,
microscopical evanination, (30) 709.	695: (34) 833: (35) 36, 234, 341, 445, 741: (37) 342
purin content, (40) 203. proteins, see Proteins.	645.
rots, notes, (10) 844.	eulture—
saps, physico-chemical properties, (31) 427; (34)	and conservation, (36) 743, 744.
30.	and preservation, (38) 842.
seed industry in United States, (36) 535.	during hot weather, (30) 542. experiments, (26) 237, 740; (27) 343, 438, 842 (28) 112, 346, 827; (20) 137, 235, 331, 338, 426, 638; (30) 441, 442; (31) 732; (32) 337, 437, 538, 539; (33) 43, 236, 238, 338, 735, (34) 231, 436, 035; (35) 341, 444; (36) 39; 137, 443; (37) 241, 832; (38) 40, 641; (39) 139, 344, 444, 644; (40) 444, 730, 741.
seedlings, damping-off, (39) 451,	(28) 142, 436, 827; (20) 137, 235, 331, 338
seeds— analyses, (26) 739.	426, 638; (30) 441, 442; (31) 732; (32) 337
breeding work, (40) 833.	437, 538, 539; (33) 43, 236, 238, 338, 735,
germination as affected by electricity, (26)	(34) 231, 430, 030; (30) 341, 444; (36) 39;
136.	344, 444, 644; (40) 444, 730, 741.
home production, (39) 444.	for seed. (36) 137.
longevity in storage, (37) 742. longevity tests, (40) 339.	in Alabama, (20) 740; (35) 141. Alaska, (20) 743.
seeds, production—	Alaska, (20) 743.
seeds, production— at Vinoland, Ontario, (37) 343. in Canada, (34) 635. in Swoden, (30) 614. in Swytzerland, (40) 833.	Arizona, (32) 232. British Columbia, (34) 436.
in Canada, (34) 635.	California, (26) 47.
in Switzerland, (40) 833.	Canada, (27) 537.
seeds, saving, (38) 241.	California, (26) 47. Canada, (27) 537. Dutch East Indies, (30) 697.
soups, condensed, examination, (31) 659.	
storage rots, notes, (32) 547.	Creorgin, (34) 430.
tanning materials, methods of analysis, (30)	Malaya, (38) 41.
813; (31) 806. tannin, qualitative reactions, (26) 808.	Notherlands, (28) 435.
tissue—	New Mexico, (40) 18.
distribution of fluorin in, (28) 506.	Georgia, (34) 436. Georgia, (34) 436. India, (27) 537. Malaya, (38) 41. Notherlands, (28) 435. Now Morico, (40) 18. Now York, (34) 40. North Carolina, (28) 340. North Dakota, (38) 843. paga 539.
mobility of potassium in, (32) 128.	North Dakota (38) 843
oridation and reduction in, (32) 129; (38)	peat solls, (38) 539.
223. Wastes, analyses, (38) 626.	Philippines, (34) 635.
Vegetables—	Philippines, (34) 635. Queensland, (38) 540. sand hills of Nobraska, (35) 835.
aeclimatization, (31) 231.	Sand fills of Nebraska, (35) 835.
acclimatization in Singapore, (39) 542.	South Australia, (34) 341. south Mississippi, (30) 639.
aluminum content, (32) 455. animals affecting, (27) 438.	the South, (32) 743.
antiscorbutic property, (27) 567; (40) 172, 762.	Otan, (33) 638.
arsenic in. (27) 260.	Wostern Nebraska, (32) 234.
arsonic in, (27) 200, as affected by boron, (30) 429, as affected by electric light, (30) 230.	on muck lands, treatise, (36) 236. * study outlines in, (31) 792.
as affected by electric light, (39) 230.	textbook, (33) 308. trantise, (38) 343. under glass, (28) 838. under inigation, (28) 839. cutworms affecting in Louisiana, (40) 58. deterination in Parts blue (20) 240.
as source of calcium in diet, (39) 876.	trontiso, (38) 343.
ash analyses, (29) 861. bacterial diseases of in Ontario, (37) 149.	under glass, (28) 838.
blanching, (29) 867; (33) 66. breeding ovperiments, (27) 343; (29) 235; (32) 437, 539; (33) 735; (35) 441; (36) 39; (37) 832; (38) 641; (30) 644.	under irrigation, (28) 839.
breeding experiments, (27) 343; (29) 235; (32) 437,	
539; (33) 735; (35) 441; (36) 39; (37) 832; (38) 641;	dietetic value, (26) 260.
breeding investigations, review, (35) 341.	dietetic value, (26) 200. digestion of, (26) 662.
canned-	ariea-
analyses and water content, (40) 864.	analyses, (40) 864.
and preserved, industry in United States,	cooking, (37) 509; (38) 12; (40) 360.
(31) 67.	antiscorbulic value, (39) 771; (40) 762. cooking, (37) 500; (38) 12; (40) 360. manufacture, (32) 117.
ash content, (33) 260. culture volumeter for organisms from, (39)	microbiology, (34) 460.
714.	nature and use, (32) 253, 562. nitrogen and calcium content, (39)
inspection, (27) 565.	1189. (40) 67
market standards, (39) 717. poisoning from, (37) 669, 670. production and distribution, (40) 461.	drying, (33) 318; (36) 318; (37) 509, 715; (38) 114, 507, 716; (39) 208, 366, 418, 510, 541, 615, 717; (40) 414, 808, 864.
poisoning from, (37) 669, 670.	507, 716; (39) 208, 366, 418, 510, 541, 615, 717;
swelling of ting. (40) 764.	(40) 414, 808, 864.
swelling of tins, (40) 764. tin content, (28) 564; (33) 661.	drying—
canning, (26) 762; (32) 253, 509; (33) 18, 697, 805;	and serving in the home, (40) 17.
canning, (26) 762; (32) 253, 509; (33) 18, 697, 805; (34) 714; (25) 14, 558, 717; (36) 97, 509; (38) 12, 94, 114, 208, 715, 867; (39) 165, 208, 317, 418, 614.	in the home, (38) 12.
94, 114, 208, 715, 867; (39) 165, 208, 317, 418, 614.	apparatus for, (37) 806. in the home, (38) 12. utilization of brewerles for, (40) 615.

Vegetables—Continued.	Vegetables-Continued.
early, production, (39) 843.	preservation by pressure, (32) 416.
early, production, (39) 843. effect on composition of uring, (31) 761.	preservation by pressure, (32) 416. preserving alone and with meat, (34) 365.
electroculture experiments, (33) \$27. evaporated, examination, (30) 664; (36) 466.	preserving and processing, (30) 316.
evaporated, examination, (30) 664; (36) 466.	prices in Bern, (32) 162.
evaporation, (37) 715. evaporation in the home, (39) 510.	processing for exhibition, (36) 319. protection from frost, (33) 141.
exhibiting, (29) 745, 898.	purchasing and use, (38) 867.
exports from Barbados, (28) 828.	quarantine law in Missouri, (26) 854.
fortilizer—	recipes, (37) 670.
experiments, (27) 628, 842; (28) 235, 236; (29) 235; (31) 31, 421; (34) 532; (35) 341; (37) 320,	removal of Bordeaux mixture stains from, (35)
645; (38) 344; (40) 339.	644. sap studies, (32) 139.
exportments, planning, (39) 542.	score cards for, (39) 542; (40) 196.
requirements, (26) 818.	seed production, (31) 524.
fortilizers and green manure crops for, (34) 836.	seeding and transplanting, (39) 139.
fertilizors for, (34) 40, 436. finely divided, nutritive value, (30) 761.	selecting and staging for exhibition, (29) 898.
forcing, treatise, (38) 313.	shipping, (39) 813, 819. soduun nitrate for, (39) 328.
French commerce in, (31) 596.	spray calendar. (39) 315.
fruit color, (38) 443.	sprayed, arsenic on, (38) 54.
green, hacterial count, (40) 658. green, value in the diet, (40) 554.	sprayed, arsenic on, (38) 54. spraying, (27) 542; (29) 235; (32) 834; (33) 439. standard barrel for, (32) 499.
greenhouse culture. (38) 39.	standard containers for, (32) 409.
greenhouse culture, (38) 39. handbook, (27) 144.	standardization (38) 41
narvesting and marketing, (31) 898.	sterilization for the home, (36) 17. storage, (38) 95, 211, 292, 345, 442; (39) 418, 813; (40) 44, 150, 245, 864. storage on the farm, (32) 185. storage, ventilation of, (31) 533. suitability for jelly making, (35) 418.
harvesting and storing, (37) 646; (38) 95. heating, effect on vitamin content, (40) 565.	storage, (38) 95, 211, 292, 345, 442; (39) 418, 813;
importance in the dietary, (34) 40.	(40) 44, 150, 245, 864.
imports into United States, (26) 237.	storage, ventilation of, (31) 533.
imports into United States, (26) 237. improvement by selection, (37) 240.	suitability for jelly making, (35) 418.
insects affecting, (27) 159, 756; (28) 156, 248; (29) 852; (30) 53, 240, 454, 852; (31) 438; (32) 753; (33) 98, 153, 746; (34) 651; (35) 55; (37) 256, 896; (38) 54, 558; (39) 140, 160, 656, 861; (40) 245, 649,	sui pius, mandoning and consci ving, (00) 00.
852; (30) 53, 240, 454, 852; (31) 438; (32) 753;	transportation, (35) 835.
(38) 54, 558 (39) 140, 160, 656, 861 (40) 245, 640	transportation and storage investigations, (30) 739.
747, 854.	trentise, (28) 435, 538, 740,
insects affecting in Porto Rico, (33) 59; (40) 854.	treatise, (28) 435, 538, 740. typhoid infection through, (26) 661; (27) 766;
insects affecting in Porto Rico, (33) 59; (40) 854. insects affecting in Trinidad, (40) 352.	(28) 258; (39) 166.
inspection in Canada, (26) 157. inspection in Queensland, (27) 39.	use in Surinam, (28) 761. use in the diet, (27) 567; (29) 862; (38) 166; (40)
introduction into Philippines, (27) 537.	359, 564.
irrigation, (26) 539.	varietal adaptation, (40) 147.
irrigation experiments. (28) 588.	varietal adaptation, (40) 147. varieties, (27) 438, 842; (28) 538; (29) 235; (30) 441; (31) 336, 732; (32) 45, 232, 337, 437, 438; (33) 43, 338, 637; (31) 231, 436, 635; (30) 30, 137, 443, 838; (27) 240, 241, 445, 232; (38) 449, 441, 842
killing by freezing, (32) 42.	(31) 336, 732; (32) 45, 232, 337, 437, 438; (33) 43,
killing by freezing, (32) 42. losses in cooking, (28) 460. marketing, (27) 539; (28) 503; (32) 287, 688; (33)	338, 637; (31) 231, 436, 636; (36) 39, 137, 443, 838; (37) 240, 241, 645, 832; (38) 142, 641, 842.
692; (35) 892.	varieties—
	at Wisley, (33) 536.
cooperatively, (26) 92; (29) 392.	for Georgin, (34) 436. for western Washington, (34) 796.
experiments, (28) 230.	for western Washington, (34) 796.
in New York. (38) 293.	variety tests, (39) 444; (40) 444. washing in canning factories, (37) 416.
in western Canada, (36) 493.	water content as affected by cooking, (26) 462.
methods of analysis, (32) 109.	wholesale distribution, (33) 692. winter, as human food, (35) 859.
marketing— cooperatively, (26) 92; (29) 392. experiments, (28) 235. in Holland, (31) 400, 635. in New York, (38) 293. in western Canada, (36) 493. methods of analysis, (32) 100. millipedes affecting, (26) 458. molloscan pest, (39) 655. mulching experiments, (36) 236; (38) 344. mulching v. clean cultime, (33) 534.	winter, as human food, (35) 859.
mulching experiments. (36) 236: (38) 344.	yield limitation experiments, (28) 740; (30) 343. Vegetarian diet of Japanese monks, (30) 863.
mulching v. clean culture, (33) 534.	Vegetarianism, world-wide application of, (26) 359.
mycology of, (26) 355.	Vegetarians and nonvegetarians, metabolism of,
nomenclature, (32) 337.	(33) 263.
northern grown, in Porto Rico, (33) 536. northern varieties in Porto Rico, (39) 39.	Vegetationsee also Flora, Plants, etc. adaptation to climate, (37) 725.
notes, (29) 338.	na affactive har
nutritive value, (29) 60.	at mospheric impurities, (26) 230; (30) 32. chemical furnes, (29) 547; (30) 432; (38) 429. coal tar vapors, (30) 647; (32) 826.
of California, handbook, (29) 435.	chemical furnes, (29) 547; (30) 432; (38) 420.
Jamalea, notes, (29) 115. Philippines, list, (27) 537.	ront tar vapors, (30) 047; (32) 828.
Trinidad, culture and use, (40) 763.	frost, (27) 523. lime, (26) 325.
Trinidad, meals from, (40) 863.	manganese sulphate, (26) 226.
origin and history, (26) 260; (33) 638.	radioactive substances, (32) 34.
overhead irrigation, (36) 640. packing, (26) 237.	radioactivity, (30) 521 sults of the soil, (27) 215. smoke, (27) 220; (31) 628; (32) 422. smoke and gas, (38) 28.
packing and sale in Michigan, (33) 438.	smoke. (27) 230; (31) 628; (32) 422.
Philippine, vitamin content, (40) 410.	smoke and gas, (38) 28.
picking maturity, (37) 543.	soils, (29) 513.
plant lice on, control, (39) 657.	8001, (31) 826.
planting— on school grounds, (28) 694.	tarred roads, (27) 30, 333; (28) 38. ultraviolet rays, (26) 430; (29) 130.
table, (33) 238.	X-rays. (33) 31.
table, (33) 238. time, (39) 139.	as an indicator of agricultural value of soils,
Dollingtion by pees, (38) 264.	(30) 628.
pollination experiments, (29) 235. preparation, (29) 60.	British, treatise, (27) 328. climatic injury to, (36) 431. distribution in United States, (40) 130.
preparation—	distribution in United States. (40) 130.
and preservation, (40) 67.	errog ou
and use. (32) 253.	composition of drainage water, (26) 421.
for exhibition, (31) 693.	movement of water in soils, (30) 121. rainfall, (39) 418.
preservation, (30) 443; (38) 260, 616, 715, 842; (39) 105, 316, 717, 718.	soil temperature, (30) 122.
5283126†39	

Vegetation—Continued.	Volvet beans—Continued.
establishment in ravines, (26) 643. growth on volcanic ash, (28) 219.	Georgia and Alabama varieties, origin, (40) 141
in Australia, climatic factors, (40) 716.	Georgia, notes, (33) 533. growing with corn, (40) 729.
in Australia, climatic factors, (40) 716. rain-forest and desert mountains, (38) 330.	hybridization experiments, (27) 338; (29) 228
South Africa, (37) 526.	(31) 731; (34) 431; (35) 829.
vicinity of Loyni, (31) 35. movements of in Salton Sink, (33) 525.	insects affecting, (27) 155.
native, of Colorado, (37) 209.	notes, (26) 362. pure lines, (27) 339.
	seed and pod structure, (38) 638.
or a desert mountain range, (30) 27. a wild hay meadow, (32) 329. Brockland, ecology, (40) 424. Cape Breton Island, (40) 162. East Friesland, (30) 321. glacial plunge basin in New York, (40) 326. Long Island, dynamic studies, (30) 730. Nantucket, (33) 27. New York, (35) 146. northern Florida, (33) 525. Puraguay, (38) 824.	Calantina actionists (27) (27)
Breckland, ecology, (40) 424.	V. cotton-seed meal for cows, (29) 576.
East Friesland, (30) 321	v. cotton-seed meal for cows, (29) 576. varieties, (26) 631; (30) 435; (37) 635, 636, 729 (38) 342; (40) 729.
glacial plunge basin in New York, (40) 326.	
Long Island, dynamic studies, (39) 730.	Venereal disease, granular, in cattle, (31) 779. Vengai, notes, (29) 443. Vent gleet in hens, notes, (32) 581,
Nantheret, (33) 27.	Vengai, notes, (20) 443.
northern Florida. (33) 525	Vent gleet in nens, notes, (32) 581, Ventilation—
Paraguay, (38) 824.	and heating, treatise, (29) 300.
Paraguay, (38) 824. Pinus taeda bolt of Virginia and the Caroli-	digest of duta, (31) 265.
nas. (37) 430.	effect on—
Sable Island, (29) 242. sand hills of Nebraska, (31) 425.	appetite, (33) 661.
south Florida, (32) 826.	gaseous exchange, (33) 70. hydrogen-ion concentration of blood, (34)
south Florida, (32) 826. southeastern Washington and adjacent	200.
Idaho, (38) 824. Tooele Valley, Utah, (30) 628.	kitchen, for hotels, (33) 68.
on stannes of Spain (30) 122	nodern practice in, (30) 893; (31) 387, notes, (27) 461; (30) 563.
on steppes of Spain, (39) 122. prairie, studies, (38) 521.	of farm buildings, (32) 502.
relation to—	of stables and dwellings, (30) 601.
electricity, (27) 231.	of stables and dwellings, (30) 691. poor, effect of, (31) 363; (34) 185.
nitrogen content of water, (39) 332.	relation to respiration of fruits, (29) 135, 538;
soil moisture, (30) 223. Rocky Mountain, monograph, (37) 434.	(31) 533.
Rocky Mountain, monograph, (37) 434. rôle of water and light III, (27) 330.	studies, (28) 213; (32) 565; (34) 70, 192, 416. Venturi flume, description and tests, (37) 282.
specialization in, (32) 34.	Venturia-
specialization in, (32) 34. spring, precocity, (37) 633. tests for fertilizers, methods for making, (33) 711.	coffetcola, notes, (38) 51.
Vegetative associations in Manti National Forest,	crataegi, pycnidlal stage, (37) 550. emergens n.sp. on Heyea, (39) 452.
climatic factors. (39) 809.	inaequalis—
Vellosiella cajani n.g. and n.sp., description. (34) 52.	as affected by cold, (34) 538. development of perithecia in, (35) 351.
Velvas lawn sandwoed killer and fortilizer, analyses, (33) 735.	development of perithecia in, (35) 351.
Valvet been	notes, (34) 247, 843, 846; (36) 347; (38) 647, 852.
caterpillar, see Anticarsia gommatilis. feed, analyses, (40) 72, 571. feed, description, (40) 72. feed, fisked, analyses, (40) 571. meal, analyses, (38) 572; (40) 571. meal, digestibility, (39) 475. meal, feeding value, (38) 370, 474, 482, 754;	overwintering, (38) 151. perithecia of, (31) 449.
166d, analyses, (40) 72, 571.	studies, (30) 818; (31) 645.
feed, finked, analyses (40) 571	treatment, (40) 740,
meal, analyses, (38) 572; (40) 571.	pomi, notes, (33) 647; (36) 348; (38) 251, 546, 550. pyrina—
meal, digestibility, (39) 475.	notes, (34) 247, 846; (38) 852, 853,
meal, feeding value, (39) 370, 474, 482, 781; (40) 279, 672, 874.	notes, (34) 247, 846; (38) 852, 853. summary of information, (40) 252.
meal, identification, (38) 638.	summer form of, (31) 749.
meal v. cottonseed meal for cows. (38) 680.	spp., infection experiments, (33) 148. spp., investigations, (33) 347.
Velvet beans—	spp., notes, (30) 541.
analyses, (26) 362; (29) 271, 569; (32) 862. as cover crop, (31) 635; (34) 736.	Spp., treatment, (31) 749.
cover crop for coconuts, etc., (33) 535.	Veratrin—
cover crop, for ecconnis, etc., (33) 535. forage crop, (38) 336; (39) 231.	detection in water, (34) 410. in Liliaceae, (33) 177.
REBRIDE GLOOP (SM) 2/1-	
green minure, (32) 423; (35) 337; (37) 320. bacteria as affected by acidity, (39) 722.	verpena bud moth, studies, (33) 255.
Doublical Scholes, (37) 328.	Verbenes -
breeding experiments, (27) 338. Chinese, globulin of, (30) 202. Chinese, wishin (20)	inhoritance studies, (40) 131.
Chinese, giodulin of, (39) 202.	cut, preservation, (31) 837. inheritance studies, (40) 131. Vercelli Rice Experiment Station, work in 1909,
crossing with Lyon beans, (23) 34	(26) 42. Vermicularia—
Chinese, yields, (39) 434. crossing with Lyon beans, (33) 34. culture, (30) 335.	atrainentaria, notos, (36) 544.
CHIEDEC	capsici, notes, (36) 48; (38) 548.
and use, (37) 445; (39) 538. continuous, (31) 732. experiments, (27) 336, 841; (30) 632; (33) 31; (35) 538; (36) 339; (37) 890 739; (39) 329; (37)	circinans, notes, (31) 539.
experiments, (27) 336, 841; (30) 632; (33) 31	eureumao, notes, (38) 548, 849. sacchari, notes, (37) 553.
	sp., notes, (30) 47.
	varians, notes. (32) 146.
11 Georgia, (38) 342. Guam (40) 392	xanthosomatis n.sp., notes, (37) 148.
Mississippi. (38) 342.	v Griniinges—
North Carolina, (31) 132.	efficiency, (33) 278. tests, (28) 80.
(20) 200 in Georgia, (38) 342. Guam, (40) 328. Mississippi, (38) 342. North Carolina, (31) 132. Philippines, (26) 361. Rhodesie, (27) 32, 637.	verinin
under dry farming, (30) 435.	body, remedies, (34) 350; (36) 551. injurious in Noriolk and Oxfordshire, (40) 255.
aman ary rarriting, (ou) 400.	remedies (38) 252
with corn, (39) 529. description, (30) 828.	Vermingo, insecticidal value, (31) 350.
effect on nitrogen content of solls, (31) 733. effect on yield of corn, (37) 29. feeding value, (39) 575; (40) 76, 573, 772. fertilizer experiments, (26) 631; (37) 635; (40) 230. for cattle and pigs, (38) 770. for steers, (36) 563.	Verminous—
feeding value. (39) 575: (40) 78 872 779	bronchitis in bovines, (31) 85.
fertilizer experiments, (26) 631; (37) 635; (40) 230.	intoxication, investigations, (31) 678. toxins, review of investigations, (30) 278.
for cattle and pigs, (38) 770.	Vermont—
for steers, (36) 563.	College, notes, (27) 494.

Tlaumani Continued	Vetch—Continued
Vermont—Continued. Dairymen's Association, report. (29) 774.	cost of production, (32) 527.
Station—	culture, (27) 32, 337; (30) 37; (32) 431.
financial statement, (27) 599; (29) 194.	culture—
no(es, (26) 495; (29) 197, 498, (31) 198; (33) 199; (36) 296, 600; (37) 199, 797; (38) 98, 499.	and uses, (28) 337.
199; (36) 206, 600; (37) 199, 797; (38) 99, 199.	experiments, (28) 231, 735; (32) 132, 529, 530;
publications, (29) 692, (36) 294. publications, distribution, (36) 598.	(34) 138; (36) 32; (38) 631; (39) 126, 735; (40) 735.
report (33) 97: (36) 2.14, 5.98, (38) 497.	for winter forage, (38) 735.
report, (33) 97; (36) 234, 538, (38) 497. report of director, (27) 599; (29) 194. University, notes, (26) 495; (27) 700; (28) 94, 699; (20) 197, 498, 700; (30) 497; (31) 198, 597, 699; (20) 208, 623 101; (31) 27, (31) 198, 597, 699; (20) 208, 623 101; (31) 37, (31) 198, 597, 699; (20) 208, 623 101; (31) 37, (31) 37, (32) 37, (33) 389; (33) 389; (33) 389; (34) 389; (35) 389; (35) 389; (36) 389; (36) 389; (37) 389; (38) 389;	in North Carolina, (31) 132.
University, notes, (26) 495; (27) 700; (28) 91,	the South, (29) 233.
699; (29) 197, 498, 700; (30) 497; (31) 198, 597,	Washington, (37) 96.
900, (32) 000, (33) 133, (31) 31, 000, (33) 141,	western Nebraska, (32) 224. on moorland, (30) 229,
597; (36) 296, 600; (37) 99, 499, 700, 797; (38) 98, 499; (39) 198.	under dry farming, (30) 435; (31) 129.
Vernin—	description and agricultural value, (36) 635.
and guanin pentosid, identity, (27) 407.	diseases, notes (31) 841.
in malt sprouts, (20) 24.	effect on activity of soil fungi, (36) 215.
in sugar beets, (28) 810.	effect on milk and butter, (34) 570.
Veronica diseases, notes, (31) 546.	fortilizer experiments. (26) 631; (28) 734; (34) 517; (39) 624; (40) 735.
Veronicella— lapas in Porto Rico, (39) 58.	fertilizing value, (26) 438; (27) 831; (29) 233; (35)
occidentalis, notes, (40) 56.	125.
Verruga—	forcing with radium, (28) 825.
and Carrion's fever, identity, (30) 658.	germination as affected by depth of planting,
and Oroya fever, identity, (37) 356, 377.	(36) 438. growing with grain, (40) 822
etiology and transmission, (29) 262. investigations, (32) 350; (34) 355, 858.	growth as affected by radioactivity, (28) 731.
relation to lizards, (31) 847.	hairy—
transmission by—	as cover crop for orchards, (33) 240; (34)
biting flies, (32) 248. insects, (37) 356, 358, 460.	231.
insects, (37) 356, 358, 460.	as fall-sown cover crop, (39) 532. as green manure, (32) 124; (33) 338.
Phlebotomus, (30) 252. sand flies, (29) 856.	culture, (31) 43; (33) 734.
vector of, (30) 658.	hairy cultura
Vertebrae of animals, studies, (26) 355.	experiments, (27) 735; (33) 33. in cotton belt, (32) 533, 534. in Porto Rico, (29) 631. in Texas, (40) 729.
Vertebrates—	in cotton belt, (32) 533, 534.
anatomy of, (28) 668.	in Porto Rico, (29) 631.
Australian, erythrocytes of, (34) 577.	hairy—
comparative anatomy, (40) 777. treatise, (27) 452.	effect on soil moisture, (38) 118.
Verticillium—	fertilizing value, (26) 233.
alboatrum	harvesting for seed, (38) 431.
affecting okra, (31) 343; (38) 851. affecting potatoes, (27) 247; (31) 345.	liming experiments, (39) 221.
affecting potatoes, (27) 247; (31) 345.	seed production, (28) 139, sowing with fall crops at different rates, (40)
infection experiments with, (27) 247.	243.
notes, (26) 847; (20) 243, 444, 616; (30) 351, 649; (32) 136.	hay—
studies, (37) 49, 350; (40) 51. treatment, (39) 250.	analyses, (33) 759.
treatment, (39) 250.	chloroform extract of, (31) 71
diseases, studies, (39) 302.	composition, (27) 668, digestibility, (27) 669; (37) 168, for milk and beef production, (32) 773.
heterocladum—	for mile and boof production (19) 772
description, (33) 459. notes, (27) 860.	mineral constituents, digestibility, (40) 760.
on citrus white fly, (38) 157.	hydrocyanic acid content, (28) 477.
puparum, notes, (29) 562.	injury by bollworm, (39) 761.
puparum, notes, (29) 562. sp. on potatoes, (32) 239.	inoculation, (40) 215, 922.
sp., relation to apple rot, (33) 348.	inoculation experiments, (28) 426.
wilts, studies, (33) 244.	insects affecting, (39) 556. kidney—
Vesicular eruption— in horses and bovines, (26) 373, 678.	as meadow crop, (40) 136.
prevalence in Prussia, (27) 181.	liming experiments, (40) 322.
Vespa-	variety tests, (40) 232. milk, toxicity, (37) 780.
crabro, see Hornet, European.	muk, toxicity, (37) 780.
vulgarls injurious to wheat, (37) 667.	native, analyses, (27) 68. nodule bacteria of, (32) 33, 327; (39) 338.
Vespainima sequoia, studies, (31) 652.	nodule production in, (32) 727.
Vesperus xatarti, notes, (29) 858. Vessels in wood, notes, (26) 51.	notes, (26) 362; (28) 532.
	notes, (26) 362; (28) 532. on moor solls, inoculation, (40) 822.
Vetch— anglyses (98) 770: (28) 483	production in Apain, (28) 730.
analyses, (26) 770; (28) 463. and oats, fertilizer experiments, (40) 134.	purple, (39) 539. purple, as cover crop for citrus, (34) 344.
and oats for green fallow. (40) 229.	rate of seeding tests. (27) 836.
aphis, predatory enemy of, (30) 459.	reaction to Illumination, (33) 129.
as affected by—	relation of tops to roots, (31) 7.33.
lithium salts, (28) 526.	root development with other crops, (26) 129.
smoke, (31) 521. soil acidity, (40) 134. as cover crop, (32) 332, 431; (37) 833.	sand, culture under dry farming, (36) 529. Scloretium discuso, experimental, (39) 753.
as cover crop, (32) 332, 431; (37) 833.	Scotch, as green manure, (32) 423.
Iorage crop, (31) 829,	soed-
green manure, (39) 31; (40) 24. green manure for citrus, (32) 233.	adulteration and misbranding, (27) 141; (29)
winter cover crop, (40) 133.	636.
bacteria as affected by acidity, (39) 722.	germination energy, (29) 538. germination tests, (28) 338; (29) 740. hay, digestibility, (38) 368. impermeable, viability, (35) 740.
behavior of organic substances in, (39) 526.	hay, digestibility, (38) 368.
betains in, (27) 203; (28) 312.	impermeable, viability, (35) 740.
coccinellids affecting, (33) 256.	inspection in vieryiend, (31) 438; (36)
composition as affected by companion crop, (26) 617.	442.
composition at different stages, (39) 836.	oil content, (27) 718. production, (40) 431.

Watch Continued	Waterinens Centinued
Vetch—Continued.	Veterinary—Continued. service in Saxony, (28) 79.
spring, grow on volcanic ash, (32) 36. treatise, (30) 737.	specimens, preparation for examination, (36)
utilization of sugar by (36) 125.	778.
utilization of sugar by, (36) 125. varieties, (26) 631; (27) 32, 336; (20) 222; (32) 226,	surgery and obstetries, handbook, (27) 881; (28)
827; (33) 33; (35) 526; (37) 332, 531; (38) 431, 634; (39) 227, 738, (40) 735.	583.
631; (39) 227, 738, (40) 135.	surgery, treatise, (27) 475; (35) 73.
water requirement, (32) 127.	surgical operations, textbook, (38) 781, thorozouttos, trouties, (30) 370; (38) 875; (27) 783
wild, effect on baking quality of wheat, (34)	therapeutics, treatise, (30) 379; (36) 675; (37) 76) toxicology, treatise, (28) 850.
558. Field as affected by sulphur, (34) 726.	work in Airentina, (35) 678.
yields, (39) 431.	work in foreign countries, (30) 476; (34) 576.
Vetermarians—	work in Union of South Africa, (35) 678.
of Prussia, report, (26) 373.	Vetularctos inopinatus n.g. and n.sp., notes, (38)
ophthalmology for, (31) 376.	760.
Veterinary—see also Animal diseases.	Vibidia, 12-puttata, notes, (36) 751.
anatomy, handbook, (37) 778.	Vibrion septique, biochemistry, (10) 577.
bacteriologist of Union of South Africa, report,	Viburnum borer, notes, (28) 155.
(29) 581.	Viburnum lantana as a hedge plant, (37) 211. Viburnums for lawn planting, (39) 211.
bacteriology, treatise, (26) 276. biologic products, manufacture and sale, regu-	Vicia—
lation, (39) 387.	americana, morphology, (31) 624.
college of eastern New York, (29) 197.	ash constituents of, (30) 334.
colleges, accredited, (29) 770.	(Trucca —
courses in Canada, (38) 296.	analyses, (33) 166.
curriculum, physiology in, (31) 492.	culture experiments, (28) 431; (36) 436.
department of—	tests, (33) 632. faba
Assam, report, (32) 81; (36) 879.	acrating system of, (35) 132.
Baluchistan, report, (37) 271. Bengal and Assam, report, (30) 180.	as affected by sodium chlorid, (10) 435.
Bengal, report, (26) 578; (30) 778; (31) 177;	permeability of root tips, (28) 126.
Bengal, report, (26) 578; (30) 778; (31) 177; (32) 678; (35) 483; (37) 780.	respiration in, (27) 523.
Bihar and Orissa, report, (32) 272; (36) 879.	respiration in, (27) 523, seed, soaking, (10) 727.
British East Africa, report, (32) 373.	sativa, petains in, (27) 203.
Burma, report, (26) 374; (31) 177; (32) 373;	sativa, dictary properties, (40) 762, spp., culture experiments, (28) 532.
(36) 879.	spp., culture experiments, (28) 552.
Madras Presidency, report, (37) 274. Punjab, report. (32) 272; (35) 183; (37) 78.	villosa, fert llizing value, (26) 233. Vicianin—
director general of Canada, report, (26) 881; (31)	constitution, (26) 201.
79, 176.	decomposition by enzym action, (31) 14.
directory of Saxony, (28) 375.	Vicianose, constitution, (26) 201.
dissection, guide, (20) 373; (31) 480.	Vicine, notes, (33) 311.
education in Prussia, (30) 793.	Vicuña, monograph, (27) 771.
handbook and visiting list, (35) 379.	Vicuña, value as domestic animals, (27) 470.
high schools in Austria, (28) 207.	Vigna
hygiene, treatise, (32) 79.	ontjang, analyses, (27) 68; (29) 215. lutea, notes, (26) 362.
inspection in Brazil, (34) 372. inspector examination, (40) 778.	sinensis—
instruction, (26) 297.	analyses and digestibility, (28) 464.
instruction in—	anatomical structure, (31) 314.
Austria, (34) 674.	description, (20) 50.
Austria, (34) 674. Belgium, (28) 297. Bongal, (26) 578.	spp., studies, (26) 635.
Bongal, (26) 578.	Villa lloydi n.sp., description, (31) 63. Villago –
Bihar and Orissa, (30) 577.	communities, improvement, (27) 898.
India, (31) 177. United Provinces, (38) 180.	communities in European farming, (29) 789.
laboratory—	improvement clubs, (31) 600.
apparatus, (36) 676.	life after the war, (40) 687.
apparatus, (36) 676. methods of the Army, (39) 786.	Moderne at Chent exposition, (30) 301.
law, essentials of, (35) 278.	moral life in middle west, (33) 787.
medicine—	of Grand Canyon, development, (40) 218, reconstruction in France, (39) 689.
mide (27) 190	Villalus chilensis n.g. and n.sp., description, (39)
biologic products in, (27) 577. guide, (27) 180. handbook, (26) 882; (35) 278; (37) 176, 778.	362,
history and development, (28) 583.	Vilmorin, M. de, biographical sketch, (39) 200.
lectures on, (39) 582.	Vinasa
manual, (31) 376.	as a fertilizer, (31) 125; (32) 219.
progress in, (28) 278; (20) 301, 408, 581; (34)	as a fertilizer, (31) 125; (32) 219. distillery, fertilizing value, (38) 515. offect on beet pulp, (27) 210.
876.	from sugar beet distilleries, utilization, (26) 528.
relation to entomology, (33) 152.	Vinca-
teaching, (34) 195. 578; (27) 576; (28) 78; (29)	rosea as a host of celworm, (34) 349.
476; (32) 578, 676.	rust, notes, (28) 350.
obstetrics, handbook, (32) 777.	Vine
ODSTRUCTURES, Trentise, (38) 78.	borers, notes, (34) 361.
pathology, textbook, (34) 477.	curculio, injurious to roses, (29) 657. diseases in Wurttemberg, (29) 845.
pharmacology and incrapeutics, texthook, (38)	diseases in Wuritemberg, (29) 845.
580. physiology, manual, (27) 679.	diseases, notes, (26) 139; (31) 841.
police, international, formation, (34) 306.	flower gall midge, notes, (30) 756. growers' schools, uniformity of instruction in,
posology and therapeutics, handbook, (34) 777.	(31) 392.
post-mortem technique, (39) 582.	little leaf, studies, (36) 840.
progress in Punjab, (30) 477.	louse, notes, (30) 845.
questions and answers of Pennsylvnain state	shoots, utilization, (26) 613.
hoard, (31) 376.	trimmings for livestock, (28) 265.
sanitary board of Denmark, report, (29) 377.	Vinegar
science, notes, (28) 667. science, teaching in agricultural course, (29) 500.	alcohol determination in, (40) 712. analyses, (26) 312; (27) 64; (30) 712; (31) 113; (33)
science, teaching in agricultural course, (29) 500. service in France, (28) 78; (29) 880; (35) 279. service in Norway. (39) 787.	753.
carries in Norman (30) 797	amplyees interpretation (98) 983

Vinegar—Continued.	Vineyards-see also Grapes and Viticulture.
ash, notes, (27) 410.	as affected by oxalic compounds, (29) 49.
changes in acid content, (26) 261. chemistry and biology of, (29) 116.	cover crops for, (27) 144, 743.
cider—	failing, restoration, (31) 339. fasciation and coalescence in, (30) 353.
abnormal factors of, (32) 809.	fertilizer experiments, (27) 141.
adulteration, (31) 113. composition, (28) 361. furfured in, (32) 808.	grafted, starting, (28) 640.
furfured in. (32) 808.	in South Australia, (31) 836. laws for protection in Michigan, (33) 438.
generator process, composition, (30) 363. levulose and dextrose content, (26) 261.	lime for, (28) 223.
levulose and dextrose content, (26) 261.	lime for, (28) 223. of Cape of Good Hope, American stocks for
manufacture, (30) 316, 813. methods of analysis, (32) 297.	(27) 645. of Columbia River basin, (35) 646.
volatile reducing substances in, (36) 299;	phyllovera-infested, reconstitution, (30) 251
(37) 112.	344; (35) 343; (37) 314.
composition, control, (26) 506. definition, (34) 67.	protection from frost and other climatic dis turbances, (35) 343.
diseases, notes, (38) 414.	reconstitution, (26) 743; (27) 442, 644; (28) 742
distilled, as affected by wooden casks, (27) 114. dried grains, analyses, (35) 867; (38) 67.	reconstitution, (26) 743; (27) 442, 644; (28) 742 840; (29) 238, 356; (31) 47.
eels, destruction, (33) 661.	reconstitution in Sicily, (34) 740. reconstruction without grafting, (30) 145.
eels, destruction, (33) 661. eels, harmlessness, (33) 366.	spraying, (30) 344.
effect of X-rays on fermentation, (27) 231.	Vinification, experiments in, (30) 612.
effect of X-rays on fermentation, (27) 231. examination, (26) 208; (27) 268; (37) 112. fermentation, (38) 365.	Vinsonia stellifera, destruction by mites, (26) 553. Viola cucullata, new leaf spot of, (36) 547.
from cocondi paim sap, (50) 10.	Violas, varieties, (31) 48.
maple san skimming, analyses, (34) 714. Minnesota apples, (39) 316.	Violet—
surplus honey. (36) 717.	diseases, studies, (29) 753. rays, penetration of leaves by, (31) 129.
surplus honey, (36) 717. waste fruits, (38) 414. grains, analyses, (37) 471; (38) 665; (39) 167; (40)	rays, penetration of plant organs by, (33) 427
grains, analyses, (37) 471; (38) 665; (39) 167; (40)	rays, penetration of plant organs by, (33) 427 rove beetle, studies, (33) 563.
571. grains, digestability, (39) 171.	smut, prevention, (34) 750. Violets—
grains, digestibility, (39) 171. home manufacture, (40) 116.	as host plant of red spider, (32) 157.
industry in Uruguay, (32) 744.	bibliography, (29) 543.
indging, (26) 208: (27) 808.	hud selection experiments, (37) 210.
labeling, (26) 762.	eut, preservation, (31) 837. fertilize: experiments, (26) 739.
industry in Uruguay, (32) 744. inspection, (34) 67. judgung, (26) 208; (27) 808. labeling, (26) 762. "Pectar bleu" test, (40) 311.	red spider on, (39) 65.
iow-grade, improving, (21) 310.	Thichvia disease of, (29) 650.
**manufacture, (32) 207; (34) 67; (37) 112, 715; (40) 116, 414, 808.	red spider on, (33) 65. Thiclavia disease of, (29) 650. Treatuse, (29) 149, 543. Virachola (Deudoria) livia, notes, (32) 151. Virin lands Within the company (32) 669.
116, 414, 808. manufacture—	viigiti istatius istation, norca, (an) ooa.
from grapes, (26) 809.	Virginia— constal plain, economic products of, (29) 513
from grapes, (26) 809. milk, (30) 378.	College, notes, (26) 397; (27) 300; (28) 398; (29) 197; (31) 498, 799; (33) 400; (34) 497; (35) 98 500; (37) 300; (38) 700; (39) 400; (40) 799. creeper, dissemination by English sparrows
pure apple juice, (30) 16. waste grapes, (28) 395.	197; (31) 498, 799; (33) 400; (34) 497; (35) 98
treatise, (33) 18.	creeper, dissemination by English sparrows
pure apple juice, (30) 16. waste grapes, (28) 395, treatise, (33) 18. methods of analysis, (27) 112, 205, 714; (28) 614; (29) 798; (32) 109.	(34) 029.
microbiology of, (26) 372. orange, manufacture, (30) 814; (40) 715.	Station— financial statement, (29) 696.
orange, manufacture, (30) 814; (40) 715.	financial statement, (29) 696. notes, (2n) 495; (27) 300; (29) 400; (30) 497 795; (31) 498, 799; (32) 798; (34) 497; (35) 98, 500; (36) 197; (37) 99, 300, 500; (38) 98 198, 700, 400; (39) 97, 400; (40) 298.
pineapple, manufacture, (30) 813. preparation from wine, (36) 801.	79%; (31) 49%, 799; (32) 79%; (34) 497; (35
protein content, (27) 64. pyridin in, (26) 209.	198, 700, 900; (39) 97, 400; (40) 298,
pyridin in, (26) 209.	
refuse, analyses, (33) 568. regulation of sale. (27) 463.	Treport of director, (20) 896. Truck Station, notes, (26) 495; (27) 100, 390, 600 (29) 398, 799; (30) 407, 798; (31) 408; (32) 696 798; (35) 500, 597; (37) 500, 899; (38) 99, 198
regulation of sale, (27) 463. standards for, (26) 762.	(28) 398, 799; (30) 497, 708; (31) 498; (32) 696
studies, (37) 716. studies and analyses, (39) 316.	798; (35) 500, 597; (37) 500, 899; (38) 99, 198
sugar, notes, (30) 668. treatise, (28) 511.	(39) 97; (40) 99. Viruses -
trentise, (28) 511.	attenuation in blood of cholera hogs, (27) 786.
Vineland horticultural experiment station, Ontario, report, (37) 832.	filterable discussion, (28) 676; (40) 255.
Vines—	diseases caused by, (26) 681.
culture, (36) 535.	notes, (27) 780; (32) 475; (34) 575. review of literature, (27) 181.
culture by machinery, (20) 893. culture experiments, (26) 237. culture in California, treatise, (33) 441. destruction by Chinese cotton scale, (20) 556. for southeastern Alaska, (33) 638.	review of interature, (27) 181.
culture in California, treatise, (33) 441.	ultrafiltration of, (28) 381. uniform method of filtration, (33) 483.
for southeastern Alaska (33) 639	latent, paper on, (32) 271.
hail injury to, (35) 734.	mixed, experiments with, (26) 885. of human tuberculosis, investigations, (26) 884
hail injury to, (35) 734. handbook, (27) 346.	of lupus in man, investigations, (26) 884.
insects affecting, (26) 139. manual, (26) 139.	preparation and sale in United States, (32) 875
of Philippines, (33) 433.	preservatives in, toxicity, (38) 283. propagation and sale, (28) 677; (39) 787.
	ultramicroscopic, notes, (34) 575.
prenoiogical data, (33) 825.	ultramicroscopic, notes, (34) 575. ultravisable, notes, (32) 272.
phonological data, (33) 825. propagation, (34) 533. pruning, (37) 242. prunings as fodder, (33) 568. quarantine law in Missouri, (26) 854. sulphur as fartilizer (or (24) 28)	Viscera, fermented, use in bread making, (40) 461. Viscogen, effect on creaming ability of milk, (36) 76
prunings as fodder, (33) 568.	Viscose as casing for sausages, (32) 660.
quarantine law in Missouri, (26) 854. sulphur as fertilizer for, (34) 331.	Viscosity, motes, (35) 734.
	Viscum— album-—
training, Oppenheim method, (27) 539. varieties, (38) 842.	ger minution studies. (20) 521.
Vineyard—	parasitism, (31) 56. transpiration in, (31) 324; (32) 522.
hoeing machines, tests, (28) 187. laborers in Italy, diet, (27) 464.	cruciatum, infection experiments, (29) 243.
posts, natural enemies of. (30) 455.	verruculosum, notes, (36) 652.

Vitamin A, see Fat-soluble A and Vitamin, fat- soluble.	spp., venation angles and leaf dimensions in,
Vitamin-	(28) 541. variation in floral structures of, (26) 742.
antiheriberi, distribution, (10) 868. antineuritic—	vinifera -
as affected by heat, (38) 481.	and V. berlandtert, hybrids of, (30) 144. in eastern America (35) 616.
identity with water-soluble B, (38) 503. in cereals, (38) 581, 800.	pollen germination in, (33) 539.
studies, (30) 385; (40) 271, 272. antiscorbutic, studies, (40) 272, 889. B, see Water-soluble B and Vitamin, anti-	pruning, (32) 142.
B. see Water-soluble B and Vitamin, anti-	pruning and traming, (33) 142, seeds, use in classification of varieties, (26)
nem ilic.	46.
effect on growth, (30) 865. factor in animal tissues, (39) 665, 873. fat-soluble, studies, (39) 770.	vangties, (32) 837. yulpina, senila changes in leaves, (32) 728.
fat-soluble, studies, (39) 770.	Vivian experiment and demonstration farm, (34)
fraction— determination in milk, (30) 508.	735. Viviparity in Polyctenidae, (31) 452.
from yeast, (35) 311.	Viviparomusca, erection, (31) 253.
from yeast and rice polishings, (29) 664. from yeast, chemistry of, (29) 463.	Vlei grass, analyses, (32) 166. Voandzeia—
from yeast, studies, (39) 667.	analyses, (10) 557.
hypothesis and deficiency diseases, (40) 70. inilk as source of, (39) 570.	poissoni, notes, (30) 235. poissoni seed, analyses, (28) 359.
requirements for maintenance and growth, (39)	subterranea—
665.	agglutinating properties, (31) 774,
theory, discussion, (33) 279. water-soluble, studies, (40) 271.	analyses and digestibility, (28) 464, culture experiments, (27) 233; (35) 739,
Vitamins—	digestibility, (26) 161.
and amino acids in the diet, (32) 857. and diet, quantitative relationship, (32) 163, 164.	oil content of seed, (27) 717. Vocational—
and symbiotes, similarity, (10) 363.	education-see also Argicultural education,
chemical nature, (35) 269, 711; (37) 411; (38) 580. chemistry of, (36) 314.	vocational. administrative problems, (40) 692.
destruction by alkalis, (36) 465. destruction by heat, (31) 660.	agricultural, see Agricultural education,
determination in-	vocational. cultural value, (34) 897.
cereal products, (36) 465. food products, (35) 472. vogetables, (40) 410. digest of data, (32) 67, 662; (36) 161.	evening courses for girls and women, (40)
1000 products, (30) 472, voretables, (40) 410.	692. Federal aid, (32) 11; (36) 701; (37) 597, 606,
digest of data, (32) 67, 662; (36) 161.	798; (38) 395.
effect on amino-acid contont of media, (40) 201. offect on nutrition and growth, (33) 462.	Federal commission on, (30) 398.
importungs in dist (20) 762	for negroes, (38) 92. in Arizona, (40) 394, 896.
importance in utrition, (32) 359. in animal nutrition, (40) 577. bacterial culture, (39) 608. browers' yeast, (36) 864. corn., (39) 368.	California, (37) 394; (38) 191; (40) 394.
bacterial culture, (39) 608.	Delaware, (40) 394. Europe, (33) 596. Georgia, (40) 394. Illinois, (34) 598; (40) 596. Indiana, (31) 597; (33) 595; (40) 395.
brewers' yeast, (36) 864.	Europe, (33) 596.
corn and wright produces, (ab) ort.	Illinois, (34) 598; (40) 598,
food, (31) 558. food, physiological value, (30) 865, 866.	Indiana, (31) 597; (33) 595; (10) 395.
iniant 1000ing. (40) 209.	Iowa, (40) 395. Kansas, (40) 395.
Milk, (36) 665. Philipping vegetables, (40) 410	Kansas, (40) 395. Kentucky, (40) 395. Maine, (40) 395.
milk, (36) 665. Philippino vegetables, (40) 410. rice polishings, (30) 285. typhold bacilius cultures, (30) 82.	Maryland, (40) 896.
typhoid bacilius cultures, (39) 82.	Massachusetts, (30) 195; (38) 396; (40)
necessity for in dict, (31) 702. notes, (28) 261; (30) 561; (31) 382; (37) 468. panoreatic, use in malnutrition, (37) 65. paper on, (35) 100.	596. Michigan, (40) 395.
paneron, (35) 100	Minnesota, (26) 391; (40) 596. Mississippi, (40) 395.
relation to beriberi, (29) 169. relation to lipoids, (32) 561.	Wissouri, (40) 395, 396,
relation to hipoids, (32) 561. review of investigations, (35) 166; (36) 363.	Nobruská, (40) 597. Novada, (40) 597.
rôle in malabalism of earbabacteries (91) 469	Now Marien, (40) 597.
role in nutrition, (35) 269, 472, 861.	North Carolina, (40) 597. North Dakota, (40) 598.
role in nutrition, (35) 249, 472, 861. rôle in the diet, (38) 568. studies, (40) 363, 465, 563, 564, 565. troatise, (32) 578. Vitellin, lysin content, (31) 559.	Oklahorm, (10) 598.
Vitallin, lysin content, (31) 559.	Oklahorun, (10) 598. Oregon, (38) 696, 696. Pennsylvania, (32) 596. Texas, (40) 598. United States, (37) 192; (38) 596, 597.
A 101GH10HLSI—	Texas. (40) 598.
instruction in schools, (35) 646. school at Feldsberg, Austria, (27) 695.	United States, (37) 192; (38) 596, 597.
station at Lausannie, (35) 839. Viticulture—see also Grapes and Vineyards.	United States and Canada, (31) 401. Utah. (40) 598.
Viticulture—see also Grapes and Vineyards.	Utah, (40) 598. Washington, (40) 692. West Virginia, (40) 692.
bibliography, (31) 339. in Algeria, (30) 741. Hungary, (30) 553. Japan, (33) 559.	
Hungary, (30) 533. Japan (33) 539	issues in, (28) 90. law in New York, (37) 394.
Portugal, (32) 838. sandy soils of Mexico, (30) 643.	legislation for state system. (29) 596.
sandy soils of Mexico, (30) 643. South Africa. (35) 839.	notes, (32) 793; (40) 400. of girls in New York, (40) 597.
Tuscany, (33) 440.	report of Federal Board, (40) 793.
South Africa, (35) 839. Tuscany, (33) 440. papers on, (35) 343. raview of literature, (30) 40.	statistics, (40) 595.
toxtbook, (35) 744. treatise, (30) 643; (37) 834.	statistics, (40) 595. treatise, (40) 196. instruction in public schools, (27) 694.
treatise, (30) 643; (37) 834. Viticulturists, cooperative associations, (40) 893.	SCHOOLS
Vitis—	animal husbandry instruction in, (28) 92. cooking in, (33) 397.
cordifolia, ash analyses, (27) 801. riparia, seed oil of, (34) 501.	in Massachusetts, (32) 288.
***************************************	in New York, (32) 690.

Vocational—Continued.	Walnut-Continued.
schools—continued.	diseases, notes, (38) 651.
need for, (28) 491.	leat disease, description and treatment, (32) 150.
rural economics in, (27) 797.	leaf mite, notes, (32) 651.
teachers, preparation, (39) 595. training for boys and girls, (28) 499.	mealy bug, notes, (29) 454. melasuma, notes, (34) 56, 353.
Volatile—	melaxuma, studies, (34) 447, (37) 756.
acid, determination in wine, (35) 647.	oil, composition, (36) 803.
oils, production from wild plants, (26) 612.	oil, detection, (29) 613.
Volcanic—	oil, digestibility, (38) 868.
ash, analyses, (36) 429.	root rot, treatment, (38) 152.
ash, conversion into tertile soil, (37) 420.	scale, notes, (28) 156.
ash, Katmai, (40) 812.	seedlings, variation in, (36) 140.
ash, reclamation, (28) 220.	weevil, life history and habits, (28) 553.
ashes, effect on soils, (29) 726. dust, effect on climate, (29) 720; (32) 509; (33)	wood, utilization, (28) 544. worm in California, (40) 456.
806; (34) 115.	W.Inuts-
dust, precipitation from the air, (30) 417.	as affected by tarring roads, (26) 432.
eruptions, relation to Weather, (37) 619.	black—
rock, fertilizing value, (36) 332.	as host of Archips argyrospila, (27) 160.
Volcanoes, relation to climate, (29) 720, 721.	culture in Minnesota, (32) 840.
Voles—	development of fat in, (30) 411.
destruction, (30) 545. eradication in Italy, (36) 852.	root-pruning, (38) 41. varieties, (37) 113.
Volna as a meat substitute, (26) 464.	bleaching. (26) 239.
Volumenometer, description, (40) 208.	bleaching, (26) 239. breeding, (34) 639. budding, (20) 542.
Volumeter, automatic, description, (35) 185.	budding, (26) 542.
Volumetric apparatus, calibration, (35) 415.	crown gall affecting, (28) 447.
Volutella fructi, temperature relations, (36) 649.	culture-
Vultures of France, book, (26) 452.	experiments, (32) 540.
Wage earners, standard of living, treatise, (31) 360.	in Arizona, (33) 49; (34) 236.
ges—	in ('alifornia, (28) 342; (35) 145.
and rural migration in France, (35) 496. Board of Great Britain, (40) 591.	distribution of nitrogen in, (36) 269. English—
farm, in France, (30) 91.	bacterial blight affecting, (27) 349.
farm, in Iowa, (37) 91.	bearing dates, (33) 643.
farm, in France, (30) 91. farm, in Iowa, (37) 91. farm, in United States, (33) 93.	culture, (27) 41.
farm, increase in, (28) 292; (31) 190. in America and Europe, (26) 359.	culture, (27) 41. diseases, (32) 238; (38) 52.
in America and Europe, (26) 359.	French and Asimic varieties, (34) 535.
Australia, (29) 393.	grafting, (34) 236. insects affecting, (28) 342; (40) 259. microscopic identification, (28) 565.
Unicago stockyards district, (32) 163.	insocis affecting, (28) 342; (40) 239.
Swindan (25) 703	now form (30) 844: (32) 46
United Kingdom, (29) 766.	new form, (30) 644; (32) 46. oak-like mutant of, (35) 840.
Australia, (29) 393. Australia, (29) 393. Chicago stockyards district, (32) 163. India, (27) 302; (31) 209; (34) 195. Sweden, (36) 793. United Kinydom, (29) 766. piece, in agriculture, (31) 894.	part henogenesis in, (30) 544.
Wagon-	Persian-
for heavy loads, description, (27) 191.	culture in Maryland, (40) 150.
tires, width of, (36) 787.	culture in southern Texas, (32) 539.
Wagons—	in United States and Canada, (33) 143.
draft of, (33) 890.	monograph, (28) 543.
draft tests, (36) 388. farm, descriptions and tests, (26) 789.	pruning, (35) 145. Quercina, origin, (32) 338; (34) 236.
sizes and specifications, (36) 787.	stocks for, (32) 337.
standardization, (32) 789; (34) 88.	variability of yield, (38) 744.
Wahnschaffe, Felix, biographical sketch, (31) 200.	varieties, (37) 241. varieties in California, (32) 746.
Waiters-	varieties in California, (32) 746.
instructions for, (32) 65.	varieties in France, (28) 342.
supervision of health of, (30) 863.	Wampee, description, (32) 742.
effect on metabolism, (32) 765; (34) 260.	Wapato as a duck food, (30) 545. Wapiti hybridization experiments (20) 171
ancrey expenditure in. (20) 871, 872	Wapiti, hybridization experiments, (29) 171. War broad, analyses, (35) 367.
energy expenditure in, (20) 871, 872. Walking-stick—	War bread, analyses, (35) 367. War bread, notes, (33) 162.
effect of temperature on molting, (28) 353.	War-time dishes, recipes, (37) 63.
life history, (26) 147.	Warble mos, see Hypotterma spp., Bots, and Ox
Wallrothiella arceuthobli, studies, (33) 651.	warble fly.
Walls—construction, handbook, (33) 291.	Warblers of North America, (37) 846.
masoury, preventing dampness in, (28) 786.	Warehouse— Act, Federal, (35) 308.
retaining and storage, dimensions and stresses,	elevators, cooperative in Wisconsia, (28) 593.
(29) 183.	law in Texas, (33) 402.
Walnut-	law in Texas, (33) 492. "Warmth of dawn" theory, (40) 314. Warp deposits in England, (20) 514.
aberrant, notes, (26) 337.	Warp deposits in England, (29) 514.
aberrant, notes, (26) 337. aphis, control, (39) 461.	wash poule, nonspattering, description, (36) 13,
aphis, fungus enemy, (39) 464.	Washers, strength and design, (32) 687.
aphis, fungus enemy, (39) 464. aphis, remedies, (30) 345; (33) 557. aphis, studies, (31) 753.	Washing powders as insecticides, (36) 753.
apnis, studies, (31) 753.	Washington-
bacterial black spot, notes, (27) 654. blight—	Adams Branch Station, report, (37) 195. College, notes, (26) 194, 388, 797, 900; (27) 100, 494, 700; (28) 398, 600, 900; (29) 197, 399; (30) 96, 497; (31) 198, 498, 799; (32) 95, 696; (33) 199, 700; (34) 97, 600; (35) 799; (38) 296; (37) 798; (28) 99, 400, 800; (39) 400, 600, 699; (40) 99, 698,
description, (32) 238.	404 700- (28) 308 600 000- (20) 107 300- (20)
in eastern United States, (38) 455.	96, 497; (31) 198, 498, 799; (32) 95, 696; (33) 199,
notes, (34) 639; (35) 51.	700: (34) 97, 600: (35) 799; (36) 296; (37) 798;
notes, (34) 689; (35) 51. studies, (28) 342; (34) 545; (37) 756.	(38) 99, 400, 800; (39) 400, 600, 699; (40) 99, 698,
treatment, (30) 345. borers, notes, (35) 656.	
porers, notes, (35) 556.	reportion Institution, proceedings, (37) 281
Dud mom, notes, (28) 554.	Children Indiana Indiana (CO) MODE (CO)
cotornillar see Ilotorna intercuriena	Station bulletins, index, (36) 508; (38) 497.
caterpillar, see Datana integerrima.	Irrigation Institution, proceedings, (37) 281. Station bulletins, index, (36) 508; (38) 497. Station, inancial statement, (26) 705. Station, pages (26) 194, 398, 696, 600; (27) 100
caterpillar, see Datana integerrima. containing hazelnut kernel, (35) 449. curculio, see Constructed in indendis	Station builetins, index, (30) 598; (38) 497. Station, financial statement, (26) 705. Station, notes, (20) 194, 398, 690, 900; (27) 100, 494, 700; (28) 398, 600, 900; (29) 90, 197, 399, (20)
caterpillar, see Datana integerrima. containing hazelnut kernel, (35) 449. curculio, see Constructed in indendis	Station bulletins, index, (30) 508; (38) 497. Station, financial statement, (26), 705. Station, notes, (26) 194, 398, 696, 000; (27) 100, 494, 700; (28) 398, 600, 600; (29) 99, 197, 399; (30) 497; (31) 194, 498; (32) 95, 308, 696; (23) 109.
caterpillar, see Datana integerrima. containing hazelnut kernel, (35) 449.	Station builtetins, indox, (30) 598; (38) 497. Station, financial statement, (26), 705. Station, notes, (26) 194, 398, 696, 900; (27) 100, 494, 700; (28) 398, 600, 900; (28) 99, 197, 399; (30) 497; (31) 198, 498; (32) 95, 308, 696; (33) 199, 700, 900; (34) 600, 798; (36) 697; (37) 99, 798; (38) 99, 400, 800; (39) 400, 699; (40) 99, 698.

Washington Continued	Water-Continued.
Washington—Continued. Station, report, (26) 795; (28) 796; (32) 796; (34)	bibbs, discharge table for, (31) 784.
796; (37) 96; (40) 797.	biological analysis, (32) 205, 311.
796; (37) 96; (40) 797. Substation, Western, monthly bulletin, (39) 94, 196, 398, 598, 799, 899; (40) 97, 296, 397, 494,	biology, treatise, (39) 551.
94, 196, 398, 598, 799, 899; (10) 97, 296, 397, 491,	black alkaline and calcium sulphate, close
691, 797. western station, report, (28) 599; (33) 97.	proximity, (29) 415. hog effect on plants, (28) 733.
Washingtonii—	bog, effect on plants, (28) 733. bog, effect on Tradescantii root hans, (29) 523.
disease of, (31) 845.	boued, use in bread making, (28) 660
flifera, culture in Arizona, (32) 233.	bottled, bacteria in, (35) 388.
Wasp parasite of Phytalus smithi, (10) 265.	prackish, irrigation with, (30) 886.
Wasp, parasitic, studies, (39) 566.	bubble fountains, bacteriology of, (35) 860, buffelo, see Carabao
Wasps— and bees, differences, (35) 256.	buffalo, see Carabao. capacity of soils, (26) 218, 619, channels in leaflets, structure and function,
bembiene, of North America, (40) 264.	channels in leadlets, structure and function.
digger, of North America, (28) 858.	(28) 629.
fossorual, studies, (28) 455.	chemistry of, (26) 607.
gall, type species, (38) 63; (40) 862. hunting, treatise, (35) 468.	colloid-holding, purification by soils, (35) 388.
injurious to wheat, (37) 667.	colon-nerogenes group in, (38) 591, composition, (28) 316.
of Georgetown Museum, (32) 758.	composition and properties, (30) 620.
of Nehrnska (40) 551	conductivity, preparation, (36) 504.
of West Indies, (34) 857.	conduits, designing, (30) 887.
of West Indies, (34) 857. pollination of alfalfa by, (26) 633. relation to Nosema apis, (27) 761.	conduits for, (31) 483.
scould, importation into Mauritius, (39) 869.	conservation—
solitary, natural history, (27) 359.	by storage, treatise, (33) 885. in Butish Columbia, (38) 288.
stridies, (40) 553.	in New South Wales, (20) 785; (33) 583,
· wood, Nearctic species, (39) 869.	889; (31) 785.
solitary, natural history, (27) 359. studies, (40) 553. wood, Nearctic species, (39) 869. wood, studies, (30) 59. Wassermann reaction—	in soils, (29) 85.
Wassermann reaction—	trentise, (31) 214.
in rabbits after injection with luctic liver, (35) 383.	containing hypochlorite of lime, effect on
technique, (32) 272.	vegetation, (29) 212. content of —
Waste products, utilization, treatise, (40) 415.	foods as affected by cooking, (26) 462,
Watabura n.g. and n.sp., description, (38) 857.	leaves, studies, (26) 627.
Water—	soils, effect on development of wheat, (27)
absorbed, determination in soils, (31) 313. absorption—	38.
and secretion by living plants, (34) 111.	continuous application to vegetables, (37) 325,
by butter, (32) 577.	control, bibliography, (32) 588.
by butter, (32) 577. by timbers, (32) 48.	control in irrigation, power, etc., book, (31) 383.
in plants, studies, (28) 822.	conveyance. (28) 484.
added, determination in ground meats and sausage, (37) 414.	conveyance and diversion in India, (33) 683.
alkali—	conveyance, treatise, (33) 390, 586.
effect on dairy cows, (30) 775.	courses, lining, (27) 889.
effect on dairy products, (27) 282.	Cuban, analyses, (36) 511.
effect on lead, (30) 511.	culture experiments, (39) 122.
notes, (28) 27. notes, (28) 276. still for, (28) 796. analyses, (26) 118; (27) 165, 317, 719, 817; (28) 27, 442, 618, 811; (29) 210; (30) 620; (31) 316, 388, 509; (32) 281, 357, 456, 487; (33) 165, 779; (34) 84; (35) 8, 83, 400, 663; (36) 86, 888; (37) 114, 693, 883; (38) 691.	culture experiments -
analyses, (26) 118; (27) 165, 317, 719, 817; (28)	soration of nutrient solution, (30) 28
27, 442, 618, 811; (29) 210; (30) 620; (31) 316,	distilling water for, (38) 20. interpretation, (30) 731. source of error in, (32) 128. culture, now method, (28) 817; (33) 628. culture solutions, studies, (38) 730.
358, 509; (32) 281, 357, 456, 487; (33) 165, 779;	interpretation, (30) 731.
(34) 84; (35) 8, 83, 490, 663; (36) 86, 888; (37)	culture, new method, (28) 817; (33) 628.
analysis—	culture solutions, studies, (38) 730.
reporting results of, (32) 807.	cultures, growth of plant scedlings in, (38) 329. decomposition by solar rays, (28) 416. detection by divining rod, (39) 17.
textbook, (33) 206. freatise, (26) 418; (30) 12; (32) 807.	decomposition by solar rays, (28) 416.
treatise, (26) 418; (30) 12; (32) 807.	
and air, review of literature, (28) 115.	determination
and salt, physiology of, (28) 261. appropriation and distribution in Colorado,	calcium carbid method, (27) 408.
(31) 587.	in best souds, (27) 615. bread, (36) 506. bread, (36) 506.
artesian-	butter, (26) 806; (27) 311, 312; (28) 474; (30) 113; (32) 508.
and subartesian, of New South Wales,	(30) 113; (32) 508.
analyses, (27) 116. for irrigation in Montana, (36) 486.	calcium nitrate, (26) 606.
in Argerich, Argentina, (28) 214.	canned tomatoes, (27) 310.
in Argerich, Argentina, (28) 214. in Australia, (29) 16; (33) 486; (34) 284, 483. in Black Hills vicinity, South Dakota, (40)	cereals, (27) 713. cheese, (27) 811; (28) 612; (29) 311, 810; (31) 613, 811.
in Black Hills vicinity, South Dakota, (40)	(31) 613, 811.
291. in Missouri, (31) 812.	corn. (30) aub.
as affected by—	desiccated milk, (37) 508.
decaying Nymphaca rhizomes, (35) 579.	flour, (27) 498. flour and meal, (30) 506.
storage and preservatives, (26) 418.	food materials, (40) 204.
ascent and descent in trees, (29) 524.	foods, (27) 498; (29) 799; (30) 505.
bacterial content as affected by storage, (30)	1ard, (20) 207.
bacteriological examination, (34) 284, 285, 286;	foods, (27) 498; (29) 799; (30) 505. lard, (26) 207. milk fat, (31) 508. plant substances, (30) 507; (36) 713.
(37) 187; (38) 11, 591.	sirups. (34) 611.
bacteriology of, (26) 174.	soap, (39) 716.
bacteriology, treatise, (29) 814.	soils, (28) 204; (32) 216; (33) 206; (36) 719.
bacteriotoxic action of, (33) 188.	sirups, (34) 511. soap, (39) 716. soils, (28) 204; (32) 216; (33) 206; (36) 719. spices and similar products, (37) 414.
in rest and mountain climbing, (27) 768.	
of desert plants, (20) 530; (27) 20.	of hardness, (27) 9, 111: (38) 112.
of succulent plants, (26) 227.	of zinc in, (39) 205.
bath, description, (31) 811. bath for immersion refractometer, (27) 14.	sugar factory products, (38) 616. of hardness, (27) 9, 111; (38) 112. of zinc in, (39) 205. direct transfer of in ruminants, (20) 66.

Water-Continued	Water—Continued.
Water—Continued. disinfection by—	examination, treatise, (29) 506; (34) 609; (38
bleaching powder, (38) 592.	11, 313.
bleaching powder and liquid chlorin, (34) 885.	excess, detection in chopped meat, (29) 460.
chlorid of lime, (28) 214.	excretion in the breath, (28) 169, 666. filters, notes, (29) 815; (30) 620.
displacement—	intration and purification, (31) 383.
in soils, apparatus for measuring, (33) 420. of plant nutrients by, (27) 525; (29) 218.	finder, automatic, (31) 813. finder, automatic, tests, (35) 256.
distillation for water culture experiments, (38)	flood, storage for irrigation, (30) 688.
26. distilled	flow—
carbonation (39) 801.	formulas and tables for, (35) 490.
effect on lupines, (30) 825. effect on plants. (31) 730; (32) 627; (31) 825.	in artificial channels, (29) 181. drainage canals, (36) 585.
effect on plants, (31) 730; (32) 627; (31) 825.	irrigation channels, (33) 183; (35) 185. lined canals, (36) 282.
toxicity, (34) 827. distilling apparatus, (39) 804.	nietal flumes, (36) 682.
distribution in nutter, (30) 877.	open channels, (36) 184, 783.
dog or western newt, rôle in mosquite control, (39) 660.	open channels, formula for, (33) 777. open channels, measuring, (32) 588. pipes, (29) 891; (30) 786; (36) 681, 783.
drainage, investigations, (26) 619.	pipes. (29) 891; (30) 786; (36) 681, 783.
drainage, loss of fertilizer constituents in, (27)	wood-stave pipes, (36) 281.
519. drinking	into open wells, (36) 87.
analyses. (32) 357, 456.	over sharp-edged notches and weirs, (35) 886.
as source of disease, (38) 298.	over weirs, (33) 481; (36) 282. through orifices and tubes, (36) 488.
chemistry of, (33) 683. course of in stomach and intestine of horses,	through ornices and tubes, (36) 488. through submerged rectangular orifices,
(30) 673.	(37) 281.
effect on body temperature, (26) 466.	through V-notch weirs, (37) 693.
effect on digestibility of solid substances, (33) 462.	flowing, measurement, (35) 786. for agricultural and technical purposes, (28) 416.
effect on direction in horses, (20) 672.	for drinking and cooking purposes on snips,
examination, (28) 500.	(32) 64.
examination and judgment, (30) 714. filtration, (33) 883.	for livestock and irrigation, (32) 883. forcing plants with, (28) 837.
heating for cows. (28) 175.	from deep wells, bacteria in, (38) 488.
judging, (33) 90. methods of examination, (36) 362.	from sphagnum bogs, (35) 579. from sphagnum bogs, toxicity, (36) 320.
microscopy, (32) 205.	gas thr as a coating for concrete, (34) 889.
microscopy, (32) 205. need of careful regulation, (30) 169.	gas tar distillates as wood preservatives, (27)
passage through the stomach, (31) 408.	314. glass as an egg preservative. (28) 359: (29) 875.
sterilization, (39) 80; (40) 414.	glass as an egg preservative, (28) 359; (29) 875. grass hay, analyses, (27) 570. grass hay, nutritive value, (27) 569.
studies, (26) 360, 566; (27) 163, 465; (29) 267;	
passage through the stomach, (31) 408. purification, (37) 488, sterilization, (39) 80; (40) 414. studies, (28) 360, 566; (27) 168, 465; (20) 267; (30) 765, 700, 866; (32) 603; (34) 763, 862; (40) 766.	ground— and wells, textbook, (30) 620.
duty 01, (20) 404, 000, (20) 100, 100, 021, (01) 001,	bibliography, (40) 785.
(34) 282.	hibliography, (40) 785. chlorin content, (31) 813.
duty of— in Idaha, (26) 27	factors affecting level, (30) 211. for irrigation in Morgan Hill area, (36) 885.
in Idaho, (26) 27. in irrigation, (29) 588; (30) 687; (34) 883; (35) 82; (37) 185, 281; (38) 186. in orchard irrigation, (31) 782. investigations, (33) 582.	in Australia, (39) 86.
(35) 82; (37) 185, 281; (38) 186.	Connecticut, (35) 387. Hamburg, (32) 122.
investigations. (33) 583.	LaSalle and McMullen counties, Texas,
investigations, (33) 583. meaning, (27) 788. economy of dry-land crops, (27) 531.	(34) 786. Now Mexico, (40) 785.
economy of the earth, (32) 84.	Oniney Valley (40) 484
effect on-	Quincy Valley, (40) 484. Reose River Basin region, (40) 484. Rio Grande and Socorro Valleys, (38)
beet pulp, (27) 210.	Rio Grande and Socorro Valleys, (38) 690.
composition of wheat, (37) 38. crop yields, (30) 135.	southeastorn Novada, (36) 485.
denitrification in soils, (29) 817.	valley of southern California, (32) 587.
development of grass and forage plants.	movements, (30) 289; (40) 187. near Cairo, Egypt, (32) 123. near Enid, Oklahoma, (32) 383. near Oklahoma City, Oklahoma, (32) 384.
(31) 524. digestion of solid substances, (31) 264. digestive efficiency of saliva, (20) 267.	near Enid, Oklahoma, (32) 383.
digestive efficiency of saliva, (20) 267.	near Oklahoma City, Oklahoma, (32) 381.
digestive efficiency of saliva, (29) 267. gastric secretion, (26) 466. germination of pine seeds, (27) 243. lead, (31) 512; (33) 778.	observations on level, (27) 317. observations on level, (27) 317. pollution of, (31) 216. pumping for irrigation, (30) 385. relation to forests, (20) 240. relation to rainfull, (33) 322. seepage and flow, (38) 288. studies, (20) 137.
lead, (31) 512; (33) 778.	pumping for irrigation, (30) 385.
merogen changes in sous, (30) of 3.	relation to forests, (20) 240.
root development of cereals, (30) 136. soil bacteria, (35) 814.	seepage and flow, (38) 288.
strength of concrete, (29) 487; (37) 490.	studies, (29) 137. treatise, (32) 685. use for irrigation, (35) 787; (37) 185.
sugar beets, (27) 837. yield in pot experiments, (29) 514.	use for irrigation, (35) 787; (37) 185.
ZIRC DIDES, (31) 189.	growth of tree roots in, (30) 45.
elevator, automatic, description, (31) 292. elimination during normal respiration, (32) 764.	hard—
elimination during normal respiration, (32) 704. elimination from skin and respiratory passages,	disadvantages, (39) 292. effect on bread, (26) 761.
(37) 207.	softening, (39) 687. taste of, (30) 714.
elm, culture for wild ducks, (33) 251. evaporation, (28) 219.	taste of, (30) 714.
evaporation—	use for drinking, (27) 511, 512, use in tea making, (29) 566. hardness and color in relation to health, (34)
by corn. (29) 525.	hardness and color in relation to health, (34)
formula, (37) 882. from soils, (30) 321; (32) 815; (36) 421.	683. hardness, determination, (31) 502; (35) 110, 805.
tests, equipment for, (20) 814.	heat of absorption in wood, (29) 135.
examination, (26) 69, 060.	heater for dairies. (32) 590.

52831-26†---40

```
Water-Continued.
Water-Continued.
                                                                                                                                                                                                                                                                                                                                  level—continued.
relation to barometric pressure, (39) 17.
                  hemlock—
chemistry and toxicology, (34) 185.
description, (32) 474.
fatal poisoning by, (33) 867.
notes, (32) 778.
poisoning by, (37) 96.
stock poisoning by, (39) 787.
toxicity, (29) 111; (30) 880.
hot, as fungicide, (32) 147; (31) 213; (35) 352, 353.
hot, as insecticide, (32) 447; (31) 50, 243; (40) 162
hot, effect on germination of seeds, (29) 740.
hot, use against cotton anthracenese, (32) 543.
household tests for, (31) 462.
                    hemlock-
                                                                                                                                                                                                                                                                                                                                                         relation to rainfall and soil texture, (33) 806
                                                                                                                                                                                                                                                                                                                                 variations, (35) 813.
levels, adjacent, regulating, (33) 586.
levels, method of determining, (26, 417.
lity, banana, as a duck food, (30) 545.
lime-softened, effect on enzym action, (31) 204.
                                                                                                                                                                                                                                                                                                                                                        from canals by scepage, (36) 585,
in 11 ligation systems, (31) 782,
of head in 90° pape bends, (35) 186,
of head in strainers, orifices, and sand, (35)
786.
                  hot, use against cetton anthrnenose, (household tests for, (31) 482. hyacinth as source of potash, (40) 347. hyacinth, eradicution, (32) 45. hyacinth, fertilizing value, (39) 523. hygiene, handbook, (36) 586. hydroscopic, of soils, (26) 218. in animal organs, (20) 767. in meat products, (34) 365. ingestion—
                                                                                                                                                                                                                                                                                                                                  through evaporation, percolation, and
absorption, (30) 418.
measurement, (30) 887; (10) 187, 188, 785.
                                                                                                                                                                                                                                                                                                                                    measurement .
                                                                                                                                                                                                                                                                                                                                                         and division, (27) 188.
for irrigation, (29) 683; (31) 782.
hook gage for, description, (36) 783.
           ingestion —
after prolonged fast, influence of, (26) 360.
after to allantoin output, (27) 168.
effect on allantoin output, (27) 168.
effect on fatty changes of liver in fasting rubbits, (30) 262.
effect on metabolism, (28) 866.
affect on protein metabolism, (32) 663.
inspection in Argentina, (26) 762.
inspection in California, (30) 558.
irrigation —
                     ingestion -
                                                                                                                                                                                                                                                                                                                                 measuring—devices, (33) 682. devices, (eds., (32) 683. flow, bibliography, (40) 785. mechanically filtered, characteristics, (34) 483. metabolic, production and role, (27) 201. meteoric, of antarctic region, studies, (30) 818. meter, Dethindge, description, (34) 682. meter, Ventun, abnormal coefficients of, (35) 886. meters, tentuc, (30) 386. meters, tests, (32) 684. meters, tests, (32) 684. methods of analysis, (29) 408, 412, 797; (30) 13; (31) 502, 785, 806; (37) 187, 311, 711. methods of evanimation, (35) 287; (36) 15; (39) 13.
                                                                                                                                                                                                                                                                                                                                    measuring -
                                      pection in California, (30) 558. gation—
alkali content, (36) 487.
analyses, (34) 512.
application. (37) 281.
chart for calculating deliveries, (26) 758.
composition and action, (28) 637.
computing for sugar cane, (31) 383.
conservation, (30) 687; (37) 238.
conservation, (30) 687; (37) 238.
conservation and distribution, (30) 385.
cost per acre, (29) 486.
distribution, (20) 684; (32) 586; (36) 887;
(37) 281, 888.
diversion from Arizona streams, (31) 89.
duty of, see Water, duty of.
economical use, (34) 282 (37) 84.
effect on soil bacteria, (37) 421.
forceasting supply, (38) 416.
from potassium chlorid works, (34) 328.
from vicinity of industrial works, (33) 588.
in upper Italy, (37) 586.
measurement, (27) 686, (28) 83, 484; (33)
682, 886; (34) 388, 881; (35) 185, 286, 490,
684; (37) 282, 484, 586, 882, 883; (38) 186;
(40) 785.
measurement and distribution, (27) 585.
measurement and distribution, (27) 585.
                     irrigation
                                                                                                                                                                                                                                                                                                                                                 13.
                                                                                                                                                                                                                                                                                                                                     methods of sampling, (29) 814.
microorganisms in, (26) 372.
                                                                                                                                                                                                                                                                                                                                     mineral --
nalyses, (26) 515, 614; (29) 866; (31) 316;
(38) 690.
and potable, analyses, (34) 643; (39) 493.
content as affecting canned goods, (34) 67.
of Illinois, classification, (29) 617.
of Iowa, (28) 316.
moor, destruction of concrete by, (31) 290.
movement in—
accrated soils, (38) 321.
                                                                                                                                                                                                                                                                                                                                     novément in—

aerated soils, (38) 321.
gumbo soils, (36) 210.
irrigated soils, (27) 819.
leaves, (28) 522.
peat, (33) 322.
plants, (30) 202; (32) 221; (35) 432.
soils, (26) 619; (27) 500; (28) 219, 622; (29) 620; (34) 215; (37) 116, 623, 803.
nucl-laden, uso in drilling wolls, (34) 881.
needs of body in relation to salivary glands, (40) 767.
                      084; (37) 282, 489, 586, 882, 883; (38) 186; (40) 785.

measurement and distribution, (27) 585.

measurement terms, (28) 186.

measurement terms, (28) 186.

measurement terms, (28) 185.

methods of applying, (28) 135.

notes, (32) 883.

of high Alps, analyses, (34) 85.

of south coast of Porto Rice, (33) 121.

of Utah, composition, (33) 792.

overflow hasins for, (29) 485.

pumping, (32) 187; (37) 281.

pumping costs, (38) 589.

pumping with oil engines, (33) 688.

seasonal duty of, (28) 889.

storage, (27) 787; (30) 688.

temperature as affecting citrus seedlings, (34) 235.

textbook, (34) 481, 482.

use, (40) 187, 386.

use in Idaho, (35) 186.

use of sulphuric acid in, (20) 330.

wood pipe for, (32) 585.

iudging, (31) 502.

iudging, (31) 502.

iudgment, (34) 389.

leeches, transmission of rinderpest by, (33) 876.

lermons, cold storage of, (32) 439.

level—

se affected by numping from shallow well-
                                                                                                                                                                                                                                                                                                                                                  767.
                                                                                                                                                                                                                                                                                                                                        nitrite content, (20) 407.
nitrogen content, relation to plant growth, (39)
                                                                                                                                                                                                                                                                                                                                       nitrogen-fixing bacteria in, (38) 419.
of Argentina, analyses, (37) 663.
Egypt, papers on, (28) 416.
Hilinois, analyses, (29) 617.
Neva drainage basin, (28) 621.
New South Wales, analyses, (29) 621.
Ouenes of Buenos Aires, (35) 28.
Quebee, analyses, (38) 24.
Queensland, analyses, (35) 287.
organisms, factors affecting growth, (32) 222.
oxygenated, offect on germination of scods, (36) 29.
                                                                                                                                                                                                                                                                                                                                        oxygen-consuming power, (38) 789.
pathogenic organisms in, dotoction, (38) 188.
percolation and retention in soils, (34) 216.
percolation in soils, (34) 721.
pipes, hot and cold, bursting, (37) 592.
pipes, loss of head in, due to bend, (31) 384.
pollutod—
                                                                                                                                                                                                                                                                                                                                                                 sterilization and utilization, (35) 288.
                                                as affected by pumping from shallow well,
                                               as anected by pumping from subserve wear, (38) 388.
effect on cultivated plants, (26) 620.
effect on root and shoot development in plants, (32) 330.
effect on yield of cotton, (31) 229, 230.
in Gangetic plain, (34) 586.
in wells, relation to rainfall, (34) 319.
near a tidal river, (40) 187.
                                                                                                                                                                                                                                                                                                                                                                  treatment, (35) 187.
                                                                                                                                                                                                                                                                                                                                           pollution
                                                                                                                                                                                                                                                                                                                                                               uuton—
and sanitary conditions of Potomac water-
shed, (35) 286.
control in Austria, (37) 529.
effect on fish, (29) 315; (30) 319.
sources of, (35) 787,
test for, (37) 587.
```

war to go the and	THE ASSESSMENT OF THE SECOND S
Water—Continued. potability, determination, (38) 890.	Water—Continued.
potable—	resources—continued. of Hawaii, (29) 511.
analyses, (38) 690.	Minnesota, (26) 418, 811.
disinfection, (27) 512. nitrates in, (36) 889.	North Carolina coastal plain, (29) 722.
nitrates in, (36) 889.	Oregon, (26) 214; (29) 486.
phototransparency of, (28) 317. removing taste due to algae, (38) 691.	Penobscot River Basin, (27) 116. south-central Washington, (29) 15.
sterilization, (26) 716.	Sulphur Spring Valley, Arizona, (30) 18.
power—	Sulphur Spring Valley, Arizona, (30) 18. Virginia coastal plain, (20) 511, 513.
at Great Falls, Potomac River, (29) 616.	western Australia, development, (30) 587.
cooperation in, (27) 888. development, (36) 783.	retaining in soils, (27) 619.
nower develorment—	review of investigations, (28) 214; (29) 811; (31)
power, development— in California, (29) 386.	716.
in Oregon, (33) 888.	rights—
in Oregon, (33) 888. in Wisconsin, (20) 812.	hibliography, (32) 588. law, treatise, (31) 586, 587.
law in Oregon, (31) 587.	law, treatise, (31) 586, 587.
power—	laws in Idaho, (36) 384. laws in Utah, (40) 483.
engineering, treatise, (35) 786. for farms and country homes, (26) 790.	rôle in —
in Alabania, (36) 885; (37) 84.	dairy cow's ration, (38) 374.
Cascado Range, (29) 84. Crooked River basın, (35) 385.	macadam road construction, (30) 788.
Crooked River basin, (35) 385.	plant growth, (27) 128, 330; (28) 420; (31) 221. sugar hydrolysis, (30) 411.
North Carolina, (21) 15.	saline, in London Basin, (27) 16.
northern Indiana, (29) 616.	Salton, bacteria in, (30) 431.
Queensland, (27) 686. Silver Lake region, Oregon, (35) 285.	Salton Sea
south-central Alaska, (34) 786.	analyses, (27) 508; (32) 511; (33) 19.
the Alps, (31) 80.	bacterial action, (33) 427. effect on vegetable tissues, (33) 427.
Yakinia River basin, (34) 884.	studies, (20) 415: (33) 221.
laws in Nebraska, (30) 486. on farms, (31) 84.	studies, (29) 415; (33) 221. sanitation, treatise, (33) 258.
pipe lines for, (30) 188.	sea, cirect on plant distribution, (27) 527.
moject in Oregon, (36) 184	seepage, of cranberry bogs, (31) 718.
regulation and conservation in United States, (27) 188.	scepage, ownership and disposal, (33) 486. sewage, methods of analysis, (31) 502.
States, (27) 188.	sewage, utilization, (33) 486.
resources in United States, (36) 484. State administration and control, (40) 688.	soft, hygionic value, (27) 512.
wooden flumes for, (36) 586.	softening for kerosene emulsion, (27) 357.
problem in Ohio, (35) 83. public, laws in Idaho, (36) 384.	softening, zeolite process, (40) 588.
public, laws in Idaho, (36) 384.	soil, oxygen content, (27) 121. solids and organic matter in, (30) 620.
pumping by windmills, (33) 391. purification, (29) 210, 315, 474; (30) 318, 620; (32) 57; (33) 176, 883; (36) 153; (37) 488, 588, 694, 787, 884; (38) 188, 288, 489; (40) 785.	soluble B -
87: (33) 176, 883: (36) 183: (37) 488, 588, 694.	formation in animal body, (36) 62.
787, 884; (38) 188, 288, 489; (40) 785.	in corn and wheat, (38) 869.
purmeation—	isolation and identification, (38) 503.
algae of submerged sand filters in, (36) 87.	studies, (38) 612. sphagnum bog, Loueity, (37) 27. spring, radioctivity, (34) 332; (35) 187. spring tall, biology, (32) 552.
and sewage disposal, treatise, (30) 511. and use, treatise, (28) 514.	spring, radioactivity, (34) 332; (35) 187.
by aluminum sulphate, (35) 388.	spring tail, biology, (32) 552.
chlorid of lime, (29) 512.	SUTINZACION
chlorid of lime, (29) 512. Infusoriu, (27) 317.	by filtration, (31) 512. by lime, (29) 814; (34) 286.
liquid chlorin and hypochlorite of lime,	hy Schimann rays, (31) 683.
(37) 588. ultraviolet rays, (37) 588.	by ultraviolet rays, (26) 28; (27) 317; (28) 214, 317, 416, 514; (29) 415; (30) 419, 816. "excess lime" method, (28) 317.
colloids in, (31) 616.	214, 317, 416, 514; (29) 415; (30) 419, 816.
colloids in, (31) 616. for household use, (20) 815.	etroritoggal in 1960 490
hypochlorite process, (32) 786.	streptococci in, (36) 489. subsoil -
Diants, treatise, (34) 300.	effect on cotton crop of India, (26) 417.
hypochlorite process, (32) 786. plants, treatise, (34) 390. progress in, (28) 317. treatise, (26) 28.	flow, (27) 20.
with calcium hypochlorite, (36) 889, with copper sulphate, (39) 27.	movement in Upper Egypt, (26) 27
with copper sulphate, (39) 27.	of United States, (27) 511; (28) 511
purifiers, ozone, description, (30) 789.	subterranean, treatise, (29) 15. supplies of Colorado, (27) 291.
purifying, (26) 214. radioactivity of, treatise, (33) 809.	supplies, rural, pollution, (27) 512.
rain, see Rain.	supplies, rural, treatise, (40) 785.
reduction of alkalinity due to filtration, (34)	supply— as affected by forests, (29) 842; (33) 587.
483.	automatic, for dairy stock, (35) 189.
relation to notate late blight (27) 544	Bacillus coli communis in, (31) 718.
relation to health, (40) 866, relation to potato late blight, (27) 544, relation to typhoid fever, (28) 258, removal of lead from, (34) 390, removal of member town, (23) 484	bacteriology and chemistry of, (34) 84.
removal of lead from, (34) 390.	bibliography, (33) 89, 882.
romovar or micropos mon, (33) dar.	contamination, (30) 620.
requirements of—	for creameries. (29) 474.
erops. (28) 321, 537; (30) 34; (32) 226; (34) 720.	for farms, (28) 188, 289, 487, 717, 789; (29) 210,
corn, (27) 432. corps, (28) 321, 537; (30) 34; (32) 226; (34) 720. crops in India, (27) 429, grain sorphums, (32) 335.	696, 722; (30) 89, 294, 690; (31) 291, 292; (32)
grain sorghums, (32) 335.	87, 190, 281, 487; (33) 289, 779, 784; (34) 83,
infants, (29) 62. oats, (32) 813.	contammation, (30) 620. cifect on ulfalfa, (31) 620. cifect on ulfalfa, (31) 620. for creameries, (28) 474. for farms, (28) 188, 289, 487, 717, 789; (20) 210, 666, 722; (30) 89, 294, 690; (31) 291, 292; (32) 87, 190, 281, 487; (33) 289, 779, 784; (34) 83, 84, 185, 286, 586, 790; (35) 587, 787; (36) 86, 284, 390, 687, 891; (38) 188, 391. for milk plants, (36) 774. for rural schools, (37) 696.
Panicum spn. (39) 797	for milk plants, (36) 774.
Panicum spp., (32) 727. plants, (26) 128; (29) 825; (31) 327, 729; (32) 127; (34) 306, 521, 522.	for rural schools, (37) 696. forecasting, (20) 812; (34) 308.
127; (34) 306, 521, 522.	forecasting, (20) 812; (34) 308.
pathe in glycogen solutions, (31) 620.	ground, developing for private use, (34) 683.
reserves in plants, function, (32) 825.	hyrochlorite treatment. (33) 588.
bibliography, (27) 116	in railway stations and trains, (32) 456.
bibliography, (27) 116. of California, (29) 386; (30) 599.	ground, developing for private use, (34) 683. hot, for private houses, (31) 189. hypochlorite treatment, (33) 588. in railway stations and trains, (32) 456. in rural districts, (30) 390.

Water-Continued.	Water-Continued.
arranlar-aon tin 170d	sunniv-continued.
in villages, manual, (38) 488.	of Philippines (33) 587: (34) 389
in villages, manual, (38) 488. law in Oregon, (31) 587. lead poisoning through, (30) 418.	of Pennsylvania, (34) 785. Philippines, (33) 587; (34) 389. Pit River bism, (35) 285. primitive people, (27) 617.
monograph, (31) 416. moorland, filtration, (31) 512.	primitive people, (27) 617. Rio Grande basin, (33) 391.
mycology of, (30) 418.	Rogue and Willamette river valleys, (36)
mycology of, (30) 418. of Alaska, (31) 360.	282.
A 115T19119. (31) 180.	rural and small urban areas, (35) 157.
Big Smoky, Clayton, and Alkali Spring Valleys, Nevada, (37) 481. Big Smoky Valley, Nevada, (33) 778.	rural district of Atherstone, (32) 57. Russian Turkestan, (31) 812.
Big Smoky Valley, Nevada, (33) 778.	Russum Turkestan, (31) 812. Sabino Canyon, Artz., (32) 586. Sacramento Valley, Calif., (33) 186.
Bombay, (35) 578. Boxelder and Toocle counties, Utah, (30)	Sacramento Valley, Calif., (33) 186. San Joseph Valley, Calif., (35) 186.
18.	San Joaquin Valley, Calif., (35) 186. San Simon Valley, Arizona and Now
British Columbia, (30) 287.	Mexico, (37) 155. Seward Pennsula, Alaska, (29) 210.
(35) 82; (37) 486, 585.	Snake River basin, (33) 880; (35) 787; (36)
California, (26) 317; (28) 117, 317, 617, 618; (35) 82; (37) 486, 685. canning lactories, (32) 64. cities, analyses, (28) 618.	86.
Coastal Plain of Georgia, (32) 781.	South Atlantic and eastern Gulf of Mexico
Coastal Plain of Georgia, (32) 781. Colorado River basin, (26) 27; (28) 116;	basins, (27) 116; (30) 17; (31) 118; (32) 382; (34) 84; (36) 86; (38) 488.
(31) 118; (32) 279; (33) 89; (34) 683; (38) 84. Columbia River basin, (33) 484, 880. cranberry boss, (39) 703. Denver, (37) 286.	SOUTH AUSTRIA, (50) 211,
cranberry bogs, (39) 793.	southern California, (30) 688, southwestern Ohio, (28) 617.
Deschutes River basin, (32) 279.	southwestern Ohio, (28) 617. St. Lawrence River basin, (28) 116, 317; (31) 22; (32) 382; (33) 187; (35) 578; (38) 81,
Deschutes River basin, (32) 279. District of Columbia, (29) 616.	(31) 22; (32) 382; (33) 187; (35) 578; (38) 81, 500.
Dutch India, (31) 288. Fargo, North Dakota, (37) 488. Florida, (30) 17, 119.	
Florida, (30) 17, 119.	Sulphur Spring Valley, Ariz., (35) 83. Texas, (31) 244, 489.
Great Basin, (28) 116, 618; (32) 587; (33)	Tularosa basin, New Mexico, (32) 784.
Great Basin, (28) 116, 618; (32) 587; (33) 89; (35) 578; (38) 81. Hawaii, (31) 616; (34) 281; (38) 590, 890;	Tunis, (31) 287. United States, (40) 290, 291. United States, relation to food production and population. (20) 715.
(40) 291.	United States, relation to food production
Hawailan rural districts, (37) 187. Hudson Bay and Upper Mississippi River Basin, (27) 116; (29) 511; (32) 382;	and population, (26) 715. upper Columbia River Basin, (39) 793.
River Basin, (27) 116; (29) 511; (32) 382;	upper Mississippi River basin, (34) 284,
(37) 84. Hudson Bay busins, (31) 512: (34) 284, 683	683. upper Silverbow basin, (32) 383.
(37) 84. Hudson Bay busins, (31) 512; (34) 284, 683. Illinois, (31) 813; (35) 284. Imperial Valley, Calif., (26) 482. Indiana, (27) 817; (32) 280, 487; (35) 83; (37) 883.	upper Silverbow basin, (32) 343. Utah, (37) 791. Vermont, (38) 660. Vlotoria, (28) 683; (30) 887; (34) 682; (35) 385; (30) 682. Washington, (31) 616. Waterbury area, Connecticut, (34) 683. Wayne County, Michigan, (31) 511. west Florida, (20) 315. Western Australia, (35) 480. western Culf of Medico basins, (20) 418; (20) 511; (31) 512; (33) 84, 391; (34) 389; (38) 84, 188. Wichita region, Kansas, (31) 88.
Imperial Valley, Calif., (26) 482. Indiana (27) 817: (32) 280 487: (35) 83:	Victoria, (28) 683; (30) 887; (34) 682; (35)
(37) 883.	385; (36) 682.
Iowa, (28) 316; (33) 187. island of Antiguu, (33) 881, 882.	Waterbury area, Connecticut, (34) 683.
Jervois and adjacent counties, South	Wayne County, Michigan, (31) 511.
Australia, (32) 486.	West Florida, (29) 315. Western Australia (25) 480
Jervois and adjacent counties, South Australia, (32) 486. Lodgepole Vailey, (38) 187. lower Columbia River and Pacific drain-	western Gulf of Mexico basins, (26) 418;
nge basins in Oregon, (37) 304.	(29) 511; (31) 512; (33) 89, 391; (34) 389;
lower Columbia River and Rogue, Ump- ous and Siletz rivers, (32) 587.	Wichita region, Runsas, (31) 88. Wisconsin, (35) 387. Yukon River, (32) 382.
lower Mississippi basin, (26) 418; (32) 383;	Wisconsin, (35) 387.
(33) 89, 391; (35) 578; (36) 880; (38) 890. Marsaille, (27) 16.	Yukon-Tanana racion Aluska (33) 287
qua and Siletz rivers, (32) 587. lower Mississippi hasin, (26) 448; (32) 383; (33) 89, 391; (35) 578; (36) 885; (38) 890. Morseille, (27) 16. Massachusetts, (34) 683; (36) 484. Mississippi River basin, (31) 512. Missouri River basin, (26) 448, 545; (31)	Yukon-Tanana region, Alusku, (33) 287. on relivay trains, (30) 863.
Missouri River basin, (31) 512. Missouri River basin, (26) 418, 515; (31)	pipe lines lar. (30) 188. predicting. (27) 415.
117; (32) 279; (33) 89, 391; (37) 84; (38)	profile surveys in Oregon, (31) 84, 284.
789.	pipe lines for, (30) 188. predicting, (27) 415. profile surveys in Oragon, (31) 84, 284. profile surveys in Washington, (34) 84, 284. protection, (34) 700. relution to forests, (28) 842. relution to rainfall, (34) 510. relution to rainfall, (34) 510.
(34) 284; (36) 485.	relation to forests, (28) 842.
New Mexico, (28) 618; (33) 288; (35)	relation to rainfall, (34) 510.
New South Wales, (20) 785.	small, treatise, (28) 214, 893.
Navajo and Hopi Indian reservations, (34) 284; (36) 485. New Mexico, (28) 618; (33) 288; (35) 579; (37) 384; (38) 690. New South Wales, (20) 785. New York State, (31) 214. Niles cone and adjacent areas, Calif., (23) 167.	rolation to typinoid fever, (30) 319, small, treatise, (28) 214, 803. system, description, (35) 496, treatise, (31) 333, 511, 512; (32) 87; (33) 287,
	586; (34) 83; (37) 187.
North Atlantic coast, (26) 27; (28) 317; (31) 511; (32) 381; (34) 483; (36) 184; (37) 585; (38) 890.	underground, development, (29) 512.
(31) 511; (32) 381; (34) 483; (36) 184; (37) 585; (38) 890.	wood pipe for, (36) 87. supplying continuously to plants, (37) 325, 543.
North Pacine const, (26) 27; (29) 511;	surface, colon bacilli in, (36) 284.
(32) 587; (34) 881. northeastern Arkunsas, (35) 579.	Surface, for drinking thirposes, (32) 786.
Ohio, (35) 83.	surfaces, evaporation from, (26) 417, 614; (29) 225; (30) 118, 713; (37) 785. survey of Illinois, (20) 617.
Ohio, (35) 83, Ohio River basin, (28) 317; (30) 18; (31) 511; (32) 382; (33) 187; (35) 387; (37) 585, Oregon, (32) 280; (33) 881; (34) 284; (35)	Survey of Illinois, (20) 617.
Oregon, (32) 280; (33) 881; (34) 284; (35)	system for farm homes, (40) 91, 789, system, pneumatic, notes, (30) 489, systems, notes, (31) 185.
489. Pacific basins in Washington and upper	systems, notes, (31) 185.
Columbia River basin, (36) 282, 582.	table fluctuations in northern Europe, (31) 316- tank and silo combined, construction, (30) 489-
Pacific coast in California, (28) 116; (32) 587; (36) 484; (37) 84; (40) 785.	tank and silo combined, construction, (30) 489. transpiration in leaves, (29) 217. transportation of agricultural products, (32) 391.
Pacific slope hasins in Washington, (33)	transportation of debris by. (31) 888.
484; (39) 793. pampas of Argentina, (36) 886.	treatise, (28) 27.
Paradise Valley, Arizona, (33) 484.	treatise, (28) 27. troughs, open, spread of glanders by, (26) 782. turbidity, (37) 486.

Witten Continued	177. 4
Water—Continued.	Waterways—
in Big Smoky Valley, Nevada, (33) 778.	artificial, frictional resistance in, (30) 885. papers on, (29) 291.
eastern Kansas, (32) 186. Queensland, (27) 686.	Waterworks—
Queensland, (27) 686.	construction and management, (40) 715.
South Australia, (30) 211. locating, (35) 286; (36) 886. locating with divining rods, (33) 882.	design and construction, (29) 182.
locating, (35) 286; (36) 886.	handbook, (36) 87.
location (31) \$13	Wattle-
location, (31) 813. notes, (28) 27.	bagworm, notes, (29) 758.
of Iowa, (28) 316.	black, anatomy and distribution of tannin in ,
Luna Co., New Mexico, (32) 381.	(33) 523.
of Iowa, (28) 316. Lina Co., New Mexico, (32) 381. Medila Valley, New Mexico, (28) 889. north-central Texas, (29) 209. Oasis of Kharga, (20) 317.	disease in fowls, (31) 782. diseases, studies, (29) 45.
Oosis of Kharga (20) 203.	insect, investigations, (33) 856.
southeastern Texas coastal plain, (32) 384.	tanback industry m Natal, (37) 748.
Valley of Mexico, (26) 118.	Wattles of Australia, description, (36) 841.
pollution through rock fissures, (30) 19.	Waw-waw meal, analyses, (40) 173.
utilization in Egypt, (33) 188.	Wax -
use on irrigation projects, (40) 187. use on Yuma project, (40) 481.	candelilla, chemistry of, (26) 611.
vapor, analysis, apparatus for, (10) 111.	carnauba, methods of analysis, (28) 511. irom sugar cane, (39) 712.
vapor on clear days, notes, (26) 118. vapor, retention by plants, (29) 524.	Grecian, analyses, (30) 258.
vapor, retention by plants, (29) 524.	Greeiun, analyses, (30) 258. moth, life history, (20) 349. moth, life history and remedies, (32) 151. moth, notes, (28) 352. moth parasite, studies, (40) 359. moths destruction by cold. (40) 760.
viability of bacteria in, (38) 488.	moth, life history and remedies, (32) 151.
warm, forcing strawherries with, (31) 238. warm v. cold, for animals, (31) 367.	moth paracita studios (40) 250
waste, methods of analysis, (31) 502.	moths, destruction by cold. (40) 760
waste, of mines, piggenes, etc., (33) 684.	moths, destruction by cold, (40) 760. statistics in United States, (28) 390.
waste, of mines, piggenes, etc., (33) 684. weed, composition and use, (27) 727.	sugar-cune, notes, (26) 213. utilization, (35) 470. wastes, fertilizing value, (29) 129.
weed, culture for wild ducks, (33) 251.	utilization, (35) 470.
well, analyses, (27) 719,	wastes, lertilizing value, (29) 129.
well, of western India, (35) 187. well, relation to public health, (20) 512.	worm, fumigation, (40) 755.
wheel for irrigation in Philippines, (36) 185.	waxes— analyses, (35) 203.
wheels, testing, (35) 859. witches, notes, (32) 487.	chemical technology of, (29) 413.
witches, notes, (32) 487.	chemistry of, (31) 201.
zinc pipes for, (33) 188. Watercress—	determination of unsaponifiable matter in, (37)
culture, (33) 435.	805. hon-lhools (40) 804
culture for wild ducks, (33) 251.	handbook, (40) 804.
of polluted streams as a food, (32) 357.	melting point, determination, (36) 15. methods of analysis, (27) 205; (31) 806; (35) 205.
polluted, typhoid epidemic from, (30) 64.	of Dutch East Indies, (30) 697.
Waterfowl-	technical handbook, (39) 8.
at Swan Lake, Minnesota, (40) 55.	technology and analysis, treatise, (34) 507.
breeding grounds, (39) 400. lead poisoning in, (39) 687. mortality around Great Salt Lake, (33) 251;	treatise, (30) 310. Wensels, susceptibility to plugue, (26) 59.
mortality around Great Salt Lake, (33) 251;	
(39) 460.	Weather—see also Meteorological observations and Meteorology.
Watering-	abnormalities at Springfield, Missouri, (26) 614.
devices for livestock, (27) 186; (30) 380.	and climate, treatise, (28) 211.
devices for moorland pastures, (33) 188.	health, (33) 321.
places for livestock, (31) 366.	radiotransmission, (31) 615.
Watermelon—	radium emanation at Manila, (33) 717. sunspots, correlation, (27) 718.
anthroenose, studies, (35) 652; (40) 250, blossom-end blight, notes, (30) 537.	wheat yield in the Dakotas, (39) 210.
diseases and their treatment, (10) 52.	as affected by the moon, (29) 314; (33) 320.
diseases, notes, (37) 551.	as factor in dissemination of plant diseases, (35)
disenses, studies, (38) 645, leaf spot, notes, (35) 740.	47. at France Calif (20) 121
pink spot, notes, (31) 740.	at Fresno, Calif., (20) 121. at Los Angles, Calif., (27) 414.
seeds, analyses and use, (36) 611.	at Point Reyes, (29) 812.
stem-end rot, investigations, (35) 248.	Bureau-
wilt, relation to confaminated seed, (31) 53.	agricultural meteorology of, (33) 615.
Watermelons-	and the physician, (34) 509.
acidity, (32) 110; (37) 715.	and the war, (38) 210. Chinese, (35) 618.
critical period of growing season, (39) 811. culture experiments, (35) 341; (37) 742.	Division of Agricultural Meteorology, (34)
culture in Indlama, (38) 241.	601.
fertilizer experiments, (37) 742, 832.	exhibit at San Francisco, (31) 413.
reducing and nonreducing sugars in, (29) 503.	history and work of, (33) 717. instructions for cooperative observers, (33)
sugar content, (27) 705. Thielavia basicola on roots of. (33) 852.	118.
varieties, (34) 232; (37) 143.	instructions to observers, (34) 509,
water requirements, (32) 127.	observers in Utah, (27) 310.
Waters-	relation to cranberry industry, (27) 539.
of Colorado, alkalis in, (39) 323.	roport of chief, (27) 500; (20) 209; (31) 212; (32) 810; (35) 506; (36) 615; (38) 617. service, extension of, (36) 10.
New Mexico, analyses, (10) 785.	service, extension of, (36) 10.
Quincy Valley, analyses, (40) 485	service in California, (32) 509.
South Dakota, analyses. (40) 291.	terms used to designate storms, (34) 118.
New Mexico, analyses, (40) 785. Queensland, unalyses, (40) 314. Quincy Valley, analyses, (40) 485. South Dakota, analyses, (40) 201. Utah, analyses, (39) 792.	veckly forecasts by, (33) 100. cause of, (32) 25. charges as indicated by helps (34) 207
watersheds, protection in thwill, (33) 442.	changes as marcastro, (12) 201.
Waterspouts— at Tatoosh Island, Washington, (38) 812.	charts, daily, of northern and southern hemi-
at Tatoosn Island, Washington, (38) 812. notes, (32) 211.	spheres, (31) 213. continuous pictures of, (31) 615.
off Cape San Lucas, (34) 614.	cycle, notes, (26) 416
Waterway areas, determination, (31) 384.	daily, graphical method of showing, (36) 19.

Weather-Continued.	Weather-Continued.
effect on—	relation to—continued.
absorption of fertilizers by plants, (36) 510. crop production, (35) 496.	evaporation from soils and plants, (28) 212. farming, (35) 617, 618.
crop yields, (34) 115.	farming, (35) 617, 618. halos, (39) 511.
development and yield of millet, (38) 15. germination of seeds, (38) 15.	moon, (27) 509; (32) 316; (34) 509. ox w irbles, (26) 657.
grape Peronospora, (27) 547.	plant diseases, (31) 745
growth and maturity of soy beans, (29) 616. honey production, (37) 854.	potato dise ises, (26)-53. radioactive emanations, (10)-314.
mineral content of feeding stuffs, (33) 870.	soil formation, (34) 514
nitric and nitrous acids in rain, (34) 118.	sun spots, (38) 114.
nitrogen in rainfall and atmosphere, (38) 509.	wheat stalk disease, (30) 541. wheat yield, (38) 509.
oats, (27) 641.	Review, changes in, (31) 212.
plant diseases, (27) 848. quality of field crops, (26) 415.	review of investigations, (28) 214; (20) 811, (31) 716.
radium emanations in the air, (33) 211.	sayings, Arabic, (34) 413.
soils, (31) 214.	service in Asiatic Russia, (31) 615.
wheat yield in India, (40) 716, yield of corn, (31) 213, 229; (39) 418.	studies, (35) 808. treatise, (31) 19.
yield of polatoes, (33) 716.	types of in United States, (30) 814.
fallacies, notes, (31) 811. forecasting, (27) 413; (29) 120; (30) 510, 712, 713;	v. coal mine disasters, (32) 25. warnings, fire, (35) 419.
forecasting, (27) 413; (29) 120; (30) 510, 712, 713; (31) 19; (32) 210; (35) 505, 808; (36) 19, 811; (37)	wet and dry, persistence, (36) 18.
417, 619, 716; (40) 416. forecasting—	Weathering, effect on soil bacteria, (29) 221. Weaver birds of Sudan, (26) 855.
hibliography, (32) 316.	Weazels, relation to Rocky Mountain spotted fever,
minimum temperatures, (38) 209. treatise, (26) 513, 809; (29) 615.	(27) 479.
forecasts—	Webbia dipterocarpi n.g. and n.sp., description, (32) 658.
by laymen, (34) 414.	Weber, H. A., biographical sketch, (27) 398.
distribution by amateur wireless operators, (35) 506.	Websteriann costalis n.g. and n.sp., description, (35) 259.
for fruit growers, (27) 509.	Webworm—
in England, (27) 510. in forest fire prevention, (31) 213; (38) 317.	fall— notes (26) 753: (28) 155: (39) 256 359 763:
in Great Britain, (28) 116.	notes, (26) 753; (28) 155; (38) 256, 358, 762; (30) 761; (40) 259. on pecau, (38) 157; (39) 557. parasites, (27) 261. remedies, (25) 659.
long-time, in Russia, (27) 212. handbook, (26) 513; (27) 509; (34) 413. in Argentina, (37) 116.	on pecan, (38) 157; (39) 557.
in Argentinu, (37) 116.	parasites, (27) 201. remedies, (28) 659.
British Isles, (27) 316; (35) 318.	earden—
Florida. (27) 616.	notes, (29) 252. on alfalfa, (39) 865.
Germany in 1912, (28) 617.	remedles, (26) 250.
In Argentini, (87) 116. British Isles, (27) 316; (35) 318. California, (27) 316. Florida, (27) 316. Gormany in 1912, (28) 617. Iowa, (38) 416. Iowa in 1915, (36) 207. Obj. (21) 618.	Webworms, notes, (20) 252.
O11.0, (01) 010.	ashes, effect on tobacco soils, (36) 513.
San Joaquin Valley, (26) 214; (27) 115.	cutters, tests, (29) 186.
indexes, preparation, (40) 716. insurance, (36) 418.	diseases, notes, (36) 348. killers, manual, (29) 341.
insurance, (36) 418. manual, (27) 212.	law in Canada, (30) 744. law in Iowa, (31) 139.
map, daily, for southern Hemisphere, (31) 615. map, new, (31) 213. map, treatise, (36) 500. maps, notes, (29) 414.	law in 10wa, (31) 139. seeds—see also Seeds.
map, treatise, (36) 500.	buried, (30) 230; (40) 638. descriptions and classifications, (40) 39.
maps, notes, (20) 414. misconceptions concerning, (33) 210.	descriptions and classifications, (40) 39.
observers, cooperative, instructions for, (33) 118.	in Canadian red clover seed, (40) 627. feeding stuffs, (40) 637.
of Alberta, (29) 15, 85. Australia, (32) 118.	grass and clover, (40) 833. the soil, (40) 339. notes, (40) 443.
British Isles, (31) 214; (32) 419.	notes. (40) 443.
British Isles, (31) 214; (32) 419. Chicago, (32) 211. England and Wales, 1917, (40) 211.	protein comentand microchemical tests, (40)
Hertfordshire, (34) 320.	832. survival. (10) 738.
Iown, (33) 508.	Weeder harrow for dry farming, (28) 95.
Kansas, common fallacies, (40) 210. north Atlantic in August, 1914, (34) 118.	Weeds— alien, in Australia, (39) 842.
Ohio, (32) 717; (34) 118.	analyses and feeding value, (33) 70.
Ponnsylvania in 1682, (34) 414. Salt Lake City, (38) 319.	as affected by methods of husbandry, (83) 734. as source of putash, (37) 817.
Salt Lake City, (38) 319. San Diego, Calif., (31) 21.	classification, (35) 835.
Saskatchewan, (20) 85. Scotland, (35) 719. Scotland in 1913, (31) 316. United States, (32) 810; (33) 807.	collections for schools, (31) 509.
Scotland in 1913, (31) 316.	composition, (34) 39. control, (39) 443, 744, 834.
United States, (32) 810; (33) 807. Unner San Josephin watershed (29) 812; (30)	control, (39) 443, 744, 834. description, (37) 239.
Upper San Joaquin watershed, (29) 812; (30) 713.	description and eradication, (28) 836. destruction—
phenomena, medieval, (32) 418.	in lawns, (30) 146.
phenomena, notes, (30) 416. proverbs, (29) 414.	in rice fields, (26) 42. in wheat fields, (30) 441; (36) 534.
relation to—	with kainit, (29) 215; (35) 340.
agricultural instruction, (26) 94; (28) 414.	plumber's blowlamp, (32) 139; (33)
cotton ginned during certain period, (37)	sodium arsenite, (32) 730, 741.
cotton production in Texas, (33) 117.	sodium arsenite, (32) 730, 741. sprays, (26) 434; (32) 630.
crop diseases in Texas, (40) 154. crop growth, (28) 115.	sulplinte of ammonia, (29) 530. sulphuric acid, (33) 139.
crop growth, (28) 115. crop production, (38) 208.	dissemination, (29) 637.
crops, (37) 209. daily transpiration, (36) 225.	dissemination of fungi by, (28) 442. distribution by bullfinches, (28) 451.

SUBJECT INDEX

Weeds-Continued.	Woevils—Continued.
distribution in northwestern United States and	injurious—continued.
('anda, (26) 334.	to potatoes and yams, (38) 861. to wheat, (26) 352.
effect on— cereal crops, (38) 731.	of northeastern America, treatise, (36) 157.
nitric nitrogen accumulation in soils, (38)	studies, (37) 58.
814.	Weights-
roots of young forest trees, (33) 645.	and measures - (20) 266
ensiling, (29) 711. ensiling, (29) 711. ensiling, (29) 711. ensiling, (29) 711. ensiling, (29) 712. ensiling, (29) 433, 533, 538, 839; (27) 343; (28) 836, 838; (29) 433, 637, 736, 748; (30) 826, 637; (31) 38, 43, 139, 438, 532, 633, 738, 836; (32) 138, 793; (33) 139, 734; (34) 228, 736; (35) 835, 899; (36) 236, 339; (37) 220, 446, 332, 805; (38) 141, 632; (40) 328, 129, 536, 622, (38, 833.	inspection, (29) 266. inspection in Muine, (36) 467.
936 838: (20) 433 637, 736, 748: (30) 826, 837: (31)	inspection in Nevada, (33) 661.
38, 43, 139, 438, 532, 633, 738, 836; (32) 138, 793;	nspection in Nevada, (33) 661. law in Iowa, (26) 261.
(33) 139, 734; (34) 228, 736; (35) 835, 899; (36)	law in Nebraska, (31) 67.
236, 339; (37) 226, 446, 532, 895; (38) 141, 632;	law in Neyada, (30) 165.
(40) 328, 429, 536, 622, 638, 833.	law in Ohio, (33) 261, 662.
elidication montantantian comme, (a., 200,	conversion into metric system, (30) 697. Weir formulas, derivation, (36) 282.
fertilizer experiments, (31) 183.	Weir notches, flow of water through, (34) 88.
fertilizing value, (20) 320. germination and growth in shade, (31) 235.	Weirs -
growth as related to mineral soils in Denmark,	chart for, (31) 888.
(40) 832.	Cippoletti, end contractions in, (31) 782.
identification, (29) 637; (36) 511; (40) 833.	construction and use, (37) 882.
in Buzuluk Experiment Field, (33) 437.	discussion and use, (32) 684. flow of water over, (33) 481; (35) 886; (37) 693.
Now Zealand, (38) 743. poppy fields of Volhynia and Podolia, (35)	inverted, notes, (33) 288.
444.	irrigation, description, (34) 388.
Union of South Africa, (34) 241.	notes, (31) 383.
introduced into Imperial Valley, Calif., (31) 36.	portable, construction, (37) 486.
lessons on, (31) 394.	proportional flow, notes, (31) 784. proportional flow, tests, (34) 785.
manual, (32) 232.	steel adjusting length of cross. (29) 684
method for study, (37) 542. notes, (28) 148; (30) 632; (31) 438; (36) 534.	tests. (35) 386: (37) 586.
occurrence of barium in, (26) 432.	treatise, (35) 288.
occurrence of barium in, (26) 432. of arable lands, (29) 30; (30) 399. Argentine wheat fields, (40) 637.	proportional new, essis, (37) 737. steel, adjusting length of crest, (29) 684. tests, (35) 386; (37) 586. trentise, (35) 288. use, (33) 885.
Argentine wheat fields, (40) 637.	Well casings, corresion, (34) 483.
barley fields of European Russia, (32) 833.	Well equipment, notes, (30) 385.
Canada, notes, (27) 643. Cherson government, Russia, (26) 135.	wells— and ground water, textbook, (30) 620.
cultivated soils in Germany, (29) 337.	artesian, of Australia, (39) 86.
grassland, English, (39) 439.	boring, (34) 683.
grassland, English, (39) 439. Idaho, (26) 538.	boring in New South Wales, (20) 785. breathing, (34) 614; (35) 115. convoluted tube, for irrigation, (29) 485.
Indiana, treatise, (29) 144. Lowa, Minnesota, and Wisconsin, (35) 35.	breathing, (34) 614; (35) 115.
Towa, Minnesota, and Wisconsin, (35) 35.	doon boutario in (29) 489.
Kharsan Russia (27) 542	deep, bacteria in, (38) 488. drilling, use of unid-ladened water in, (34) 884.
Kentucky, (32) 337. Khorson, kussia, (37) 542. Maryland, (20) 333. Michigan, (27) 343; (36) 739. Minnecot (40) 320	drilling, 188 of Intid-Radend Water In, (34) 884. flow of water into, (36) 87. for irrigation, drilling, (32) 882. in Imperial Valley, (35) 82. of South Dakota, (40) 291. of United States, (28) 811. protection, (34) 790. pumping from, (40) 188. relation to public health, (20) 512. shallow—
Michigan, (27) 343; (36) 739.	for irrigation, drilling, (32) 882.
Minnesota, (40) 339. Montana, (35) 835.	in Imperial Valley, (35) 82.
Montans, (35) 835.	of South Dakota, (10) 291.
North Carolina, eradication and control, (38)	01 United States, (25) 511.
Novgorod, (37) 239.	pumping from. (40) 188.
Novgorod, (37) 239. Ontario, (27) 733. Sind, (39) 541.	relation to public health, (29) 512.
Sind, (39) 541.	DAZINA II
Switzerland, (38) 350.	concrete caisson curb for, (20) 484.
western Pennsylvania, (40) 536. Wisconsin report on (26) 538	developing, (32) 586. in Illinois, (28) 717. of Indiana, (29) 16.
Wisconsin, report on, (26) 538. on cultivated land in India, (39) 229.	of Indiana. (29) 16.
on cultivated marsh soils, (26) 538,	protection, (31) 813.
on cultivated marsh soils, (26) 538. parasitic, description, (20) 730. peculiarities and distribution, (26) 730.	use in land drainage, (34) 885.
peculiarities and distribution, (26) 739.	use in land drainage, (34) 885. Wenatchee River Busin, Washinton, hydrography,
preservation for school work, (31) 394. propagation, (26) 739.	(32) 780.
relation to—	West Indies Department of Agriculture, notes, (26)
cultivation of corn. (28) 233.	693.
drought, (31) 515. soil fertility, (34) 39. soils, (27) 29, 417; (29) 523.	West Virginia-
soil fertility, (34) 39.	Station, bulletin, (30) 94; (32) 890; (34) 197.
SOUS, (27) 29, 417; (29) 523.	Station, notes, (26) 191, 398, 696; (27) 199; (28)
root systems, (37) 542. study in schools, (26) 333; (35) 593.	Station, bulletin, (30) 94; (32) 899; (34) 197. Station, notes, (26) 194, 398, 896; (27) 199; (28) 398; (29) 600; (30) 300, 798; (31) 198; (32) 96, 498; (33) 400; (34) 98; (35) 98, 500; (36) 607; (37)
treatise. (31) 835.	198.
treatise, (31) 835, useful, (40) 832.	Station, publications, (36) 294; (40) 494.
utilization by lambs, (38) 672. variotics, (31) 133.	Station, report, (30) 94; (32) 796; (39) 196. University, notes, (26) 194, 696; (27) 199; (28)
water requirements, (29) 826.	University, notes, (26) 194, 696; (27) 199; (28)
Weevil-	398; (29) 197, 600; (30) 300, 708; (31) 198, 400, 709; (32) 95; (33) 400; (34) 98; (35) 98, 500, 900;
larvae, dung-bearing, notes, (34) 556.	(36) 697; (37) 198.
larvae, dung-bearing, notes, (34) 556. New York, studies, (40) 861. stalk borer, bird enemies of, (34) 849.	Western—
stalk borer, bird enemies of, (34) 849.	Australian Farm School, (31) 500.
W 66VIIS—	Canada Irrigation Association, (31) 88; (33) 780. pine beetle, notes, (20) 561; (32) 552.
and weevil products, use in food and medicine, (34) 361.	pune Deeme, notes, (26) 561; (32) 552.
attraction by water, (40) 855.	twig borer, notes, (30) 255. Western-wolths grass, culture experiments, (36) 735.
habits of, (35) 261.	Wethers-
in beans and peas, remedies, (38) 41.	cost of fattening, (29) 572.
in stored grain, (39) 558.	feeding experiments, (28) 468,
in stored grain, remedies, (33) 34.	metabolism experiments, (26) 469.
in Great Britain, (38) 364.	Whale— guano, analyses, (32) 32.
to fruit buds, (35) 363.	meal, analyses and digestibility, (28) 567.

```
Whale-Continued.
                                                                                                                                                                                                                                                                               Wheat—Continued.
                                                                                                                                                                                                                                                                                                  black foot disease, notes, (27) 748.
black stem rust, notes, (39) 851.
botanical notes, (30) 210.
                 meat, fertilizer from, (39) 524.
                 oil, hydrogenated, properties of, (34) 9.
                 oil industry, statistics, (39) 9.
Wheat
               neat—
Alaska and Stoner, or "Miracle," (35) 139.
analyses, (26) 43, 767, 873; (27) 461; (28) 463, 660; (29) 271; (30) 431, 565; (31) 65, 331, 431, 863, 864; (32) 252, 760, 862; (33) 160, 161, 568; (51) 760; (35) 8, 162, 367; (37) 38, 39 and barley hybrid, (34) 339; (37) 823.
clover following various crops, (10) 829.
grain mixtures, nutritive deficiences, (53)
                                                                                                                                                                                                                                                                                                                   n—amino actd in, (33) 665.
amilyses, (26) 72, 210, 266, 267, 363, 468, 568, 768, 770, 873; (27) 170, 169, 570, 670, 774, 872; (28) 265, 364, 464, 165, 572, 669; (29) 270, 367, 467, 666, 769; (30) 67, 68, 169, 566, 667, 562, 569, 663, 864; (31) 366, 467, 564, 569, 663, 864; (32) 169, 256, 667, 562; (33) 371, 568, 870; (32) 72, 169, 263, 371, 467, 566, 665, 767, (35) 373, 562, 867; (36) 167, 268, 687, 765; (37) 268, 471, 767; (38) 67, 368, 389, 572; (39) 167, 270, 370, 773; (40) 72, 470, 571, 665. chemists y of, (28) 17. composition and adulteration, (38) 712. determination of indigestible residue, (39) 502.
                                                                                                                                                                                                                                                                                                  bian
                its milling products, composition, (30) 257. its products, treatise, (78) 578. pea silage, acidity, (39) 578. peas as hay erop, (39) 733 rye, fet tile hybrid of, (30) 341. rye hybrid, description, (38) 735. rye hybrid, description, (38) 735. rye hybrid, satural, (34) 230. spelt, hybridisation, (38) 636; (10) 524. anomaly of anthers, (40) 39. antineuritic vitamins in, (38) 581. aphis, western, studies, (35) 757. as affected by—
                                                                                                                                                                                                                                                                                                determination of smut spores in, (27) 310. digestibility, (37) 678. digestible nutrients, (28) 171. distribution of nitrogen in, (30) 269. energy value, (31) 72. extract, effect on growth of rats, (34) 258. feeding value, (39) 783, 784; (40) 670, 672. feetilizing value, (30) 780. for steers, (29) 272. in animal nutrition, (31) 762. inosite phosphoric sedds of, (34) 11. organic phosphorus compounds of, (28) 505; (32) 17; (33) 11, 464, 802. phosphorus compounds in, (29) 804. phytic acid in, (30) 767. value in food, (28) 256. broad, as affected by organic acids, (27) 462. broad, receipes, (37) 364. broad, use of potato flour in, (20) 156. bread-anaking—
                                                                                                                                                                                                                                                                                                                       determination of smut spores in, (27) 310.
                aphrs, western, studies, (35) 757.

a affected by—
age, (27) 363.
alkali, (36) 736; (10) 313, 719.
asparagin, (27) 731.
barium, (40) 515.
barium and strontium, (40) 819.
boron, (38) 22; (39) 429.
calcium and magnesium, (35) 726.
companion crop, (32) 432.
copper and lead saits, (35) 324.
disinfectants, (26) 829.
greenhouse femperature, (37) 533.
                                    disinfectants, (26) 820. greenhouse temperature, (37) 533. greenhouse temperature, (37) 533. grunnidm, (28) 427. hthium, zinc, and lead sults, (29) 520. magnesia, (39) 117. manganese, (40) 820. metallic sults, (31) 218. osmotic pressure of soil solution, (37) 128. planting out of season, (31) 234. potassium chlorid, (40) 244. radioactive minerals, (27) 820. radioactivity, (30) 224. sait solutions, (39) 810. sodium compounds, (39) 117. sodium nitrate, (38) 438; (40) 214. soil and clumite, (30) 312. soil moisture, (32) 544; (37) 310; (39) 811. soil mitrogen, (30) 342. soil volume and available plant food, (31) 132.
                                                                                                                                                                                                                                                                                                    bread-making-
                                                                                                                                                                                                                                                                                                                     for wern climates, breeding experiments, (40) 143.
qualities, (39) 469.
quality as affected by artificial drying, (31)
                                                                                                                                                                                                                                                                                                  162.
breeding, (26) 431; (29) 538; (31) 234, 829; (36) 441; (37) 799, 827; (40) 38, 523.
                                                                                                                                                                                                                                                                                                  breeding—
and improvement in Sweden, (30) 833.
experimental error in, (20) 38; (30) 830.
experiments, (20) 639; (27) 437; (28) 828; (20) 31, 38, 143, 532, 835; (30) 331, 431, 525; (31) 531, 831; (32) 532; (33) 331; (35) 825; (36) 828; (37) 731; (38) 526; (30) 126, 129, 334, 634, 612, 643, 730; (40) 140, 143, 233, 330, 524, 825, 635, 636, 830.
for discuse resistance, (28) 147,
drought resistance, (28) 157,
milling quality, (28) 635,
rust resistance, (39) 550,
variation in mitrogen content, (29) 835,
selection in, (30) 733,
bug, notes, (30) 854,
bulb fly, blology, (35) 460,
bulb fly, notes, (27) 552; (31) 57; (32) 350; (40)
547.
                                                                                                                                                                                                                                                                                                    breeding
                                                   132.
                                       spacing in breeding plats, (30) 633,
sulphur, (38) 221,
sulphuricaeld, (31) 34.
                    Sulphure acid, (31) 34,
temperature, (30) 664,
weight of seed, (30) 743,
as dry-farm crop, (30) 131, 736, 744,
green manue, (38) 375,
hurse crop for alialfa, (32) 430,
silage crop, (30) 131; (40) 730,
sole ration for animals, (33) 307; (36) 865; (39)
72.
                                                                                                                                                                                                                                                                                                     bulk handling in Washington, (39) 643.
                                                                                                                                                                                                                                                                                                    bulk handling in Washington, (38) 643.

bunt—sce also Whent smut, stinking,
notes, (32) 544.

treatment, (26) 845.

wind dissemination, (40) 642.

burned, milling and haking tests, (38) 567.

bushel weights, (37) 889.

by-products, analyses, (26) 568, 665; (27) 670;
(28) 285, 304, 464; (29) 769.

by-products, ush analyses, (29) 861.

by-products, judging, (31) 809.

catalytic ferilizers for, (30) 627.

chafer, notes, (31) 155.
                     ash analyses, (29) 861. assimilation and utilization of plant food. (39)
                               127.
                      Australian-
                                        culture in England, (26) 135.
government marketing, (40) 592.
milling and baking qualities, (32) 659; (40)
                    66.
availability of nitrogen in, (20) 124.
bacterial blight, notes, (35) 845.
bacterial disease in Punjab, (39) 454.
bacterial disease, notes, (29) 423; (31) 127.
baking quality as affected by—
climate, (31) 43.
storage, (30) 667.
baking tests, (26) 67.
beardless and bearded, prices of, (26) 43.
behavior of organic substances in, (30) 526.
belt, climate and edaphic factors, (39) 734.
belts. winter and storing, climatic features.
                                                                                                                                                                                                                                                                                                     chair, notes, (31) 155.
chair, andyses, (29) 467.
chair, digestibility, (31) 607.
change in weight during storage, (30) 639; (31)
                                                                                                                                                                                                                                                                                                    changes in proportions of hard and soft[kernels, (40) 142.
                                                                                                                                                                                                                                                                                                     chop, analyses, (31) 863.
chromosome numbers in, (27) 636.
                        belts, winter and spring, climatic features, (40)
                                                                                                                                                                                                                                                                                                     classification, (39) 539.
```

TTT	Wheat Continued
Wheat—Continued.	Wheat—Continued. culture—continued.
and descriptions, (33) 436.	in England, (37) 445.
and grading, (37) 860. studies, (31) 327.	(leorgia, (32) 833.
committee of India (40) 894.	Illinois, (30) 441; (39) 35. India, (28) 736; (30) 639; (22) 131; (36) 385;
comparative anatomy, (38) 711.	(39) 229.
comparative analomy, (38) 741. competition in, (27) 430. composition, (26) 358; (29) 262; (31) 759; (33) 561	Iowa, (39) 138. Kunsas, (39) 743.
composition and nutritive value, (27) 267.	Maryland and vieinity, (36) 736.
composition as affected by—	Mexico, (32) 131.
environment, (26) 133; (29) 263; (30) 440, (32) 431.	Michigan, (39) 320, Mississippi, (33) 431.
	Montana, (32) 533; (29) 840.
fertilizers, (28) 140, 535; (10) 434.	Natal, (27) 536. Nebraska, (29) 531; (30) 831.
fertilization and soil preparation, (31) 230 fertilizers, (28) 140, 535; (10) 434, irrigation, (28) 332, maturity, (28) 836.	New Mexico, (39) 744; (40) 18.
COMPANION	New Movico, (39) 744; (40) 18. New South Wales, (28) 683.
at different stages, (30) 137. during growth and ripening, (35) 738.	North Carolina, (27) 531. North Dakota, (40) 736.
(uring growth and 11) entity, (33) 738, factors affecting, (20) 833, in relation to soils, (38) 518, conservation in United States, (38) 792, continuous culture, (27) 831, 832, 833; (29) 227; (30) 124; (40) 32, 419, 431, 731, 733, 824, cooperative experiments, (29) 138, correlation and variation in, (32) 832,	Queensland, (28) 633. Rhodesia, (27) 32, 637.
in relation to soils, (38) 518.	Russia, (26) 693.
continuous culture, (27) 831, 832, 833; (29) 227;	sand hills of Nebraska, (35) 827.
(30) 124; (40) 32, 419, 431, 731, 733, 824.	Saskatchewan, (40) 533. Southenstern States, (3a) 240. southern Idaho, (3a) 227. Tevas Panhandle, (20) 129; (45) 110.
cooperative experiments, (29) 138.	southern Idaho, (36) 227
correlation in, (31) 735; (37) 111.	Texas Panhandle, (29) 129; (35) 110.
cost of harvesting, (36) 441; (38) 839.	the 'tropics, (34) 227,
594, 688; (33) 293, 831; (35) 691; (37) 191; (39)	United States, (38) 717. Victoriu, (36) 441. western Nebruska, (35) 438.
cooperation and variation in, (32) 532, correlation in, (31) 738; (37) 141, cost of harvesting, (36) 441; (38) 839, cost of production, (26) 836; (28) 990; (32) 530, 594, 688; (33) 293, 831; (35) 691; (37) 191; (39) 840; (40) 292, 448, cost of production in Austria, (28) 594.	western Nebraska, (35) 438.
cost of production in Austria, (28) 594, cost of production in 1917, (39) 688.	Wisconsin, (30) 141.
creating content, (33) 725.	Wisconsin, (30) 141. on Great Plains, (38) 342, 440. on moor lands, (29) 835; (30) 229.
critical period of growing season, (39) 811.	on Ozark uplands, (38) 217. relation to rainfall, (28) (38; (33) 715.
cross fertilization, (29) 636; (36) 441. crosses, suppression of characters in, (36) 735.	research scholarship for, (26) 408,
erossing evneriments (31) 531	under dry farming, (26) 8.8, (30) 435; (32)
oultivated, origin, (32) 131. oultivated, origin, (32) 131. oulture, (26) 134; (27) 337; (30) 434; (31) 35, 532; (32) 132, 220; (34) 138, 094; (35) 33; (37) 340, 736; (38) 33, 38, 140, 240, 441, 527, 636; (30) 834.	research scholarship for, (26) 498, under dry farming, (26) 8.8, (30) 435; (32) 525, 731; (34) 734; (38) 528, 5.20; (37) 329, 529; (38) 240; (39) 131.
(32) 132, 226; (34) 138, 694; (35) 33; (37) 310,	under irrigation, (34) 528.
736; (38) 33, 38, 140, 240, 411, 527, 636; (30) 834. culture—	cytological studies, (26) 325. damaged, analyses, (39) 773.
at high altitudes, (39) 810.	density as an index of milling value, (34) 256.
climatic limits, (28) 513.	density indexes, (35) 537.
contests in Western Australian schools, (30) 791.	depth of sowing tests, (27) 834. destruction by wasps, (37) 667.
aantinuarie (20) 190+ (20) 522+ (24) 128+ (25)	determination of
30, 538, 513; (37) 445; (39) 529, experiments, (26) 38, 131, 233, 329, 422, 630, 737, 830; (27) 31, 299, 232, 233, 249, 335, 336, 342, 335; (28) 431, 434, 734, 827; (29) 225, 425, 426, 427, 429, 433, 538, 630, 733, 836; 228, 332, 333, 338, 630, 733, 836; 332, 333, 334, 335, 336, 337, 338, 336, 336, 337, 338, 336, 336, 337, 338, 336, 336, 336, 336, 336, 336, 336	neithly and filmble nitrogen in, (40) 507. cellulose in, (40) 14.
737, 830; (27) 31, 299, 232, 233, 299, 335, 336,	indigestible residue, (39) 501, 502.
342, 638; (28) 431, 434, 734, 827; (29) 225, 425, 426, 427, 429, 433, 538, 630, 735, 838;	specific gravity, (28) 22. development—
(30) 33, 133, 141, 526, 531, 632; (31) 733; (32)	as affected by heating seeds, (37) 742.
36, 132, 430, 431, 526, 525, 529, 530, 531;	as affected by soil water and introgen fertili-
(33) 31, 137, 332, 633, 729, 830; (34) 39, 137, 227, 228, 230, 339, 632, 735; (35) 31, 228, 229,	zation, (27) 38. of grain, (32) 121.
534; (36) 32, 33, 132, 234, 235, 739, 830; (37)	dietary properties, (37) 261.
30, 330, 436, 438, 531, 734, 823, 824, 825, (38) 38, 132, 133, 229, 333, 331, 336, 432, 433, 526,	direct panification, (40) 460. disease, new, (37) 653.
630, 632, 634, 635, 735, 825, 830; (39) 124, 125, 126, 127, 128, 217, 227, 229, 338, 334,	disenses -
125, 126, 127, 128, 217, 227, 229, 333, 331, 335, 336, 435, 436, 437, 530, 632, 712, 534;	and insect posts, (37) 310, m Australia, (38) 48.
(40) 125, 218, 319, 329, 330, 636, 730, 731, 733,	Bruzil, (32) 238,
735.	Egypt, (30) 747.
culture experiments in— Argentina, (40) 533.	New South Wules, (34) 845. Western Australia, (33) 845.
Australia, (40) 230, 332.	notes, (20) 243, 845; (31) 841; (35) 245; (36) 541; (38) 646.
Canada, (40) 228, 333, 533. India, (40) 230, 332, 523, 825.	541; (38) 646. * studies, (28) 442; (30) 846; (39) 51.
R nodesin, (40) 230, 825.	treatment, (26) 134; (35) 652, 749; (37) 895.
South Africa, (40) 831. culture—	distance experiments, (30) 732; (32) 832.
for chicken feed, (38) 827.	distribution of nitrogen in, (35) 269. dockage, (38) 694, 840.
for hay, (37) 436.	dry-farm, chemical studies, (30) 460,
for silage, (26) 574. in Alabama, (32) 137; (40) 142.	dry-farm, protein content, (39) 342. drying for milling purposes, (36) 361.
in Alabania, (32) 137; (40) 142. America, trentise, (26) 134.	durum—
Argentina, (35) 136, 740. arid region of Portugal, (40) 33.	analyses and baking tests, (33) 564.
Australia, (34) 227.	and bread, linkage in crosses, (39) 643.
Canada, meteorological factors in, (35) 15. Chile, (39) 231.	baking quality, (37) 362.
cotton belt, (32) 533.	culture in Arizona. (40) 142.
east Siberia. (32) 138.	delayed germination of, (26) 434,
eastern Oregon, (30) 830. eastern United States, (31) 438.	analyses and baking tests, (33) 564. and bread, inkage in crosses, (39) 643. buking quality, (37) 362. culture experiments, (38) 338. culture in Arizona, (40) 142. delayed germination of, (26) 434. middings and bran, analyses, (40) 571. milling and baking tests, (30) 002; (34) 67.

Wheat-Continued.	Wheat-Continued
durum—continued. notes, (29) 233.	Fusarium diseases in Bayana, (30) 748, garlicky, drying and cleani (4, (36) 361.
production in United States, (26) 91.	germ, analyses, (27) 872.
tempering, (26) 461. varieties, (36) 830; (38) 838.	germ, digestion coefficients, (28) 170, germ ripening experiments, (26) 131.
dwarf varieties, stability, (30) 441.	germ, use in bread making, (39) 870.
dwarfness in, (10) 828, 831. dynamiting and subsoiling experiments, (32)	German and foreign, bread making qualities,
528.	(30) 257. German, composition and baking quality, (32)
celworm disease, (10) 141, 849.	252,
color of egg yolks, (31) 474.	germinated, baking and milling tests, (29) 661, 863.
color of egg yolks, (31) 474, soil fertility, (27) 136; (38) 621, soil moisture, (28) 321; (34) 17.	germinated, baking quality, (30) 555; (37) 862.
succeeding crops, (32) 221.	germinating -
Egyptian, investigations, (36) 739. electroculture, (28) 326, 533.	anaerobic respiration, (29) 539. disease of, (31) 611.
electroculture experiments, (27) 231.	energy transformations, (36) 525.
emasculating, (40) 233. embryo, dictory deficiencies of, (35) 265.	investigations, (35) 632, new disease of, (33) 847.
embryos, transfer to dead seed kernels, 27) 740.	pentosan content, (20) 525.
English, storage, (40) 637. ergot, notes, (40) 849.	germination and purity tests, (37) 238. germination as affected by —
exports from Russia, (26) 190.	age, (27) 740.
factors affecting composition, (26) 434.	anesthetics, (27) 220. calcium cyanamid, (33) 818.
factors affecting quality, (33) 637; (35) 832; (37) 38; (39) 238, 443.	carbon bisulphid, (27) 131, 342.
factors determining milling quality, (36) 297.	carbon bisulphid, (27) 131, 342. copper sulphate, (32) 749.
fall sown, increasing acreage, (39) 532. fall v. spring sown, (39) 836.	depth of planting, (36) 437. fertilizers, (29) 327.
farms, studies, (40) 488.	formaldehyde, (36) 638. fungicides, (26) 845; (29) 346.
Foderation, notes, (27) 437. feed, analyses, (36) 167; (40) 665.	fungicides and insecticides, (30) 242, 837.
feeding, (34) 494.	hot water treatment, (30) 449.
feeding flour, analyses, (40) 665. feeding value, (34) 867.	orwood, (28) 536. Roentgen rays, (28) 128.
fertilization in relation to frost injury, (35) 642.	silver nitrate, (34) 31.
fertilizer experiments, (26) 131, 232, 422, 424, 426, 439, 522, 527, 537, 538, 630, 631, 639, 727, 818,	stimulants, (26) 131. superphosphates, (27) 840.
829, 838; (27) 32, 125, 137, 324, 335, 336, 337,	temperature, (29) 731; (30) 531.
342, 629, 831, 832, 834, 840; (28) 124, 221, 338, 493, 723, 724, 735; (29) 25, 126, 127, 227, 228,	germination— at different dates after threshing, (40) 443.
632, 727, 728, 736; (80) 125, 229, 235, 325, 326,	effect on baking quality of flour, (26) 356.
335, 531, 627, 821; (31) 31, 123, 133, 139, 328, 421, 430, 733, 738, 828; (32) 137, 322, 431, 629,	energy of, (29) 538. in electrolytic solutions, (31) 427.
421, 430, 733, 738, 828; (32) 137, 322, 431, 620, 630, 814, 819; (33) 137, 219, 226, 326, 625, 632, 817, 828; (34) 22, 25, 128, 131, 423, 424, 518, 519, 500, 625, 632, 632, 632, 633, 633, 634, 635, 635, 635, 635, 635, 635, 635, 635	in moreury vapor light, (30) 827. studies, (31) 530.
520, 622, 630, 632, 723, 809; (35) 22, 30, 126, 218,	studies, (31) 530. tosts, (29) 223, 740; (30) 236, 837; (31) 733.
520, 622, 630, 632, 723, 809; (35) 22, 30, 126, 218, 220, 325, 326, 424, 425, 427, 430, 520, 536, 724; (36)	tests in hydrogen peroxid, (27) 201.
217, 220, 235, 325, 338, 425, 428, 437, 440, 529, 735, 829; (37) 30, 214, 215, 220, 238, 323, 337, 436, 438, 627, 734, 823, 831; (38) 133, 217, 240, 432, 433, 518, 620, 630, 726, 820, 829; (39) 22, 116, 127, 217, 227, 247, 238, 427, 438, 627, 638, 628, 639, 638, 638, 638, 638, 638, 638, 638, 638	germinative ability and vegetative force, (29)
436, 438, 627, 734, 823, 831; (38) 133, 217, 240,	740. germs, analyses and feeding value, (29) 467.
127, 217, 227, 334, 335, 421, 427, 430, 529, 530, 531,	Ohirka, improvement, (36) 337.
127, 217, 227, 334, 335, 421, 427, 436, 529, 530, 531, 540, 624, 738, 742, 816, 839; (40) 39, 218, 230, 231, 232, 234, 532, 534, 534, 534, 534, 534, 534, 534, 534	glindin and barley hordein, relationship, (31)
319, 332, 333, 434, 523, 521, 533, 621, 622, 734, 735, 824, 825, 831.	gliadin, hydrolysis, (26) 22; (28) 607.
tields, weed control in. (40) 536, 637.	glume rust, notes, (36) 747. gluton—
fixity of races in, (30) 311. flag smut, notes, (28) 840.	as affected by vegetable proteins. (26) 67.
flag smut, treatment, (29) 845; (31) 746; (34) 644.	colloidal swolling, (34) 111; (36) 862.
flour, see Flour.	content, decreasing, (33) 659. formation, (37) 341.
flour substitutes, (39) 67, 164, 267, 470, 769, 871; (40) 66, 67, 173, 360, 657, 762, 863.	formation, (37) 341. hydrolysis, (28) 607. gradus (23) 138
nour subsututes	grades, (32) 138. grading, (29) 001; (30) 663; (32) 634; (37) 863; (39)
analyses, (39) 870. milling experiments, (40) 550.	871; (40) 39, 144, 145.
protecting from insects, (40) 59.	grain color, environmental influences, (38) 538. grains from different parts of ear, (36) 440, 534.
receipes, (40) 361. flowering and pollination of, (32) 832.	graphic summary of seasonal work, (39) 495.
fly, notes, (29) 357; (31) 50. following alfalfa, (39) 436.	grass —
foot disease, notes, (28) 51, 52; (29) 150; (30) 242,	as pasture crop, (39) 130. field tests, (39) 135.
243, 349, 541; (31) 51; (40) 845.	identification, (29) 741.
foot rot, treatment, (36) 535. for pigs, (33) 73.	irrigation experiments, (32) 224. monograph, (29) 141.
for summer stiage, (29) 473.	siender, culture experiments, (32) 528.
French, gluten content, (32) 63. from imported and home-grown seed quality.	slender, seeding on ranges, (30) 35. slender, yields, (40) 733.
(33) 41.	slendor, yields, (40) 733. water requirement, (32) 127. wostern, bacterial disease, (34) 349; (38) 249. western, characteristics, (36) 638. wostern, Phoma disease of, (34) 846.
from Sunpan, China, description, (28) 135. from trans-Volga districts, nitrogen content.	western, characteristics, (36) 638.
(31) 334.	western, Phoma disease of, (34) 846.
frost injuries, (27) 349; (38) 148. frosted, germination, (40) 443.	groon, analyses, (29) 467.
frosted, notes, (29) 242.	green manuring experiments, (35) 426; (36) 234; (37) 425, 734; (39) 326, 725; (40) 824.
frozen, for pigs, (28) 772. fumigation with hydrocyanic acid gas, (33) 522.	greensand potash for, (40) 423. grinding, power required for, (35) 586.

```
Wheat—Continued.
irrigation, (29) 621; (31) 328; (39) 132, 343; (40)
Wheat-Continued.
                             ground—ses, (27) 774; (31) 65.
puffed, analyses, (29) 666.
v. whole, for pigs, (31) 869.
growing in sand media, (36) 297.
growing without potash, (40) 131.
growth as affected by—
alkali, (34) 125; (36) 118.
concentration of nutrient solution, (35) 436.
electricity, (30) 827.
manganese, (30) 823.
meteorology, (29) 510.
radioactivity, (28) 731.
spacing, (31) 328.
stimulants, (35) 431.
temperature, (29) 731.
growth—
                                    ground
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  636.
irrigation experiments, (27) 536; (28) 130, 132, 131, 230, 588, 638; (29) 32, 138, 226; (30) 35; (31) 36; (32) 37, 225, 531; (33) 225, 631, 827, 884; (36) 35, 234, 235, 385, 886; (37) 30, 238, 340, 640, 822; (38) 636; (39) 132; (40) 230, jointwonn, control, (39) 863; (40) 170, jointwonn in Ohio, (39) 863, kernel, ciense of, (30) 666, kernel, development, (31) 234; (34) 633; (37) 24, kernel, factors affecting shape, (40) 241, lands of western Austrulia, fertility, (29) 315, leat miner, studies, (29) 257. >- leaves, anatomy of, (35) 443, lessons on, (20) 392; (28) 303. lime-magnesia requirements, (20) 521.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (28) 303, (29) 305, (28) 305. [iline-magnesia requirements, (29) 521. [ilining experiments, (28) 223, 624; (29) 223; (32) 31; (34) 132, 133; (36) 27, 38; (39) 116, 221, 421, 520, 530; (40) 815. [localization of hetain in, (27) 203.
                                    growth -
                                                               wtn -
in association with weeds, (38) 734.
heated soils, (31) 216; (35) 722.
sterilized soils, (31) 336.
water cultures, (36) 328.
metabolism, and imbibition, (38) 729.
on volcanic ash, (29) 726.
relation to elimate, (33) 116.
relation to temperature and moisture, (40)
19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        lodging in relation to vascular bundles, (33) 332.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        loose smut-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 loose smut—
description and treatment, (26) 341.
life history, (37) 839.
notes, (30) 448; (38) 548.
resistant varieties, (39) 852.
studios, (28) 545, 846.
treatment, (20) 546; (27) 246, 746, 848; (28)
445, 646; (29) 45, 548; (31) 147, 342; (37)
247; (38) 240.
loss in weight after harvesting, (38) 635.
                                                                                     19.
                                  studies, (40) 31, 233.
studies, methods, (38) 526.
hail injuries to, (33) 127.
handling in bulk, (32) 231; (37) 91, 492.
                               manding in bluk, (32) 281; (81) 91, 492.
hard—
culture in United States, (33) 235.
red, culture in Idaho, (33) 342.
red spring, comparison, (33) 361.
red spring, milling tests, (30) 602.
softening in Arizona, (40) 142.
spring, culture, (33) 337.
spring, varieties, (34) 39.
hardiness, relation to sap density, (39) 430.
harvest, 1916, (36) 390.
harvest, 1918, handling in Kansas, (40) 92.
harvesting at different stages, (40) 333.
harvesting experiments, (20) 838.
hay, analyses, (29) 407.
hay, character and digestibility, (31) 364.
heads, determination of density, (32) 42; (38)
537.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   louse, notes, (30) 658.
macaroni and bread, linkage in crosses, (39)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 macaroni and bread, linkage in crosses, (39) 643.

magnesia for, (40) 824.
matase content, (31) 204.
manganese in, (34) 339.
manuring experiments, (40) 636, 730, 731.
manuring in winter, (37) 195.
marketing in winter, (37) 195.
marketing in Paelfic coast region, (26) 293.
Marquis, (35) 443.
Marquis, history and culture, (30) 738; (36) 137.
Marquis, milling quality, (30) 666, 760.
meal, digestibility, (30) 566.
measurements, (30) 235.
methods of analysis, (37) 11.
Mexican, composition and quality, (32) 63.
middlings—
                               heads, determination of density, (32) 42; (38) 537.
heads, fungus disease of, (34) 815, heating, moisture content, (38) 538.
heredity of albinism in, (31) 329.
history of, (31) 131.
humin nitrogen content, (40) 510.
Humpback, (36) 533.
Hungarish, grain characters in, (31) 531.
hybrid, new, (37) 445.
hybrid, notes, (30) 140.
hybrid, spontaneous appearance, (29) 630.
hybridization experiments, (26) 831; (28) 828; (30) 733; (34) 229; (36) 436.
hybrids, repulsion in (31) 531.
ideal climate for, (38) 717.
improvement, (28) 141, 638; (32) 630; (36) 338.
improvement, (28) 141, 638; (32) 630; (36) 338.
improvement, (28) 141, 638; (32) 630; (36) 338.
in Argentina, (37) 823; (31) 438, 531, 829.
in Argentina, (37) 823; (38) 741.
in Australia, (32) 390; (40) 635.
in Canada, (37) 831.
of nitrogen content, (20) 739.
improvers, notes, (26) 358.
in conthern Turkesten, (32) 231.
Indian, milling and baking quality, (26) 135.
infection by soil fungl, (26) 746.
inheritance—
in, (34) 531; (37) 332; (40) 140, 525.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        middlings
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   idlings—
analyses, (26) 72, 768, 873; (27) 170, 171, 371,
469, 670, 774, 872; (28) 265, 364, 465, 666;
(29) 666, 769; (30) 67, 68, 169, 565, 671, 868;
(31) 73, 306, 467, 564; (32) 169, 259, 667;
(33) 371, 759; (31) 72, 371, 467, 665, 767;
(35) 373, 374, 562, 867; (36) 167, 268, 667,
765; (37) 268, 471, 767; (38) 67, 368, 369, 522,
665; (39) 167, 270, 370, 773; (40) 72, 571, 665,
digestibility, (37) 677,
feeding value, (40) 278, 668,
white, definition, (28) 98.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   midge -
control, (30) 863.
in Ohio, (30) 766, 863.
Ontarlo, identity, (40) 653,
Sweden, (30) 159, 866.
notes, (28) 657; (29) 357.
on barley, (39) 159.
mildew-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        midge -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mildow—
in Australia, (38) 48.
notes, (27) 346; (28) 149; (34) 243, 644.
relation to light, (30) 747.
resistant varieties to, (27) 545.
studies, (27) 545; (38) 847.
mill market for, (38) 896.
milling and baking—
qualities, (32) 159, 160, 333; (33) 361, 659;
(36) 862.
studies, (28) 461; (30) 460, 661, 663, 664, 666, 668, 759.
tests, (20) 43; (27) 165; (28) 458, 862; (29) 226, 262, 661, 863; (31) 256, 269; (32) 760; (33) 361; (37) 102, 225, 367; 344, 555, 855, 859;
(36) 441, 494, 534, 560, 831; (37) 30, 361, 860, 863; (38) 239, 430, 663; (40) 658.
milling—

**Market for the following statement of the following
                                        inheritance
                                                                      eritance—
in, (34) 531; (37) 332; (40) 140, 525.
of awn color in, (33) 836.
characters in, (28) 638; (35) 233.
flowering and ripening periods, (40) 830.
grain texture, (40) 143.
winter resistance in, (29) 635.
                                    winter resistances in (29) 636.
inoculation experiments, (35) 32.
insect survey, (30) 863.
insects affecting, (26) 753; (34) 851; (38) 197;
(39) 863.
irrigated, chemical studies, (30) 460.
irrigated, protein content, (39) 342.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      milling-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      properties, (27) 266, 867.
qualities, (28) 761; (37) 570.
```

Wheat-Continued.	Wheat-Continued.
milling-continued.	production—continued.
quality as affected by barley and rye, (29)	and prices in United States, 1908-1918, (40)
866.	93
quality as affected by germination, (29) 863.	rainfull, correlation, (35) 14.
quality in relation to physical characteris-	in Argentina, (27) 193.
tics of kernel, (35) 555.	Australia, (40) 635,
tests, (28) 334; (36) 761.	California, (38) 131,
mineral nutrition, (28) 221.	Canada, (26) 838.
mineral requirements, (37) 790.	India, (36) 92. 1911, (26) 595, 792.
mites, studies, (40) 855.	1913, (31) 95.
mixed feed, analyses, (34) 169. moisture capacity, (37) 362. moisture content, (26) 462.	Russia, (26) 294.
moisture content. (26) 462.	Spain, (28) 73%.
Montana-grown, types and quality, (37) 361.	the Propies, (10) 637.
morphological studies, (39) 341.	United Kingdom, (26) 793.
mutation variety of, (31) 234.	United Kingdom, (26) 793, United States, (25) 293; (38) 743.
mutation variety of, (31) 234. natural crossing in, (40) 142.	1918 program, (38) 837.
nematode disease, (39) 649; (40) 144, 849.	present and prospective, (38) 595.
nematodes affecting, (30) 243, 448; (32) 448; (38)	products -
850.	analyses, (26) 43, 665; (29) 769; (30) 169; (32)
nitrates in, (40) 300.	169; (38) 665.
nitrogen and phosphoric acid in, (26) 661; (27)	growth-promoting properties, (10) 67.
500.	moisture capacity, (37) 362.
nitrogen, biological value, (40) 660. nitrogen content as affected by culture, (34) 735.	preparation, (38) 365.
nitrogen content as allerted by childre, (34) 736.	vit umn content, (39) 314.
nitrogen content, variation in, (35) 340.	protein content -
North Dakota, screenings in, (29) 866.	following black fallow, (34) 230.
October sown v. December sown, (33) 831. of Algeria and Tunis, (34) 227.	improvement, (39) 742.
Baluchistan, Khorassan, and Kurram Val-	improvement, (39) 742. relation to rainfall, (28) 537; (33) 41.
ley, (37) 446.	relation to soil moisture, (30) 662,
Colorado, properties, (39) 238, 443.	variations in, (30) \$36.
Colorado, studies, (40) 39.	protein -
Queensland, analyses, (40) 314.	efficiency for milk production, (33) 276.
Queensland, analyses, (40) 314, Victoria, milling and baking qualities, (31)	nutritive value, (26) 155; (39) 665, 666.
256.	proteins -
Washington, classification, (37) 237.	alcohol-soluble, (33) 162.
west-central Minnesota, phosphates for, (40)	effect of feeding at different planes of intake,
320.	(3C) 361.
Wisconsin, milling and baking qualities, (40)	supplements for, (36) 560, puffed, analyses, (30) 67, 68, pure line, variation in, (31) 130.
761.	pure line, variation in. (31) 130
offal, analyses, (27) 570; (28) 669; (31) 564; (39)	pure strains, tests, (39) 129.
270. ofial, classification and standardization, (31) 71.	purebred, mutation in, (29) 433.
official standards, (40) 39, 144.	purstance sawflies affecting, (20) 252.
oil, toxic effects on rats, (36) 61.	quicklime treatment, (40) 337.
on inoculated soil, (39) 519.	rate of seeding tests, (27) 335, 639; (28) 135;
orange leaf rust of, (31) 641.	(32) 42.
origin, (28) 761.	ratio of grain to straw, (36) 218, ratio of tops to roots, (31) 628, 733.
parentage of, (26) 529. pedigreed, in Wisconsin, (40) 624.	ratio of tops to roots, (31) 628, 783,
pedigreed, in Wisconsin, (40) 624.	Red Olona, improvement, (37) 141. Red Rock, (37) 700; (10) 233. Red Rock, in Mishyan (20) 223.
pedigreed, yields in Wisconsin, (37) 438.	Ded Dealt in Minhammy (20) 007
pentic digestibility, (29) 164,	Red Rock, in Michigan, (39) 335. region, meteorological service, (39) 718. relation of size of seed to yield, (26) 431.
percentages of flour from, (36) 662.	rolation of sign of each to violate 19th 184
phenological observations, (40) 811.	relation to climate and soils. (26) 434.
phosphorus content, (27) 461; (30) 362.	relationship of species, (26) 827
physical structure and physiology, (26) 358, physiological requirements, (39) 28, 331.	relationship of species, (26) 827. relative yielding capacity, (40) 625.
phytic acid and its salts in, (37) 108.	requirements and production of the Allies
plant—	(10) 487.
composition, (35) 832.	resistance to cold, (30) 525.
methods of analysis, (37) 11.	resistance to diseases and insects, determina-
microchemical studies, (37) 631, mineral requirements, (39) 331.	tion, (26) 216. Rifti hybrid of, (30) 531.
mineral requirements, (39) 331.	Rieti hybrid of, (30) 531.
planting and harvesting dates, (26) 533.	rod-row tests, technique, (38) 120.
plat tests, technique, (40) 227, 623.	root aphids, notes, (20) 252. root development -
plats, hoop harvesting, (39) 539.	in (96) 327
poisoning of horses by, (27) 888. Polish, inhoritance in, (40) 140, 525.	in, (20) 327. in India, (39) 230.
Polish million and habita tosis (40) 924	of seedlings, (30) 136.
Polish, milling and baking tests, (40) 234. pollination, (36) 527.	of secdlings, (30) 136. root system, (32) 529, 530, 634.
Portuguese varieties, (30) 40.	rotation experiments, (28) 338; (29) 227; (31) 738 (33) 429, 728, 828, 829; (36) 437, 829; (38) 129
powdery mildew, infection, (26) 646; (33) 244.	(33) 429, 728, 828, 829; (36) 437, 829; (38) 129
powdery mildew, studies, (35) 651, 844; (37) 719	(40) 551, 451, 751, 766.
precipitin test for, (31) 733.	Russian, (40) 535, 831.
premature douth of, (29) 151.	Russian, nitrogen content, (32) 833.
prices-	rust-
and shrinkage, (34) 337.	offect on feeding value of straw, (40) 768.
in England, (26) 190.	fungus, wintering over, (26) 846.
in Germany, (30) 896. in United States, (38) 742.	host relations, (26) 142.
movement (21) 204	in Bavaria, (33) 847.
movement, (31) 894. three centuries of, (40) 792.	in Norway, (35) 545. infection through seed, (37) 751.
problem of 1917 harvest, (39) 688.	investigations (98) 887
production—	investigations, (20) 647. mode of infection, (20) 143.
and consumption, (30) 391, 692,	new form. (39) 454.
marketing, (20) 791.	new form, (39) 454. new, in United States, (33) 744.
marketing, (28) 791. prices in 1915, (35) 793.	new strain, (40) 345.

Wheat-Continued.	Wheat-Continued.
rust—continued. notes, (29) 152, 445; (30) 845; (31) 641; (34) 843; (35) 45; (36) 247; (37) 247, 453, 749; (30) 752.	selection, (40) 523. selection experiments, (35) 336, 527, 534; (36) 440, 735; (37) 32, 226; (38) 342, 633, 635; (39) 126; (40) 233,
overwintering in Australia, (38) 48.	selection of varieties, (28) 633.
resistance in, (30) 242; (31) 147; (35) 749; (30) 146; (39) 550; (10) 745.	self-fertilization in, (33) 437. sensitiveness to fungicidal treatment, (29) 151.
resistance, inheritance, (20) 532. resistant hybrid, (27) 819.	Septoria disease in Australia, (37) 149.
resistant varioties, (26) 439, 447; (30) 230, 748; (32) 750; (38) 645, 646; (39) 336, 852;	sheath miner, notes, (37) 255. sheath miner, studies, (37) 160.
748; (32) 750; (38) 615, 616; (39) 336, 852; (40) 344.	sheath worm, description, (36) 59.
spores in seeds of, (30) 241.	shipment via Panama Canal, (40) 637, shorts, analyses, (26) 768; (27) 469; (28) 572; (29)
spores in seeds of, (30) 241. studies, (33) 546; (33) 48; (40) 642. treatment, (20) 143; (25) 242.	shorts, analyses, (26) 768; (27) 469; (28) 572; (29) 769; (30) 169, 671; (31) 863; (33) 371; (34) 467; (35) 562; (36) 765; (38) 369.
wintering over in dredospore form, (33) 646.	shorts, digestibility, 37) 678. shorts, digestibility and productive value, (37)
rusts, description, (35) 17. rusts in Canada, (31) 51.	shorts, digestibility and productive value, (37) 865.
ryo hybrid, notes, (36) 739. salvage, analyses, (26) 714; (37) 268. sampling and grading, (38) 140; (40) 39. scab and corn root rot, relation, (40) 49	shredded, analyses, (27) 774.
sampling and grading, (38) 140; (40) 39.	shrinkage tests, (38) 840. shrunken, analyses, (32) 169.
seab, notes, (39) 851.	silage for dairy cows, (37) 75.
Sclerotium rolfsii on, (39) 852. scourings extracts, effect on baking quality of	silage, notes, (33) 337. smut—
flour, (28) 356.	as affected by date of planting, (31) 50.
screenings, analyses, (26) 568; (27) 170 ;(28) 464, 465; (30) 671; (32) 862; (33) 371; (34) 168.	cause, (30) 47. in Dutch East Indies, (38) 418.
screenings, composition and digestibility, (32)	in Washington, (40) 19.
screenings, composition and value, (28) 769.	notes, (40) 730. proyention, (27) 840.
screenings, digestibility, (30) 566; (31) 766.	resistant varieties, (26) 43; (40) 346. resistant variety, (20) 244.
secondary rootlets, (40) 32.	spores, onece on domestic animals, (21) 602.
bed, preparation, (33) 217; (34) 632; (36) 131, 215.	studies, (37) 46, 149, 750; (38) 645, 849; (40) 345, 316, 642, 746.
cleaning, (40) 40,	treatment, (27) 137, 334, 649; (29) 152, 223 (30) 17, 242, 748; (34) 51, 844; (36) 739; (39) 343 35 540 85; (40) 40 324 346 535 636
distribution in India, (29) 538. durum, resting period, (36) 825.	248, 358, 549, 851; (40) 49, 334, 346, 535, 636
	wind dissemination, (40) 642.
fungus disease of, (31) 148; (32) 750. germination as affected by disinfectants,	descriptions and treatment, (31) 446; (38)
(31) 824. home-grown v. imported, (40) 636.	240, 548.
locally-grown, (40) 658.	in Australia, (38) 48. life history and treatment, (28) 445.
longevity, (38) 822. longevity in relation to temperature, (37)	notes, (28) 541; (35) 348. treatment, (28) 51, 745; (31) 344; (33) 846. soll exchange experiments, (27) 500; (20) 835; (30)
725.	soll exchange experiments, (27) 500; (29) 835; (30)
position in planting, (40) 635. resistance to desiccation, (40) 39.	440. soil moisture removal by, (40) 430.
selection, (32) 231; (36) 638. selection tests, (40) 334.	soils in United States, (37) 799.
size and sprout value in relation to yield,	spikes, distribution of autrogen in, (26) 739. spikes, forms of, (32) 634.
(38) 732. size as affecting resultant plants, (39) 743.	spring—
tasts and traatment (20) Ads	culture in Illinois, (40) 443. culture in Indiana, (40) 735.
treatment, (26) 209; (28) 442; (33) 546; (39) 238, 363; (40) 443.	culture in Ohio, (40) 738,
viability as affected by age, (31) 624. seeding—	culture in Wyoming, (40) 636. glume formation in, (32) 231.
douths. (40) 227.	handling and storage, (39) 540. in England and western Europe, (37) 415.
experiments, (26) 43, 135; (29) 223, 224, 225, 425, 420; (30) 135, 526; (31) 328; (32) 525, 225, 237, 237, 237, 237, 237, 237, 237, 237	in Great Plains, (33) 137.
	northern and southern limits, (38) 810. of Ohio, gluten properties, (40) 658.
325, 330, 331, 333, 342, 343, 34, 38, 437, 38, 437, 824, 835, (37) 134, 226, 536, 731; (38) 240, 630; (39) 227, 228, 331, 744, 830; (40) 228, 333, 334, 337, 429, 636, 730, 731, 733, experiments, error in, (39) 830,	of Ohio, gittler properties, (40) 658. production in Illinois, (30) 35. selection experiments, (33) 436. v. fall plowing, (33) 332.
630; (39) 227, 228, 331, 744, 839; (40) 228, 333, 334, 337, 429, 636, 730, 731, 733,	v. fall plowing, (33) 332.
experiments, error in, (39) 830.	sprouted, baking tests, (27) 764; (33) 861. sprouting, alcohol formation by, (30) 522.
experiments under irrigation, (39) 133. in furrows, (36) 831.	sprouts, digestibility, (30) 566.
	squarehead, varieties, (35) 739. stalk disease—
with vetch, (40) 243. seedlings alkali tolerance, (27) 500; (20) 322. seedlings as affected by—	control, (39) 549.
acid or alkaline conditions, (27) 130.	notes, (30) 242, 243, 349, 541. studies, (34) 244; (37) 248, 653.
cerium chlorid, (31) 325.	standards, (38) 538.
creatinin and creatin, (27) 621.	starch— as affected by pancreas diastase, (28) 660.
distribution of stomata in, (32) 221. growth as affected by salts. (31) 425, 426.	as affected by pancreas diastase, (28) 660. color reaction, (40) 411.
growth as affected by salts, (31) 425, 426. growth in bacterized peat, (31) 826.	content, (35) 108. gelatinization point, (30) 10.
growth in sand cultures, (36) 212. living and killed, respiration, (30) 522.	gelatinization point, (30) 10. studies, (31) 828.
purification, (29) 645. respiration of, (31) 427.	statistical notes, (40) 626. stem maggot, notes, (28) 653; (29) 252.
respiratory activity in sunlight, (34) 30.	stem rust, resistance to, (39) oou.
transpiration in, (28) 537, 629.	stem rust, resistant varieties, (39) 852.

```
teat -- Continued.

Varieties, (26) 39, 43, 145, 232, 233, 331, 436, 439, 440, 538, 630, 631, 632, 753, 829, 830, (27) 32, 137, 234, 334, 337, 429, 437, 550, 631, 536, 637, 736, 739, 832, 834, 846, (28) 552, 533, 638, 837, 828, (29) 31, 222, 225, 228, 336, 41, 129, 235, 312, 434, 435, 525, 531, 731, 738, 899, (31) 433, 430, 525, 531, 731, 738, 899, (31) 433, 430, 733, 829, (32) 363, 736, 721, 229, 333, 431, 327, 528, 529, 530, 730, 731, 827, 838, (33) 31, 33, 34, 41, 137, 235, 339, 340, 431, 631, 632, 633, 738, 739, 839, 830, 337, 336, 341, 337, 529, 634, 638, 736, 736, 739, 829, 831, 341, 138, 143, 227, 228, 629, 530, 537, 826, 637, 826, 634, 638, 736, 736, 739, 829, 830, 337, 334, 30, 431, 133, 229, 230, 240, 333, 332, 433, 527, 630, 632, 634, 638, 636, 830, 832, varieties—
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Wheat -- Continued.
Wheat—Continued.
                            stem sawfly, western, habits, (37) 855.
stem sawfly, western, studies, (31) 250.
stems, studies, (31) 531.
sterile spikelets in, (35) 233.
stinking smut
                                                            king smut—
chemical composition, (26) 716.
description and treatment, (26) 341.
effect on form of wheat heads, (28) 845.
inoculation experiments, (33) 245; (37) 750.
investigations, (34) 614.
morphology, (35) 845.
notes, (26) 746; (28) 51, 547; (32) 341; (38) 848.
overwintering, (37) 247.
relation to time of seeding, (20) 151.
spaces visitis, (26) 846.
                                                            remains to time of scenning, (29) 761. spores, vitality, (20) 846. studies, (81) 641, 845; (35) 845. treatment, (28) 447, 746; (27) 445, 734; (28) 51, 242, 546, 745; (29) 750; (30) 351; (32) 49, 145; (33) 744; (34) 843; (37) 247; (38) 240, 444;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     34, 635, 636, 830, 832, dicties—
classification, (20) 439; (27) 31; (29) 833, classification, (20) 439; (27) 31; (29) 833, classification, (39) 342, ommer and spelt series, (40) 636, for California, (26) 233, eastern United States, (32) 336, Montana dry lands, (35) 735, New South Wales, (27) 338; (38) 528, the Dakotas and Montana, (38) 230, Utah dry lands, (38) 230, immune to Hossian fly, (35) 759, in Argentina, (40) 626, new Swedish, (39) 634, 642, 833; (40) 634, of Alsace-Lorraina and vicinity, (26) 838, resistant to fungi, (31) 50, resistant to Hossian fly, (37) 760, resistant to Hossian fly, (37) 43, use of nutrient substances by, (28) 139, 140, ricty—
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             varieties
                                                                             448.
                            stooling in, (30) 235.
storage, (40) 337, 637.
storage and handling in bulk, (36) 804; (37) 91.
                            storage experiments, (30) 633.
storage experiments, (30) 633.
stored, insects affecting, (37) 356; (40) 458, 855.
stored, respiration studies, (39) 27, 35.
stored, variations in weight of, (31) 235.
strains, mixed culture, (39) 129.
                              straw-
                                                              analyses, (26) 770; (28) 768.
analyses and use as human food, (33) 866.
                         analyses and use as human food, (33) 806.
as bedding, (39) 621.
ash analyses, (27) 327; (29) 801.
composition and digestibility, (34) 505.
effect on soil nitrogen, (35) 218.
in legume silages, (39) 310, 878.
lime and phosphorus content, (26) 873.
methods of analysis, (37) 11.
rusted, analyses, (28) 464.
rusted, feeding value, (40) 768.
worm, notes, (35) 58; (36) 59.
strength and gluten content, variations, (28) 761.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           variety—
groups of, (26) 43,
new for Kansas, (39) 539,
tests, (39) 126, 126, 127, 128, 130, 227, 228, 333,
334, 336, 337, 436, 437, 539, 540, 634, 642,
735, 736, 737, 738, 744, 840; (40) 32, 141,
228, 230, 231, 233, 329, 331, 332, 333, 337,
420, 431, 434, 443, 523, 524, 533, 534, 624,
636, 728, 730, 731, 732, 735, 761, 825, 831,
tests, orperimental error, (39) 830,
tests, rod-row method, (40) 233,
tests, technique, (40) 227,
vitality as affected by ago, (27) 334,
volume weight and gram characteristics, (37)
643.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               variety-
                            761.

761.

761.

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waste, shredded, analyses, (39) 270.
waster culture experiments, (38) 730.
water requirements, (26) 129; (29) 829; (31) 328; (32) 127; (33) 726; (34) 720; (35) 633; (37) 340; (38) 227.
water requirements in India, (27) 429.
                            844.
susceptibility to stinking smut, (26) 54.
Swiss types, (27) 338.
take-all, description and treatment, (28) 646.
take-all, treatment, (35) 750.
temporary roots in, (35) 135.
textbook, (34) 293.
threshing—
exhaust funs for, (40) 49, 746.
in variety tests, (36) 534.
injuries, (37) 534.
thrips, new, (33) 334.
thrips, notes, (28) 452; (35) 656.
tillering, (29) 538; (31) 835; (32) 832; (33) 138; (37) 644.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           water regulrements in India, (27) 429.
water-soaked, milling value, (37) 861.
water-soaked, milling value, (37) 861.
weather factor for, (35) 114.
weed seeds in, (20) 135.
weeding, (37) 742.
weevils affecting, (26) 352; (39) 558.
white graits affecting, (29) 252.
white-heads or take-all, notes, (30) 148.
white-heads, studies, (28) 646.
wild and cultivated, hybrids between, (31) 531.
wild, in Palestine, (20) 37.
winter-
winter-
                              644.

Coriety for cows, (37) 706; (39) 72.

transpiration in, (34) 522; (39) 517.

transplanting, (38) 38.

treatise, (32) 42.

Turkestan varieties, description, (30) 830.

unthreshed, loss in stack, (32) 138.

v. corn for hens, (39) 74, 275.

v. corn for pigs, (31) 889.

valuation, (34) 256.

variation—
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 winter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and spring, in United States and Canada,
(37) 533.
culture, (27) 739.
culture at Crookston, Minn., (40) 733.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           culture at Crookston, Minn., (40) 733.
protection, (37) 226.
relation between dry matter and frost resistance, (20) 733; (39) 642:
resistant type, (30) 40.
rest period in, (30) 732.
spring herrowing, (39) 735.
sugar content, (40) 830.
varieties, (40) 638; (33) 51; (40) 821.
wireworm larvæ, fumigation, (40) 256.
wireworm, notos, (26) 147: (32) 555.
                                  variation-
                                                                iation—
and correlation in, (39) 743.
in, (33) 533, 835.
in composition, (27) 499.
nitrogen content, (29) 38.
pure lines, (32) 96.
yield, (29) 39.
                                  varietal nomenclature, (39) 839.
```

Wheat - Continued.	White-Continued.
world's supply, (39) 443.	fly, greenhouse—
world's supply, treatise, (40) 244.	in Ohio, (34) 59.
xenia in, (30) 235. yellow berry, (33) 41; (37) 531; (40) 761.	life history and habits, (34) 452.
yellow berry, inheritance, (40) 113.	notes, (28) 854. sex ratios and parthenogenesis in, (38) 458
yellow berry, studies, (36) 235.	fly
yellow leaf rust in Utah, (36) 48.	in California, (26) 859.
yellow rust in Russia, (35) 844.	in Japan, (26) 755.
yellow rust, studies, (34) 51, 349.	migration, (27) 357.
yield -	notes, (31) 850; (38) 654.
after cowpeas, (35) 826.	parasites, introduction into Florida, (27)
and quality as affected by rainfall, (30) 602.	860.
and quality, relationship, (30) 630.	pupae, weight, (27) 357.
as affected by climate, (31) 43.	remedies, (29) 262; (40) 455.
as affected by pasturing, (30) 633.	spiny citrus, notes, (37) 162; (38) 557.
as affected by weather, (38) 509.	spiny citrus, studies, (39) 864.
forecasting, (36) 209.	spiny, new host plants, (38) 459.
in Australia, (3b) 133.	studies, (27) 860; (36) 755. fly, woolly –
in India as affected by weather, (40) 716.	in Florida, (40) 856.
on alfalfa stubble, (33) 828. yield, relation to—	notes, (37) 659.
motorrology (34) 208, 319	notes and remedies, (27) 357.
meteorology, (34) 208, 319. moisture, (34) 338.	studies, (20) 251; (33) 59.
physical properties of soils, (33) 815.	grubs
physical properties of soils, (33) 815. rainfall, (28) 213; (30) 418; (36) 440.	bacterial disease of, (32) 61.
soil nitrate content, (40) 719.	bird enemies, (40) 547.
temperature, (33) 117,	bird enemies, (40) 547. common, (39) 264.
temperature, (33) 117, weather, (38) 14, 317; (39) 210.	control in wisconsin, (38) 155.
yield tests, experimental error, (39) 830.	destruction by hogs, (37) 26)
yields, (27) 734; (29) 138; (34) 228; (40) 735.	cradication, (34) 494. hyperparasites of, (34) 556.
yields	hyperparasites of, (34) 556.
and prices, 1866-1915, (36) 836.	in greenhouse soils, (34) 161.
diminishing, (31) 148.	in Manitoba, (39) 565.
error in, (28) 536. in Chester Co., Pennsylvania, (39) 621. in Europe, 1890-1915, (40) 93.	in Porto Rico, (34) 753; (39) 767, 868.
in Chester Co., Pennsylvania, (39) 621.	injurious to potators, (33) 352.
in Europe, 1890-1915, (40) 93.	injurious to sugar cane, (33) 750; (36) 658 753; (38) 161, 767.
or brownly as present across (me) to as	in innicus (a reliant (20) 959
Wheatstone bridge, use in biological studies, (34)	injurious to whent, (29) 252. insect enemies, (40) 552.
732.	life history, (38) 863.
Whey-	life history and remedies, (38) 54.
acidity, (40) 11.	life history and remedies, (38) 54. notes, (28) 256, 554, 653, 757; (29) 561, 653 (30) 454, 654, 656; (33) 252; (34) 752; (36)
acidity, antiseptic action, (37) 373.	(30) 454, 654, 656; (33) 252; (34) 752; (35)
analyses, (26) 171; (27) 377.	54, 363; (36) 854, 856; (37) 255; (38) 162.
as manure preservative, (27) 623; (28) 424.	parasites of, (29) 58; (34) 753.
ash analyses, (20) 861.	relation to proximity of trees, (35) 159.
butter, branding, (28) 278. butter, making, (32) 873.	romedies, (31) 549; (32) 246; (38) 863. revision, (35) 407. studies, (27) 856; (35) 700.
butter, making, (32) 873.	revision, (35) 467.
putter, manufacture, (36) 877.	studies, (27) 856; (35) 760.
butter, notes, (32) 270.	yacuum fumigation, (40) 256.
factors affecting specific gravity, (26) 478.	hended fungus, notes, (29) 852.
for infants, (33) 752.	laurel poisoning cattle, (30) 386,
for infants, composition, (35) 165.	lead as priming for paint, (33) 90. lead, effect on linseed oil, (28) 714.
for pigs, (26) 571; (33) 762.	mice, gestation period in, (28) 173.
from sheep and buffalo milk, analyses, (27) 576. heated, nutritive value, (34) 369.	mussel scale, notes, (20) 654.
lemonade, manufacture and analyses, (29) 173.	oak leaves, plant, food constituents, (37) 620
lemonade, notes, (27) 880.	oak, polyembryony in, (40) 226,
methods of analysis, (31) 114.	oak, polyembryony in, (40) 226, oak, ray system, (40) 153, pine, bark disease of, (31) 247.
pasteurization, (28) 277; (34) 673.	pine, bark disease of, (31) 247.
methods of analysis, (31) 114. pasteurization, (28) 277; (34) 673. pasteurization for calves, (36) 877.	
relation to muk constituents, (28) 176.	artitropod and gasteropod carriers, (39) 248 control, (39) 358, 653, 858; (40) 45, 348, 542 543, 852.
separation of croam from, (31) 375.	control, (39) 358, 653, 858; (40) 45, 348, 542
skimming at cheese factories, (36) 877.	043, 802.
specific heat, (32) 715. tosting for fat, (39) 182.	control in Vermout, (28) 852. Cronartium form of, (30) 152.
tosting for Int. (39) 182.	discussion (40) 150
utilization, (26) 779.	discussion, (40) 159.
yeast-like organisms in, (31) 772.	in Canada, (37) 558. Maine, (39) 554.
ants, see Termites.	Maryland, (39) 50.
fly brown fungus, notes, (27) 350.	Ontario, (39) 653.
fly, citrus—	life history, (88) 646.
control, (26) 247.	life history, (38) 646, notes, (26) 853; (27) 245, 253; (29) 554; (30) 746; (31) 54; (30) 454; (40) 53, 155.
control in Florida, (32) 349.	746; (31) 54; (30) 454; (40) 53, 155.
control in Texas, (26) 755.	on felled trees, (89) 254.
fungus disonsus of. (20) 251.	on Swiss pine, (37) 263.
in Argentina, (38) 260.	situation, review, (39) 758.
in Florida, (39) 161.	studies, (34) 750; (40) 545, 645, 852.
in Argentina, (38) 260. in Florida, (39) 161. notes, (31) 751; (34) 60.	pine—
remedies, (26) 859; (27) 758; (29) 53; (34) 451. studies, (28) 758; (35) 552.	Canadian volume tables, (26) 443.
studies, (28) 758; (35) 552.	damping-off of seedlings, (31) 640.
fly—	device for planting seeds, (30) 146. diseases of. (26) 853; (29) 851.
classification, (29) 54.	factors influencing correduction (22) 45
control in Florida, (27) 455; (28) 196. destructive to saltbush, (26) 859.	factors influencing reproduction, (38) 45. forest management, (30) 585.
	fungus diseases affecting, (26) 345, 752.
disenses, (30) 55. fumigation, (39) 161	fungus diseases affecting, (26) 345, 752. growth of scedlings, (37) 837. growth studies, (32) 840. in lows (31) 46
fungi, notes, (33) 58.	growth studies, (32) 840.
formers diverses water (OT) DEC	In Town (30) 40

```
Wind-Continued.
easterly, at Tatoosh Islands, Washington, (35)
   White-Continued.
                     planeting with red pine to insure against
planting with red pine to insure against
blister rust, (30) 146.
regeneration, (40) 842.
reproduction by wind-blown seed, (30) 750.
                                                                                                                                                                                                                                                                                                                619.
                                                                                                                                                                                                                                                                                                       effect ou-
                                                                                                                                                                                                                                                                                                       6110ct 04-
form of trees, (29) 27.
plants, (30) 30; (32) 825.
transpiration in plants, (30) 726.
erosion, notes, (29) 811.
foelm, of Greenland (ee, (38) 812.
foelm type, near San Francisco Bay, (38) 811.
forecasting, (35) 808.
                     reproduction by wind-blown seed, (30) 750. shavings, decomposition in soil, (40) 214. weather injury, (38) 219. weevil, see Pissodes strobi. yield tables for, (31) 538. sage, disappeurance on ranges, (39) 172. scale, notes, (20) 644. soours in calves, (20) 286; (34) 275; (38) 787; (40) 778
                                                                                                                                                                                                                                                                                                     forecasting, (35) 808, in the free aid, (31) 212, insurance, multial, in Illinois, (36) 791, motor, description, (28) 187, movement at Point Reyes Light, (26) 27, observations, working up, (31) 611, of United States, economic uses, (27) 511, of Yosenite Valley, (26) 211, origin of, (33) 321, pathological effects on plants, (30) 351, power—
                     scours in calves, treatment, (36) 675.
top, analyses, (30) 555.
top and its control, (40) 738.
weed as affected by top dressing, (26) 40.
   Whitefish-
  Whitefish—breeding in Switzerland, (35) 774.
creatmin content, (31) 760.
creatmin content, (31) 760.
doi:10.100.
Masurian Lakes of East Prussla, (31) 356.
Whitewashes, notes, (27) 599.
Whiting, use as a food, (38) 463.
Whooping cough, transmission by factory-infected candy, (34) 366.
Whotelberry, coloring matter of, (34) 709.
Wicker, rural structures of, (35) 88.
Wigeon-grass, culture for wild ducks, (33) 251.
Wild—
Wild—
                                                                                                                                                                                                                                                                                                         power-
                                                                                                                                                                                                                                                                                                                           determination, (30) 85,
generation of electricity by, (27) 388; (29)
                                                                                                                                                                                                                                                                                                                                      184.
                                                                                                                                                                                                                                                                                                                             use, (28) 187.
use in Egypt, (30) 788.
use on farms, (27) 481.
                                                                                                                                                                                                                                                                                                         relation to-
                                                                                                                                                                                                                                                                                                        grape downy nuldew, (28) 448,
potato late blight, (27) 544,
rôle in formation of soils, (31) 317,
rôle in land depletion, (37) 115.
     duck foods, propagation, (36) 753.
life conservation, treatise, (32) 447.
onions, eradication, (36) 740.
Willamette River basin, Oregon, hydrography, (32)
                                                                                                                                                                                                                                                                                                       role in fand replector, (37) 115. scale, Beautiort, (33) 321. sca, effect on inflorescence of pine, (38) 331. sca, on Long Island, (38) 200. storm of April 2, 1912, (27) 414. storms of May 25-1une 6, 1917, (37) 807. synoptic, and rainfall, relation, (35) 115.
Willia anomala, protein synthesis by, Willia anomala, protein synthesis by, aphid, ciant, notes, (33) 554.
beetle, imported, notes, (40) 754.
borer, see Cryptorhynchus lanathi. buprestid beetles on roses, (33) 256.
canker, studies, (39) 387.
caterpillar, notes, (20) 348.
galls, aeriferous tissue in, (37) 26.
grove plant louse, notes, (28) 254.
leaf beetle, see Galerucella decora.
posts, preservation, (36) 244.
rust, overwintering, (39) 553.
scale, notes, (28) 156.
tree caterpillar, notes, (28) 355.
witches' broom on, (33) 56.
wood midge, romedies, (29) 558.
Willows—
      Willia anomala, protein synthesis by, (27) 525.
                                                                                                                                                                                                                                                                                     velocity—
and elevation, (35) 115.
diurnal period, (33) 118.
offect on meteorological elements in atmosphere, (40) 715.
indicator, (35) 618.
Windbreak plants, variety tests, (40) 444.
Windbreaks—
artificial, tests, (28) 40; (30) 134.
for irrigated sandy soils, (32) 830.
for Montana, (40) 447.
for nilways, (38) 745.
notes, (37) 46, 147.
trees for, (33) 339.
use against frost, (27) 240.
Windmill—
generating plants, tests, (37) 387.
                                                                                                                                                                                                                                                                                                           volocity.
     Willows-
                         basket-
                       basket—
breeding, (28) 543.
culture, (31) 839; (32) 339.
culture experiments, (28) 147; (38) 644.
description of varieties, (28) 745.
for idain, (37) 244.
insect pests, (39) 557.
carpenter worm affecting, (31) 550.
cedidonylid files attacking, (32) 554.
change from radial to bilateral symmetry, (32).
                                                                                                                                                                                                                                                                                                           generating plants, tests, (37) 387.
homemade, description, (35) 189.
                                                                                                                                                                                                                                                                                        Windmills-
                                                                                                                                                                                                                                                                                       Windmills—
as a source of power, (31) 186.
economic use, (27) 511.
for electric lighting and power, (20) 788.
irrigation in India, (29) 891.
irrigation pumping, (20) 484; (38) 186.
pumping, (32) 87; (33) 391.
power, notes, (27) 790.
Windstorm at Feattle, Wishington, (29) 812.
Windstorm, sovere, in Indian, (20) 614.
Winestorms at Springfield, III., (26) 214.
     42f.
culture, (35) 747.
culture and preparation for market, (31) 49.
culture and use, (34) 347.
culture from irrigation canals, (37) 285.
insects affecting, (27) 654; (28) 453.
plantings, (38) 44.
Polyporus lucidus on, (39) 654.
water, black knot disease of, (28) 853.
Wilson, James, retirement, (28) 307.
Wilt disease of gardon plants, cause, (27) 223.
Wilt virus, studies, (40) 255.
                                    426.
                                                                                                                                                                                                                                                                                                           abnormal, treatment with milk or charcoal, (29)
                                                                                                                                                                                                                                                                                                         annormal, treatment with milk or charcoal, (29) 119.
acid reduction in, (35) 617.
acid iteration, indicators in, (30) 413.
acidity in, (36) 113.
acidity in, (37) 310.
adulterated, detection, (31) 412.
alcohol-free, preparation, (29) 312.
aldehydes in, (37) 805.
aldehydes in, (37) 805.
alleyses, (26) 312; (29) 119; (30) 612, 712; (35) 617; (38) 801; (37) 12, 310; (38) 203.
arsenic content, (20) 841.
as affected by gratting, (28) 437.
as affected by phosphates, (27) 326.
bibliography, (31) 339.
blending, (35) 647.
bromin absorption of, (31) 412.
by-products, utilization, (28) 512.
chemistry of, (20) 512.
chemistry of, (20) 512.
clarification, (39) 114.
composition as affected by clarification, (29) 414.
       Wilting
                        coefficient determinations, use, (28) 537.
coefficient of soils, dilatometer method, (40) 22.
determination, (40) 427.
in plants, studies, (34) 728.
     Wind—
at Mount Tamalpais, Calif., (36) 419.
avalanche, at Juncau, (37) 513.
dissemination of—
chestaut blight by, (31) 451.
glpsy moth by, (28) 556.
red spider by, (30) 739.
diurnal variation, (32) 810; (39) 17.
easterly, at Blue Hill Observatory, (29) 721.
```

Wine-Continued.	Wintergreen -
crystalline deposits in, (30) 612. definitions, (31) 114.	extract, analyses, (35) 663. oil, manufacture in India, (38) 9.
determination of solids in, (32) 715. diminution of acidity in, (20) 117.	Winters-
diminution of acidity in, (29) 117. diseased, examination and treatment, (30) 712.	classification, (29) 120; (32) 810. of eastern United States, (32) 810, 811.
diseases, notes, (26) 512.	of Washington and Paris, (32) 810.
distillation residues, utilization, (32) 200.	Winthomia -
dry, handbook, (26) 715. effect of X-rays on fermentation, (27) 231.	fumiferanae n. sp., description, (27) 457. quadripustulata
exports from South Australia, (29) 837.	notes, (31) 752; (36) 255.
fermentation, (35) 616, 647. fermentation -	parasitic on army worm, (34) 251. studies, (39) 659.
action of manganese sulphate in, (38) 507.	Winthrop Farm School, Rock Hill, South Carolina,
changes in, (30) 612. sulphurous acid and selected yeast in, (36)	(34) 597. Winton disease in cattle and horses, cause, (26) 780.
113.	Wire—
formation, (31) 13.	cage for pot experiments, (32) 514.
from American native grapes, (30) 16; (35) 647 fruit, fermentation, (37) 509.	fonces, construction, (34) 487; (35) 88; (37) 886, fences, cost data, (34) 486, fences, deterioration, (27) 793.
irini, manunciure, (an) aon.	fences, deferioration, (27) 793.
fruit, pure yeast in, (36) 509. grape and fruit, lactic acid in, (31) 315.	fencing materials, composition, (35) 587. frames for beans and peas, (33) 891.
growers' schools, instruction in, (30) 195.	insect cages, shading effect, (36) 455, rope, tests, (35) 202.
home manufacture, (40) 116. Hungarian, analyses, (36) 466.	Wireless telegraphy, use in meteorology, (32) 117.
Hungarian, production and composition, (35)	Wireworm, common, larval and pupal stages, (37)
266.	765. Wireworms—
industry in— Argentina, (31) 47.	destructive to cereal and forage crops, (35) 261.
Argentina, (31) 47. California, (26) 46; (35) 343, 646.	false, of Pacific Northwest, (27) 259.
New South Wales, (27) 442.	false, studies, (39) 363. in corn, (29) 858.
Spain, (27) 540; (35) 744.	corn, extermination, (26) 753.
German East Africa, (27) 40. New South Wales, (27) 442. Spain, (27) 540; (35) 744. United States, (35) 744. Uruguny, (32) 744. lead arsenated n, (27) 243. "Teclair bleu" test, (40) 311. less dried fertilizing value, (20) 129.	ostriches, life history, (35) 678. sheep, treatment, (27) 683: (28) 586.
lead arsenatel n, (27) 243.	injurious to potatoes, (37) 157.
"l'eclair bleu" test, (40) 311.	injurious to strawberries, (32) 556. life history and remedies, (38) 54.
lees, dried, fertilizing value, (29) 129. making—	life history and structure, (29) 476.
congrative societies in France (24) 690	notes, (29) 252, 653; (30) 454, 753; (31) 155; (32) 753.
experiments, (30) 612; (37) 144. grapes for, fermentation organisms, (40) 110 investigations, (28) 209; (36) 801. methods, efficiency, (32) 208. notes, (29) 414; (32) 117, 208.	protection of seed corn from, (33) 657.
investigations, (28) 209; (36) 801.	remodies, (32) 240; (36) 758, studies, (30) 546; (32) 555; (40) 647.
methods, elliciency, (32) 208.	twisted, in sheep, (40) 88.
School at Klosterneuburg, report, (28) 414.	Wisconsin-
yeast and sulphurous acid in, (34) 207.	Potato Growers' Association, report, (28) 738. River flood, (28) 415.
manufacture, treatise, (26) 512. methods of analysis, (26) 805; (27) 205; (30) 612;	River flood of October, 1911, (26) 614.
(31) 114.	rivers, profile surveys, (37) 84. Station—
microorganisms in, (29) 209. of high alcohol content, fermentation, (36) 716.	association, report, (35) 899.
orange, manufacture, (30) 814.	financial statement, (28) 899.
pentose and furfured formation in, (31) 316. pomace, composition and detection, (36) 205.	notes, (26) 195, 600; (27) 100, 800; (29) 399, 700; (30) 498, 600, 690; (31) 799, 900; (32) 199, 398; (33) 790; (34) 98, 397, 398; (37) 99, 198; (38) 289; (39) 97; (40) 200, 900,
preparation, (27) 412.	199, 398; (33) 796; (34) 98, 396, 798; (37) 99,
preparing and conserving, (35) 343. press residues, utilization, (29) 117.	
press residues, utilization, (29) 117. production in Spain, (27) 344; (20) 439; (31) 238; (33) 539; (36) 742; (30) 845. production in United States, (33) 894.	report of director, (28) 890.
(33) 539; (36) 742; (30) 845. production in United States, (33) 891.	800: (28) 398, 495: (29) 99, 399, 700: (30) 498,
quanty as affected by moness of soils, (26) 813.	000, 600; (31) 600, 700, 900; (32) 109, 000; (33)
refermentation, (30) 612. residues, methods of analysis, (31) 806.	Tuport of director, (28) 899 (16), 600; (27) 100, 800; (28) 398, 495; (29) 195, 496, 600; (27) 106, 800; (28) 398, 495; (29) 99, 399, 700; (30) 498, 600, 699; (31) 600, 709, 600; (32) 199, 100; (33) 700; (34) 98, 309, 708; (38) 699; (37) 90, 108; (38) 99, 299; (30) 97; (40) 200, 900.
secondary fermentations in, (30) 712.	A Line Talling That Chefter Children Heart Think the Children
utilization, (27) 441.	477. Wistoria—
vinegar disease, treatment, (37) 314. white, sulphurous acid in, (29) 264. yeast, effects of salts on, (38) 503. yeasts in, (30) 711, 712; (33) 802. yellow coloring matter in, (31) 412.	Chinese, crown gull of, (29) 547.
yeast, effects of salts on, (38) 503.	Chinese, crown gull of, (29) 547. gull fly, notes, (29) 159. ged as affected by pod position, (34) 134.
yellow coloring matter in, (31) 412.	WILCH WORL, CINICIPIE OIL, (30) 230.
Wines— Californian, analyses, (28) 461.	Witches' broom - assimilation of earbon dioxid by, (35) 132.
plastered, tablet reagents for, (20) 608.	cone hearing and cardiffery in (31) 947
Winnemana argel n.g. and n.sp., description, (26) 63.	false, in cricacoous plants, (40) 728.
Winter-	false, in ericaceous plants, (40) 728. nonparasitic, notes, (28) 551. notes, (31) 540; (37) 47.
cress, destruction, (26) 333.	on hickory trees, (38) 253. winter rest in, (34) 135.
oress, destruction, (26) 333. cress, eradication, (37) 742. indoor aridity, (37) 807.	Winter rest in, (34) 135. Witchweed, life history, (26) 440.
injury in plants, overcoming, (28) 639.	Witgathoom as chicory substitute, (40) 508. Witloof, culture, (28) 339.
minimum temperature, forecasting, (35) 115. moth problem, (40) 547.	Witloof, culture, (28) 339. Woburn Experimental Fruit Farm, report, (38) 540.
moth problem, (40) 547. moth, small, notes, (33) 666. of 1916-17, (37) 513, 807. of 1916-17 in British Isles, (37) 418.	Woburn field experiments, (37) 229.
01 1916-17, (37) 513, 807. of 1916-17 in British Islas (37) 418	Wohlfartia magnifica parasitizing man, (38) 783.
OI 1017-18, (30) 114.	Wold grass, yields, (30) 134. Wolf moth, notes, (33) 252.
stratus, formation, (37) 116. weather in Florida, (28) 415.	womena ruiorum n.g. and n.sp., description, (88)
	588.

Wollastonite, fertilizing value, (32) 622; (40) 815.	Wood-Continued.
Woman inovement in German Switzerland, (37)	boring
793. Women—	beetle, notes, (39) 234, crustace ins. bibliography, (36) 46.
adult, cost of food for, (35) 861.	insects, investigations, (32) 755.
agricultural— education for, (36) 793.	ealorific nower. (35) 347
instruction for, (28) 296, 793; (30) 298, 495,	insects, investigations, (32) 755, moth in Lesser Antilles, (32) 551, calorific power, (35) 317 cell wall, digestibility, (36) 563, chemistry of, (30) 10; (37) 502, 710,
793; (33) 596.	coloring in living sprace, (27) 527.
workers in Germany, (33) 190; (37) 191. as affected by muscular work, (29) 568.	coniferous, gross and uncroscopic structure, (31)
city and country, cooperation between, (29)	743. creosoted, disappearance of phenols from, (20)
clerks in Bank of England, free luncheons for,	111.
(30) 166.	ereosofing, (26) 50; (39) 394. erop of the farm, (40) 792.
cooperation among, (30) 395. creatinuria in. (39) 873.	decay, studies, (37) 109, 727.
employment in experiment stations, (38) 4.	density and porosity, (32) 47. destroying funci, (39) 255.
employment on farms, (38) 293. farm—	destroying fungi
associations of, (31) 98.	abortive sporophores of, (33) 552, black zones of, (38) 555.
clubs for in France, (30) 200. needs of, (32) 890.	descriptions, (31) 247.
publications for, (30) 197. immigrant, fecundity of, (30) 592.	differentiation, (38) 652. new hosts for, (37) 846.
in agriculture. (32) 389.	notes, (32) 54.
in agriculture, (32) 389. agriculture, organization in Belgium, (27) 91.	studies, (40) 350. destruction by funci, (34) 517. determination of collulose in, (30) 614.
English agriculture, (39) 689. horticulture and agriculture, (34) 492.	determination of cellulose in, (39) 614.
relation to English agriculture, (35) 891.	diseased, impedding and staining, (40) 813.
rural districts, small industries among, (32) 89.	disinfection, (34) 780. distillation experiments, (31) 19.
metabolism, (40) 174.	distillation in United States, (30) 744, 845.
on farms in Italy, (31) 593. on farms, needs of, (33) 294.	dry rot affecting, (31) 248, 547. dry rots, studies, (33) 451.
metabolism, (40) 174. on farms in Italy, (31) 593. on farms, needs of, (33) 201. peasant, in agricultural societies in Italy, (40)	electrical resistance, (35) 347.
790. phosphorus and calcium requirements, (39) 364	elements, longevity and death of, (28) 644. elm, (30) 546.
rôle in agriculture, (31) 98.	fiber, analyses, (27) 371.
rôle in rural economy, (29) 898. rôle in rural improvement, (28) 296.	flour, nature and use, (34) 839. for street paving, merits, (28) 645.
rural clubs for, (35) 90. rural organizations for, (32) 98.	for war uses, (38) 47. fuel—see also Firewood.
short course for, in University of Missouri, (30)	production and use, (38) 847.
462.	situation, (10) 153.
teachers, agriculture for,(26) 898. training for farm work, (36) 394, 496.	situation, (10) 153. tests, (20) 544. use, (40) 300, 641.
training in State colleges, (32) 491.	Value, (31) 391.
workers in agriculture, (40) 891. working, food of, (38) 64.	greening, cause, (32) 311. growth and structure as affected by defoliation.
Women's-	(30) 228.
clubs, outlines for, (34) 599. institutes, (39) 499.	hardness, tests, (32) 543. heat of absorption of water in, (29) 135.
Institutes—	identification, (33) 143, 207; (38) 645.
in British Columbia, (28) 792; (32) 392. Canada, (34) 597.	impregnation with creosote oils, (28) 844. industry of Dutch East Indies, (30) 697.
New Brunswick, (32) 496; (37) 895. Nova Scotin, (32) 698.	insulated, manufacture, (29) 444. loopard moth, notes, (28) 353.
Nova Scotia, (32) 698. Ontario, (28) 695; (36) 692; (38) 196.	lico, check-list, (40) 547.
Ontario, (28) 695; (36) 692; (38) 196. rural organizations, (40) 93.	lice, economic, of British Isles, (31) 758.
share in agriculture, (26) 299. Work in agriculture in peace and war. (35) 395.	manufacture of sugar from, (28) 571. meal, proparation and use, (30) 307.
work in agriculture in peace and war, (35) 395. Wood—see also Timber and Lumber.	mechanical failure, (29) 543.
absorption of crossote by, (27) 846. aging artificially, (29) 444.	nutritive value. (34) 561; (36) 561.
aging artificially, (20) 444. American, durability tests, (35) 241, 656. analyses, (34) 425, 561.	mechanical fallura, (29) 543, microscopic identification, (37) 46, nutritive value, (34) 561, (36) 561, of trees, regional sprend of moisture in, (40) 541,
analyses and nutritive value. (35) 164.	of withow as affected by 1 or y horus mentus, (a)
analyses and nutritive value, (35) 164. analyses and use as human food, (33) 866. anatomical variations in, (36) 447.	oil, Chinose—
as building material, manual, (35) 147.	detection, (28) 412. notes, (30) 616.
ashes	polymerization, (34) 607.
analyses, (26) 715; (32) 424, 520; (33) 723, 819, 821; (34) 521; (35) 127, 128; (36) 27; (38) 521, 625; (40) 517, 621.	oil tree, Chinese— culture in United States. (30) 535.
521, 625; (40) 517, 621.	culture in United States, (30) 535. notes, (28) 843; (32) 539.
analyses and use, (34) 519. as corrective for cottonseed meal toxicity,	oil trees of China and Japan, (30) 46. paying blocks, improving strength of, (28) 441.
(34) 79.	paving experiments in Minneapolis, (26) 544.
as source of potash, (37) 427, 722, 817; (40) 320.	pea sliage, analyses, (29) 270. penetration by—
as top dressing for hay, (28) 325.	gases, liquids, and finely divided solids, (28)
fertilizing value, (33) 227; (38) 230; (39) 116, 429; (40) 129, 134, 239.	744. inorganic salts, determination, (26) 242.
undieached, fertilizing value, (29) 632.	pewee, food habits, (38) 457.
use against mosses, (29) 741. utilization, (33) 819.	pipe for irrigation water, (32) 585. pipe for water supply, (36) 87.
ball test for hardness, (28) 441.	pipe for water supply, (86) 87. pipe, life of, (34) 388.
blocks, use in paving, (33) 890. borers, flat-headed, biology, (39) 467.	pipes, specifications, (37) 487. pith-ray flecks in, (29) 44.
borers, notes, (32) 552.	powellized, detection, (20) 142.

Wood-Continued.	Wood—Continued.
preservation, (28) 741; (29) 444; (30) 147, 646, 647;	waste as source of ethyl alcohol, (40) 17.
(31) 810; (33) 815; (35) 843; (38) 248, 249, 317; (39)	waste, utilization, (26) 613; (29) 149; (30) 711 (31) 839; (35) 748, 843; (39) 146
292.	(31) 839; (35) 748, 813; (39) 146
preservation—	waste utilization, treatise, (35) 148.
handbook, (36) 811.	water conductivity, (40) 821.
importance, (34) 210.	Woodchuck, host of spotted fever tick, (26) 61.
papers on, (36) 45. teathook, (33) 213.	Woodchucks—
with fluorids, (27) 148; (30) 239.	relation to spotted fever, (31) 160. revision, (33) 57.
preservative, siliceous, notes, (30) 647.	Wooden flumes, design and construction, (36) 586
preservatives—	Woodhouse, E. J., biographical sketch, (39) 200.
analyses, (29) 344.	Woodland -
containing fluorin, (30) 616.	and prairie, ecology of tension zone, (38) 521.
investigations, (28) 141.	surveys, graphic calculation in, (40) 153.
tests, (32) 309, 841,	Woodlands-
toxicity, (33) 651.	British, yield tables, (27) 646.
toxicity, (33) 651. use, (27) 716.	farm, development under Smith-Lever Act
valuation, (27) 746.	(40) 641.
preserving industry in America, (28) 811; (30)	management, (38) 543.
347.	of Guindos hacienda in Chile, (35) 842.
preserving oils, antiseptic tests, (29) 111.	on the farm, (39) 546.
products, relation to woodpeckers, (26) 58.	Woodlawn school garden, description, (31) 393.
protection against decay, (27) 618.	Woodlot products
protection against dry rot, (26) 544.	handling and marketing, (38) 543. marketing, (34) 839; (35) 147, 453; (36) 45, 241
pulleys, tests, (28) 590.	745, (27) 105 540 100 005, (40) 240 744
pulp—	745; (37) 195, 548, 838, 895; (40) 343, 744.
ground, notes, (35) 114. industry in Canada, (34) 48.	marketing cooperatively, (32) 192. uso, (36) 745.
industry in United States, (37) 748; (38) 447.	Woodlots—
manufacture (37) 148.	care and improvement, (34) 839.
manufacture, soda process, (31) 715. mills of United States, (40) 641. production in 1917, (40) 543.	county or community working plans. (35) 841.
mills of United States, (40) 641.	farm. (33) 242.
production in 1917, (40) 543,	farm, handbook, (31) 640.
sulphite process. (38) 809.	farm, handling, (35) 242.
sulphite process, (38) 809. trentise, (26) 142.	farm, notes, (28) 807.
resigne as a reaging still, (30) and.	farm, (33) 242. farm, handbook, (31) 640. farm, handling, (35) 242. farm, notes, (28) 807. for central Indiana, (27) 442.
resinous tracheids, (39) 451.	
resinous tracheids, (39) 451, rich resinous, studies, (28) 826, sawing rigs, (40) 588.	growing from seed, (27) 148. improvement, (39) 546. in custern United States, (37) 245.
sawing rigs, (40) 588.	improvement, (39) 546.
screws, transverse strength of, (30) 889.	More England (27) 451
seasoning, (37) 886. seasoning, treatise, (38) 248.	New England, (37) 451.
specific heat. (28) 50.	Wisconsin, (36) 744.
specific heat, (28) 50. specimens in Madras Government Museum,	United States, (35) 716. Wisconsin, (36) 744. management, (27) 745; (28) 147; (31) 445; (36)
(37) 748.	447; (37) 451. notes, (32) 440; (38) 348, 847.
spectrophotometric investigations, (32) 144.	notes, (32) 440; (38) 348, 847.
stave pipe, construction and use, (33) 886.	regenerating, (38) 816.
stave pipe, use, (31) 685. stave pipe, use in irrigation, (29) 84. structure, bibliography, (28) 744; (20) 344. structure of East Indian pines, (30) 46.	survey in New York, (34) 741.
stave pipe, use in irrigation, (29) 84.	taxation, (39) 247.
etricture of Fast Indian pines (20) 46	Woodman's— certificate of English Aboricultural Society
structure terminology (28) 442	(28) 795.
structure, terminology, (26) 442.	handbook, (27) 846; (36) 446.
sugar from, (30) 711.	Woodpecker-
substitutes for, (38) 248. sugar from, (30) 711. sycamore, distinguishing characters, (39) 50.	Januica, economic status, (40) 254.
testing, large v. small test pieces, (28) 441.	Lewis, feeding habits, (20) 51.
tick, control in Bitter Root Valley, (29) 658.	Woodpeckers-
tick, notes, (37) 450.	British, food habits, (35) 460.
transportation in French colonies, (30) 447.	destructive to codding moth, (27) 559.
transverse strength in, (35) 317.	destructive to leopard moth, (26) 557.
turpentine, production and uses, (26) 413.	of Colorado, (39) 556. partridge, coccidiosis in, (26) 187.
turpentines, investigations, (28) 512. use, (33) 207.	relation to trees and wood products, (26) 58.
used by manufacturers in Canada, (26) 644.	Woods
using industries in -	American
Arkansas, (27) 443.	handbook and bibliography, (27) 42.
Connecticut, (28) 644.	specific gravity and weight, (30) 445.
Florida, (20) 644.	specific gravity and weight, (30) 445. specimen book, (26) 442; (30) 445.
Indiana, (34) 153.	LV10808 1n. (30) 844.
Iowa, (30) 46.	cedar, characteristics and use, (29) 842. commercial, of United States, (26) 50.
Kentucký, (34) 839. Mnine, (28) 743.	commercial, of United States, (26) 50.
Vining, (28) 743.	Coniophora corebella on, (39) 553. dicotyledonous, intercellular canals, (39) 145.
New Hampshire, (29) 240.	
New York, (30) 536; (38) 146.	Kerry, notes, (27) 646.
Ohio, (30) 536.	managamant. (27) 745.
Ontario, (29) 843. Prairie Provinces, Canada, (33) 646.	oak, of North America, (26) 338.
Quebec. (39) 648.	management, (27) 745. oak, of North America, (26) 338. of Alaska, (20) 342.
South ('arolina, (30) 536.	America, mechanical properties, (28) 440.
United States, (38) 751.	Argentina, (28) 239.
Quebec, (39) 648. South ('arolina, (30) 536. United States, (38) 761. Vermout, (28) 843. West Vierbies (38) 44.	Brazil, (34) 440.
West Virginia, (35) 44. utilization, (28) 50. utilization, 761e of chemistry in, (34) 536. vessels in, notes, (26) 51. vingery condensation (35) 347.	British Guiana, (35) 543; (30) 647.
utilization, (28) 50.	Duton East Indies, (39) 246.
utilization, role of chemistry in, (34) 538.	INGO-UNINA, (40) 46.
vessels in, notes, (26) 51.	1910Htaua, (00) 022.
Valume on i increment tables (24) 749	()hin. (85) 147.
Washs, Noorelie, (20) 200	Pacific coast, handbook, (35) 649.
vinegar, condensation, (35) 347. volume and increment tables, (34) 743. wasps, Nearctic, (39) 809. wasps, studies, (30) 59.	of Alaska, (20) 342. America, mechanical properties, (28) 440. Argentina, (28) 230. Brazil, (34) 440. British Guiana, (35) 543; (30) 647. Dutch East Indies, (39) 246. Indo-China, (40) 45. Montana, (30) 542. Now York, structure, (35) 897. Ohio, (36) 147. Paclific coast, handbook, (35) 649. Philippines, (36) 644.
4 4	

```
Wool—Continued.
prices, 1818-1915, (38) 575.
prices of in Ireland, (31) 96.
Woods—Continued.
of Philippines, identification, (29) 747; (33)
                                        841.
                                Philippines, tests, (28) 343.
Philippines, uses, (28) 439.
Queensland, (37) 548.
                                                                                                                                                                                                                                                                                                                      production -
                                                                                                                                                                                                                                                                                                                                          and marketing, (28) 73.
and prices in United States, 1908-1918, (40)
                                Sao Paulo forests, (39) 351.
United States, (30) 46.
United States, manual, (27) 541.
United States, mechanical properties, (28)
                                                                                                                                                                                                                                                                                                                    as affected by sulphur, (28) 872. centers in United States, (26) 386. centers in United States, (26) 386. centers in United States, (26) 386. centermington, and prices, (31) 668. in Algeria, (27) 71. Australia, (30) 372. Australia, (38) 372. Australia, (38) 372. io. (20) 370. United States, (38) 874. inheritance, (34) 74. statistics, (33) 73. properties, (33) 670. quality as affected by fineness, (32) 365. scouring and dyeing, (35) 375. scouring wastes, analyses and treatment, (34) 688.
                   Sits, (37) 885, protection against fungi, (27) 354, relative durability, (28) 345, resinous, distillation by saturated steam, (27)
 745.
resinous, utilization of was(e, (28) 512.
Rocky Mountain, for telephone poles, (30) 843.
treated, strength, (26) 340.
Woodworking—
agricultural, for schools, (36) 693.
eversiese for agricultural school shops, (30)
                                                                                                                                                                                                                                                                                                  scotring wastes, thanyoes that treatment, (s4 688, soourings as source of potash, (34) 328, separating from hides, (28) 288, shearing, packing, and storing, (31) 666, shrinkage in weight, (31) 372, statistics, (30) 871, statistics in United States, (28) 360, strength and elasticity tests, (26) 769, studies, (35) 477, sulphite in, (28) 311, tensile strength and elasticity, (33) 762, textbook, (37) 864, trade, torms used in, (33) 270, treatise, (31) 268; (32) 365, waste, analyses, (32) 32, waste, availability of nitrogen in, (38) 423, waste, fertilizing value, (29) 129; (33) 125, 327, waste, fertilizing value, (29) 129; (33) 25, 327, waste, analyses, (35) 203.

Woolen mill shoddy dirt, analyses, (32) 32.
                     problems, (35) 298, 898.
  Woody-
                    aster-
                     aster—
analyses, (20) 503.
identification, (29) 77.
notes, (31) 578.
poisoning of sheep by, (28) 197.
tovicity, (39) 184.
cuttings, stimulation of root growth, (39) 826.
plants, *e* Plants.
tissues, alterations in, (30) 223.
                   issues, attentions in, (30) 223.

sol—

alkali and weathering studies, (39) 172.

amino group in, (34) 202.

as affected by dips. (30) 584.

black and white, nitrogen ratios in, (30) 707.

breaking strength determination, (30) 774.

Canadian, classification, (32) 771.

changes in weight during storage and transit, (29) 467.

characterisitics, (36) 270.

clips, successive, weights, (39) 775.

contest, notes, (20) 69.

dead fibers in, studies, (36) 473.

determination of quality, (30) 270.

disinfection, (40) 783.

dust, analyses, (23) 523.

dynamometer for testing, (32) 261.

effect of dips on, (33) 571.

exports from Feeiand, (27) 469.

flut, absorption in the intestine, (29) 768.

fat, stearin of, (20) 612.

fortilizer, analyses, (28) 727.

fortilizing value, (20) 323; (35) 126.

fiber as affected by humidity, (39) 774.

fiber, strength and elasticity, studies, (20) 570.

grading, microscopic method, (33) 171.

handling and marketing, (33) 270; (34) 205, 372.

hydroscopic qualities, (26) 473.

industry—

in Australisla, (29) 872; (32) 261; (33) 270.
                                                                                                                                                                                                                                                                                                       Woolly-
                                                                                                                                                                                                                                                                                                     woolly—
aphis, see Aphis, woolly, and Apple aphis,
woolly.
bear caterpillars, (33) 97.
thistle, geographical distribution, (26) 335.
Work, effect on milk yield and fut content, (30) 475.
Work mental, effect on metabolism, (27) 273.
Working—
                                                                                                                                                                                                                                                                                                                        classes in America, standard of living, (26) 157.
classes, standard of living, (20) 766.
power in mon as affected by breakfast and
caffein, (39) 68.
                                                                                                                                                                                                                                                                                                                        rm—

killer, analyses, (33) 735.

nosts in Australian cattle, (20) 183.

noticles in Australian cattle, (31) 182.

noticles in cattle, (28) 680; (32) 376, 377; (33) 154;

(34) 581, 582; (37) 181; (38) 82; (30) 589, 862.

parasites of Queenshand, (31) 576.
                                                                                                                                                                                                                                                                                                  Parastes of Science (29) 783.

hogs, diagnosis, (33) 278.

hogs, potes, (31) 286.

hogs, treatment, (33) 86; (35) 488.

sheep, treatment, (30) 86; (37) 488.

swine and goats, (37) 779.

injurious to pigs, (27) 181.

intostinal, inoculation of disease germs by, (20) 658.
                        nytroscopic quantics, (29) 740.
in Australisia, (29) 872; (32) 261; (33) 270.
Australia, (20) 570.
British Empire, (28) 871.
New Zoaland, (31) 467.
United States, (26) 380; (30) 870; (31) 167,
                        808. instruction in New South Wales, (20) 799. statistics, (38) 473, 709; (39) 477. treatises, (40) 875. investigations, (30) 568; (32) 770. maggots of sheep in United States, (34) 554. manual, (26) 874. marketing, (29) 194, 467. marketing cooperatively, (34) 91; (38) 494. marketing in Canada, (33) 470. monograph, (28) 208. notes, (27) 373. of primitive sheep, (29) 469. of wool-producing and of kemp-producing
                                                                                                                                                                                                                                                                                                        658.
parasitic—
dispersal of eggs of, by flies, (30) 658.
of Queensland, (32) 399.
remedies, (33) 782.
trunsmission by flies, (38) 563.
removing, (40) 482.
Wormseed, notes, (31) 145.
Wormwood oil industry in Wisconsin, (34) 237.
Wort, esmoile pressure and electrical conductivity of, (30) 523.
                                                                                                                                                                                                                                                                                                            Wound-
                                                                                                                                                                                                                                                                                                                              dressings for orchard and shade trees, (32) 637. infection, pathogonic annerones in, (38) 483, 503, 504. organisms, counting and identifying, (38) 782. parasitism and predisposition in plants, (38)
                              preparation and manufacture, (32) 170.
preparation for market, (20) 703.
preparing and grading for export, (27) 71.
price calculator, description, (38) 774.
                                                                                                                                                                                                                                                                                                                               tissue formation, notes, (34) 249.
```

Wounds-	Xenoparasitism, structural relations in, (28) 332;
bacteriological examination, (40) 180.	(30) 223.
dressing with sugar, (36) 178. harness, treatment, (39) 85.	Menopsylla cheopis— bionomies of, (29) 756; (31) 353.
of animals and their treatment, (40) 84.	distribution on rats, (29) 755.
ptomaines in, (38) 783,	remedies, (31) 353.
septic, anaerobes from, (39) 488.	Xenufens ruskini n.sp., description, (34) 556.
septic, anacrobes from, (39) 488. tetanus bacilli in, (39) 380.	Xeromorphy in marsh plants, studies, (27) 829.
treatment, (26) 580; (31) 675, 876; (36) 882; (36) 479; (37) 176, 477, 688, 870; (38) 283, 585, 782; (39) 286, 387, 680, 885; (10) 13, 83, 84, 181, 182, 285, 581, 678, 670, 779, 882, 883, 884.	Nerophily of ericads, relation of winter to, (31) 728.
479; (37) 170, 477, 088, 870; (38) 283, 080, 782;	Xerophthalmia, relation to diet, (38) 268. Xestopsylla gallinacea, see Hen flea.
285. 581. 678. 679. 779. 882. 883. 884.	Xiphidium varipenne, notes, (27) 155; (31) 249.
Wrons, house, egg-laying cycles, (37) 869.	Xiphydria, Nearctic species, (39) 869.
Wurttemberg Cheese School and Experiment Sta-	X-rays, see Roentgen rays.
tion, (30) 898.	yiaria- polymorpha and X. digitata, notes, (38) 219.
Wyoming—	polymorpha, notes, (36) 619.
state engineer, report, (36) 885. Station—	spp. on apple roots, (37) 457, 754.
financial statement, (26) 599; (28) 599.	spp., relation to black root rot, (40) 251.
notes, (27) 700; (28) 399; (29) 399, 600; (30) 700; (31) 199; (32) 398, 498, 900; (33) 600;	vagans n.sp., description, (35) 211.
700; (31) 199; (32) 398, 498, 900; (33) 600;	Xylebiops basilare—
(34) 497; (35) 98; (36) 697; (37) 198, 300, 899; (38) 99, 800; (30) 600; (40) 99, 499, 900.	notes, (38) 762. on pecon, (38) 157; (39) 557.
publications, index, (33) 299.	studies, (31) 852.
report, (30) 697; (32) 796; (34) 691; (37) 396;	Xyleborinus (Xyleborus) pecanis, notes, (38) 752.
(39) 196.	Xyleborus—
report of director, (26) 599; (28) 599.	coffene, notes, (27) 158. compactus, notes, (31) 849.
University, notes, (26) 690, 797; (27) 700; (28) 399; (29) 399; (32) 398, 498, 900; (34) 497; (35)	commonotive etailine (20) 750
98; (37) 99, 198, 300, 309, 899; (38) 99, 500; (39)	dispar, notes, (27) 857; (30) 161; (31) 61; (34)
98, 198, 400; (40) 99, 900.	dispar, notes, (27) 857; (30) 161; (31) 61; (34) 851; (37) 255.
Wyomingite, composition, (35) 503.	dispar, studies, (29) 858. fornientus, digest of duta, (38) 564. fornientus, notes, (32) 758, 852; (40) 266, 453. immaturus in Hawaii, (34) 59. immaturus, notes, (29) 234. parvulus, notes, (28) 353. perforans, notes, (28) 354. sp. notes (28) (67) 53 852; (31) 249; (32) 554.
Xanthin— action on isolated intestine, (37) 471.	fornientus, notes (32) 758 852 (40) 266 453
bases, determination in cocoa, tea, and coffee,	immaturus in Ilawaii, (34) 59.
(30) 810.	immaturus, notes, (29) 234.
cleavage in the human body, (27) 272.	parvulus, notes, (28) 353.
effect on plant growth, (28) 324.	periorans, notes, (20) 354.
in tea, (31) 358. occurrence in rabbit meat, (26) 563.	sp., notes, (26) 60; (29) 53, 858; (31) 249; (33) 554. spp., notes, (27) 458; (28) 555; (29) 158.
Xanthium—	SDD., Studies, (31) 852.
canadense, eradication, (36) 836.	xylographus, studies, (39) 65. Xylina—see also Green fruit worm.
canadenso, variations in. (30) 729.	Xylina—see also Green fruit worm,
isolation of types in, (34) 32. peculiar modifications of burs in, (35) 227.	bethunei, carnivorous habits, (31) 255. sp., notes, (27) 755.
peculiar modifications of burs in, (35) 227.	spp. remedies, (33) 59.
seed coat, investigations, (30) 132. seed, germination, rôle of oxygen in, (30) 629.	Xyloblops, see Xylebiops.
seed, germination studies, (26) 531.	Xylomoges suma, remedies, (37) 256.
spp., eradication, (37) 542.	Xylometer, description, (38) 46.
strumarium, analyses, (33) 466.	Xylomiges eridamia on castor bean, (40) 453. Xylophagus lugens, notes, (28) 158.
Xanthogramma—	Xylophruridea agrili—
divisa, life history, (38) 362. grandicornis, notes, (27) 656.	n.g. and n. sp., notes, (32) 250.
scutellaris, notes, (30) 156.	n.sp., description, (29) 563.
Xanthohumol from hops, (31) 311.	Xylorrhiza parryi, analyses, (26) 503. Xylose—
Xanthomelanodes peruanus, notes, (29) 358.	behavior in fermenting mixtures, (27) 502.
Xanthophyll	decomposition by yeast, (36) 600.
claboration in Iris germanica, (34) 524.	determination, (26) 709; (37) 617. isomeric fetracetates of, (31) 108.
fate of during digestion, (31) 275. formation, (20) 827; (37) 632.	isomeric retracetates of, (31) 108.
pigment, claboration, (38) 127.	preparation from corncobs, (40) 17. preparation from cottonseed hulls, (37) 410.
spectro-colorimetric estimation in plants, (31)	reducing power, (33) 314.
520. Xanthorhoe praefectata -	α-d-Xyloso, crystallography and optical properties,
life history and remodies, (38) 257.	(40) 202. Videthylman
parasites of, (30) 159.	flavipes, injurious to silk, (27) 456.
studies, (40) 265.	gibbleollis, lead-boring, (39) 467.
Xanthorrhoen— quandrangulate, resin formation, (40) 419.	Nylotrechus neeris n.sp., description, (37) 566. Nylotrys sp., notes, (31) 254. Yucca gum, notes, (40) 449.
spp. of South Australia, (37) 548.	Xylotrya sp., notes, (31) 254.
Xanthosoma-	Yackas of South Australia, (37) 548.
culture experiments, (40) 434.	Yacon, culture experiments, (30) 640.
spp., analyses and culture, (31) 41.	Yakinia Indian Reservation drainage project, (20)
storage rots, (35) 750. varieties, (35) 134; (38) 526.	280.
Xanthostylum sp., notes, (28) 858.	Yakima irrigation project, Sunnyside unit, (27) 586. Yaks, measurements, (27) 672.
Xanthoxylum, polyembryony, (39) 527.	Yam -
Xenia-	diseases, notes, (39) 248, 453.
and other influences following fertilization,	mucin, notes, (20) 308.
(38) 526.	scale, notes, (40) 259.
in beans, (28) 431; (31) 224, 836. corn, (37) 537.	Yams— analyses and cooking tests, (40) 557.
fowls, (33) 471.	as food, (36) 561.
fowls, (33) 471. pears, (30) 740. rice, (32) 230.	beetle attacking, (40) 260.
rice, (32) 230.	culture and use, (40) 763.
walnuts, (35) 449. wheat, (30) 235.	culture experiments, (29) 637; (32) 227; (38) 336; (40) 434.
white mustard, (35) 835.	culture in Philippines, (26) 361; (40) 231.
Xenocrepis mexicana n.sp., description, (36) 555.	culture in Philippines, (26) 361; (40) 231. fertilizer experiments, (29) 637; (30) 525.

Yams-Continued.	Yeast -Continued.
Indian, composition, (27) 268. insects affecting, (27) 153; (30) 516; (31) 349.	drying, (27) 669. effect on —
leaf disease of, (36) 318. mucinase in, (31) 312. notes, (26) 362, 810; (27) 842; (31) 334.	hetain, (33) 312.
mucinase in, (31) 312.	fermentation of tea, (32) 111. protein form ition, (31) 223; (35) 634,
treatise, (33) 437.	soils, (31) 818.
to be a seed smit discounce (97) (69)	tartaric acid, (29) 504; (36) 801.
tation that with diseases, (31) 432; (28) 828; (20) 437; (31) 525; (31) 524; (33) 535; (35) 134; (36) 735; (38) 33, 335, 526; (40) 231, 522, 637. weevis affecting, (38) 861. Yaqona, insects affecting, (27) 453.	examination, (30) 669. factories, fermentation processes in, (29) 509.
735; (38) 33, 335, 526; (40) 231, 522, 637.	fermentation of albumin in, (33) 821.
weevils affecting, (38) 861.	fixation of atmospheric nitrogen by, (26) 123.
Yaqona, insects affecting, (27) 453.	Food, Arkady, effects, (40) 762. food hormones of, (36) 865; (40) 463.
Yarn making, textbook, (40) 899. Yarrow seed, vitality, (27) 710. Yarrow, violatile oll of, (35) 807.	food, tests, (39) 360.
Yarrow, violatile oil of, (35) 807.	for bread making, (39) 203.
Yautias— as food, (36) 561.	for cows, (32) 871. for the Tropics, (31) 166.
as food, (36) 561. culture, (38) 231.	formation of invertase in, (25), 202, 408.
culture and analyses, (32) 37. culture experiments, (29) 637.	forms of in wine, (30) 711, 712, fungt, protein metabolism of, (33) 202.
culture in Philippines, (40) 244.	glucolytic ferment, (27) 765.
fertilizer experiments, (29) 637.	glicolytic ferment, (27) 765. grains, analyses, (38) 665; (40) 72, 571, 665.
notes, (20) 362; (27) 842. varieties, (29) 637; (33) 535. Yearhooks of United States Department of Agri-	grains, dried, analyses, (35) 867; (38) 67, 369, growth in arsenic solutions, (35) 281.
Yearbooks of United States Department of Agri-	growth-promoting substance in (36) 160
culture, index, (29) 599. Yeast—	in butter, notes, (2i) 478. in sil ige, (27) 204.
accessory growth substance in, (38) 503.	in wine fermentation, (30) 802.
accustomation to galactose, (28) 202.	invertase content, increasing, (31) 110.
acid-destroying, effect on lactic bacteria, (20) 8 alcohol production by, (40) 326.	invertise, hydrolyzing properties, (32) 803, isolation and testing of pure cultures, (29) 119.
and vinegar grains, analyses, (36) 667.	isolation of fat from, (29) 459.
antineuritis base of, (28) 67.	making, old-time method, (40) 864.
antipolyneuritic substances from, (40) 174. as affected by—	manufacture, (28) 358. mixed cultures v. pure cultures, (20) 714.
motallic salts, (28) 527. spices, (38) 469.	now glucolytic ferment of, (28) 710.
spices, (38) 469. Volutile conifer products, (32) 618.	nitrate reduction by, (33) 726. nutriments in bread making, (36) 261.
as beriberi preventive. (28) 761.	nutritive value, (36) 464.
feeding stuff, (36) 367. food, (34) 164.	osmotic pressure and electrical conductivity of (30) 523.
leavening agents, (33) 66.	penetration of egg shells by, (20) 765.
polyneuritis preventive, (28) 761.	preparation and utilization as food, (35) 266.
assimilation— investigations (28) 824	preparation of vitamin fraction, (35) 311.
investigations, (28) 824. of nitrogen by, (28) 35; (30) 629; (32) 728. of sodium thiosulphate by, (29) 29, 30.	production of alcohol by, (20) 711. protein, examination, (30) 501. protein substances of, (32) 803. protein synthesis by, (27) 525. protoculastic orazyms, (39) 607. pure, use in wine making, (32) 117, 208. public to join compounds, (20) 133.
of sodium thiosulphate by, (20) 29, 30.	protein substances of, (32) 803.
autofermentation of, (28) 867. autolysis, (39) 10.	proteoclastic enzyms, (39) 607.
autolysis, synthetic processes in, (32) 710.	pure, use in wine making, (32) 117, 208.
bacteria, and molds, treatise, (27) 727. baker's, studies, (31) 555.	relation to iodin compounds, (20) 133. relation to organic soil constituents, (29) 817.
cell, nutritional physiology of, (32) 308.	resistance to distributants, (28) 478.
colls—	respiratory pigments of, (24) 325. staining, Gram's method, (31) 478.
assimilation of nutrients by, (29) 732. formation of glycogen in, (28) 631.	Stimilistian by halganaite substances. (27) 131
living, as affected by phosphates, (26) 309. permeability, (26) 326. chemistry of, (34) 711.	storage of oxygen by, (23) 329. symblesis by various types of, (29) 714. therapeutic action in polyneuritis, (30) 79. thermal death point, (38) 468. use in carbohydrate analysis, (35) 206, 315.
chemistry of (34) 711	therapautic action in polynauritis, (30) 70.
cleavage of methyl glucosid by, (30) 11.	thermal death point, (38) 468.
cleavage of methyl rlucosid by, (30) 11. combination as feeding stuff, (30) 585. composition and digostibility, (27) 689; (31) 165. cooked, as cattle feed, (27) 277. culture and tests, (30) 712. cultures, pure, use in wine making, (28) 209. ded demotion of content diariely (27) 203	use in carbohydrate analysis, (35) 208, 315,
cooked, as cattle feed, (27) 277.	use in preparation of media, (10) 403. use in wine making, (34) 207.
culture and tests, (30) 712.	use in white making, (34) 207. utilization in the human organism, (27) 168. utilization of inulin by, (31) 221. yltamin-fraction from, (29) 661.
dead, formation of curbon dioxid by (37) 203.	vitamin-fraction from (20) 661.
decomposition of lactic acid by, (37) 202.	vitamins, studies, (39) 667. waste as feeding stud, (34) 262.
dead, formation of earlier dioxid by, (37) 203. decomposition of lactic acid by, (37) 202. de imposition of silicates by, (31) 121. de rmination of acidity, (29) 864.	waste as feeding stail, (34) 202. wine, effects of salts on, (39) 503.
development in various media, (30) 111.	Yellow fever—
development of reproductive organs, (37) 631.	investigations, (37) 357.
dictetic value, (36) 158. differentiation of various kinds, (33) 611.	mosquito—see also Stegomyin. distribution and bionomics, (27) 656.
dried-	oarly name, (36) 552.
analyses and feeding value, (36) 571. as feeding stuff, (33) 467; (34) 298.	notes, (29) 650. occurrence in Russia, (33) 749.
composition, (33) 467.	Yellow -
effect on milk, (34) 471.	jasmine, poisoning of cattle by. (34) 80.
feeding value. (26) 468.	necked exterpillar, notes, (27) 755; (39) 761, rattle as a weed on arable land, (30) 141.
composition, (33) 467. effect on milk, (34) 471. enzyms of, (30) 504. feeding value, (26) 468, for cows, (36) 374.	rattle, eradication, (40) 833.
doinestic adimais, (25) 305,	rocket, eradication, (37) 742. scale, notes, (26) 553.
horses, (30) 175. pigs, (27) 874.	Yerba mate
nutritive value, (38) 861.	adulteration, (40) 558.
use in preparation of molasses fee is, (26)	adulteration, (40) 558. alkaloids in, (31) 358. culture, (32) 142.
v. meat meal for pigs, (23) 663.	seeds, germination, (36) 445.
dry boor, analyses and feeding value. (29) 467.	tea, analyses, (32) 856; (35) 663.

Yerba-	Zeoras -
rosario, culture, (34) 736.	teeth, studies, (27) 674. treatise, (28) 269.
sante mealy bug, notes, (29) 455. Yew—	ntilization, (26) 369.
culture experiments, (26) 141.	Zebroids, tertifity of, (26) 163.
diseases, notes, (26) 853. Pacific, density and perosity, (32) 47.	Zebu hybrids, notes, (27) 872. Zebu-cattle hybrids —
Yezosiphum n.g., description, (40) 60.	characteristics, (32) 669.
Yoghourt —	characteristics, (32) 669. heredity in, (28) 68.
analyses, (26) 80. bacillus, cultivation, (27) 765.	measurements, (27) 672. notes, (31) 664.
bacillus, studies, (35) 278.	Zebus-
boothise toute of elemine (3A) 574	and bantengs, zoological relationship, (31) 166.
bacteriology of, (29) 279, 376, 377. bread, notes, (27) 765. manufacture, (28) 177.	erossing with cattle, (26) 472; (29) 369, 666; (30) 567; (33) 870.
manufacture, (28) 177.	567; (33) 870. digestion experiments, (29) 69; (30) 568. hall-bred, milk production, (30) 74.
methods of analysis, (31) 114.	half-bred, milk production, (30) 74. hybridization experiments, (28) 670.
proparation, (29) 376, 377. preparation and use, (27) 75; (34) 474.	in Brazil, (33) 469.
preparations, notes, (28) 278.	Formosa and India, measurements, (28) 365
preparations, supervision of trade in, (26) 374.	Jamaica, (27) 172 Philippines (32) 260
studies, (29) 59. use against calf dysentery, (26) 682.	Philippines, (32) 260. Tunisu, (33) 469.
Yohimbine, nature and use, (26) 580.	introduction into Texas, (28) 874.
Yokohama beans—	measurements, (27) 672. piroplasms of, (26) 782.
culture, (32) 226. yields, (29) 224.	value for tick-infested regions, (38) 69.
Yolk	Zein-
formation, peculiar, (26) 573. nucleus, structure and origin, (28) 766.	as affected by gastric juice, (28) 66. effect on wheat gluten, (26) 67.
Yorkshire fog, notes, (30) 131.	in nutrition and growth, (31) 559.
Yothers' Formula IV, tests, (29) 202.	lysin content, (29) 408; (31) 559.
Young, J. R., biographical notes, (40) 869. Yponomeuts—	nutritive value, (31) 264; (35) 368. proteoses, physiological action, (34) 71
malinella, see Apple ormine moth.	utilization, (30) 316. Zoism, similarity to pellagra, (31) 464.
spp., notes, (20) 252; (36) 549. spp., studies, (28) 557.	Zeism, similarity to pellagra, (31) 464. Zeitschrift für—
Ypophaemyia malacosomae n.g. and n.sp., descrip-	Analytische Chemie, index, (30) 117.
tion, (36) 554.	Analytische Chemie, index, (30) 117. Angewundte Chemie, index, (26) 306; (20) 501.
Ypsolophus ligulellus, see Palmer worm. Yttrium, effect on permeability, (34) 34.	Zele spp. in Great Britain, (32) 454.
Yucca—	vertebrata, notes, (35) 259.
culture in Cuba, (38) 538.	wildermuthii n.sp., description, (35) 259.
elata as emergency forage, (39) 772. elata as silage crop, (38) 471.	Zelleria haimbachi n.sp., description, (33) 748. Zelotypa fungicola n.sp., description, (33) 360.
filamentosa, saponin of, (37) 9.	Zenillia pexops, life history, (32) 352.
Yuccos—	Zeolito—
of Durango, Mexico, (31) 132. use in feeding, (40) 276, 277, 471.	artificial, as source of potash, (37) 322. as source of potash, (29) 625; (36) 728.
Yukon River basin, hydrology, (32) 382.	potash, solubility, (34) 328.
Yuma— Experiment Farm, work, (39) 497.	Zeolites absorption of phosphoric acid by, (28) 518.
Experiment Farm, report, (40) 404.	commercial, analyses, (40) 588.
project, irrigation requirements, (40) 484. "Zaaidams" in irrigation, (31) 782.	forthizing value, (29) 211.
Zacate, notes, (26) 361.	relation to ammonia absorption and nitrifica- tion, (39) 520.
Zacaton—	soil, properties of, (30) 23.
as paper-making material, (34) 318. description and culture (37) 141.	Zephyranthes-Cooperia hybrids, description, (20) 341.
Zaghouaniaceae, monograph, (36) 647.	Zengophora scutellaris, notes, (40) 758.
Zagrammosomu flavolineatum, notes, (36) 655.	Zeuzera pyrina, see Luopard moth.
Zaitha flumineum, death folgning, (27) 457. Zaleptopygus oberese n.g. and n.sp., description,	Zignoella — (30) 459.
(29) 562.	garciniae, notes, (35) 153.
Zalophothrix mirum—	nobilis n.sp., notes, (37) 148.
notes, (28) 452. parasitic on black scale, (28) 558.	Aine - antagonism to alkali salts, (39) 619.
Zanthoxylum spp., notes, (30) 145. Zaommosneyrtus submicans n.g. and n.sp., do-	arsonate, insectleidal value, (34) 00.
_ scription, (35) 761.	arsenite— analyses, (27) 756: (31) 49, 142; (38) 648.
Zapupe-	analyses, (27) 756; (31) 49, 142; (38) 648. offect of soap on settling, (26) 354. insecticidal value, (27) 161; (29) 253; (32)
binder twine from, (27) 534. fiber, strength of, (29) 313.	insecticidal value, (27) 161; (29) 253; (32)
manufacture of alcohol from, (26) 415.	158, 846. tests, (30) 156.
Zarzabacoa, culture, (34) 736.	as growth stimulant for hemp, (33) 432.
Zatropis deuterus n.sp., description, (26) 352. Zea—	assimilation by Aspergillus niger, (80) 528, 630,
caragua, analyses, (31) 863.	824; (31) 224. chlorid—
ramosa and Z. tunicata, hybrids of, (37) 536.	antisentic and germicidal value. (37) 176.
tunicata and Z. ramosa, hybrids, (38) 525. Zebra—	as timber preservative, (20) 644; (38) 248. detection in wood, (20) 242.
caterpillar in Nova Scotla. (39) 160; (40) 57.	effect on starch ferments, (27) 109.
horse hybrids, skull characters, (38) 65.	use in soil disinfection, (33) 250.
hybridization experiments, (30) 270. hybrids, utilization, (26) 369.	compounds— effect on plant growth, (32) 121.
in pleistocene fauna of France. (27) 468.	effect on plant growth, (32) 121, toxicity toward plants. (33) 327 detection in water, (34) 410.
mountain, hybrid, notes, (26) 269.	datection in water, (34) 410. determination, (40) 610.
mountain, hybrids, fertility, (26) 168.	Mendermentary (an) are:

Zinc-Continued.	Zoology-
determination in— gelatin, (40) 712.	ngricultural, textbook, (30) 248, bibliography, (26) 753; (28) 247; (31) 56; (33)
treated wood, (33) 208.	450: (50) 151.
water, (39) 205. effect on —	Canadian, bibliography, (26) 59; (27) 551; (30) 52; (31) 648; (34) 651; (38) 256.
Aspergillus niger, (28) 226, 824. Aspergillus spp., (29) 825.	contributions to human welfare, (38) 663. dictionary, (26) 652.
nurogen-living bacteria, (38) 428.	economic -
fertilizing value, (27) 500; (28) 34. fluorid as pole preservative, (27) 148.	fall manual, (27) 756, tox thook, (33) 659
in glass containers as source of error in water	textbook, (33) 652, treatise, (30) 52; (38) 456,
culture experiments, (32) 128. oxid, effect on germination of seeds, (29) 528.	experimental, treatise, (26) 163, International Congress, (33) 450.
oxid, pharmaceutical, lead in, (10) 413.	modical and veterinary, index-catalogue, (26)
pipe, use in water supplies, (31) 189. pipes for carrying water, (33) 188.	753; (28) 248. review of literature, (27) 368; (28) 247.
pipos for carrying water, (33) 188. poisoning, notes, (28) 677. rôle in growth of fungi, (20) 28.	studies, (31) 277. textbook, (26) 652.
Salts-	vertebrate, subspecific intergradation in, (40)
action on plants, (39) 630. as wood preservatives, (32) 841.	254. yearbook, (31) 194.
effect on ammonification and nitrification	Zootechny-
in soils, (31) 120. effect on disease susceptibility in cereals,	instruction in, (28) 597. treatise, (26) 873; (30) 170, 174.
(29) 844.	Zophodia—
effect on wheat, (29) 520; (31) 218. silicofluorid as wood preservative, (30) 646.	convolutella, notes, (33) 652. grossulariae, see Gooseberry fruit worm.
sulphate, effect on—	Zorotypus hubbardi n.sp., notes, (40) 260. Zostera marina —
ammonification, (28) 724. olives, (26) 825. plant growth, (30) 130; (31) 325.	analyses, (37) 814.
plant growth, (30) 130; (31) 325. sulphate, fertilizing value, (30) 627; (40) 440.	culture for wild ducks, (33) 251. Zovsia purgens, notes, (26) 362.
toxic effect on plants, (38) 628.	Zoysia pungens, notes, (26) 362. Zulder Zee – (10) 487
vessels in culture experiments, effect of, (33) 623. white, effect on linseed oil, (28) 714.	draining, (40) 487. reclamation, (32) 481.
white, effect on linseed oil, (28) 714. yellow, effect on linseed oil, (28) 714. Zindroin founding page (20) 286	Zukalla — n.spp., descriptions, (36) 245.
Zinckenia fascialis, notes, (26) 250. Zingiberone—	nantoensis n.sp., notes, (39) 753.
corrected name for, (39) 412.	these n.sp., description, (38) 618. Zygadenin—
Zinnias, cut, preservation, (31) 837.	isolation from death camas, (28) 197.
"Zinyamunga, composition, (28) 873. "Zinangu," analyses, (31) 759.	notes, (28) 506; (30) 412. Zygadonus—
isolation and chemical constitution, (37) 612. Zinnias, cut, preservation, (31) 837. Zinyamunga, composition, (28) 873. "Zipangu," analyses, (31) 789. Zirconia, distribution in loam soils, (31) 618.	chemical studies, (33) 177.
Zirconium in soils, (31) 720. Zizania, cultivation by Indians, (38) 34.	description, (32) 474. intermedius
Zizera labradus, injurious to alfalfa, (26) 655.	analyses, (26) 503; (30) 412. crystalling alkaloid of, (28) 506.
Zizyphus mucronatus, analyses and digestibility, (32) 167.	examination, (27) 881.
Zodiacal light, (30) 713.	toxicity, (39) 184. monograph, (33) 177.
Zodiacal light— and counterglow, photography of, (35) 618.	venonosus, description, (39) 386. venonosus, notes, (32) 778.
Birkeland's theory, (31) 615. nature, (34) 117.	Zygaena ampelophaga, notes, (40) 648.
notes, (32) 25, 614.	Zygophyllum -
Zodion, synopsis, (36) 255. Zonocerus elegans, notes, (29) 853.	alline microcarpum, analyses and digestibility. (27) 871; (32) 167.
Zonocerus elegans, notos, (29) 853. Zonocerus elegans, remedies, (30) 54.	tobago, analyses, (33) 466. Zygoptera of Illinois, (30) 763.
Zonotrichia albicollis, coccidiosis in, (26) 187. Zoccacidia—	Zygorhynchus
of Cassel and adjacent districts, catalogue, (20)	moelleri, occurrence in Michigan, (27) 223. vuilleminii, ammonia production by, (30) 221.
65. of northeastern United States and eastern Can-	vullenting, ammonifying power, (32) 29.
ada, (30) 868. of Switzerland, catalogue, (31) 658. Zooccelds of North Africa, (27) 594; (28) 357. Zoogeographical elements of continental regions,	Zygosaccharomyces priorianus, symblosis by, (20) 711.
Zoocccids of North Africa, (27) 584; (28) 357.	spp. in wine, (30) 711. Zygosporium paraense n.sp., notes, (37) 253.
Zoogeographical elements of continental regions, (31) 452.	Zygotaxis, notos, (30) 328.
Zoological—]	Zymase— formation in plants, (39) 733.
congress, international, proceedings, (27) 655.	in departors and sugar beets, (35) 634. In Yeast, (26) 300.
index of genera and subgenera, (29) 157. philosophy, treatise, (33) 552.	increasing and inhibiting activity of, (28) 504.
Zoologists, vertebrate, role in national efficiency, (38) 555.	Zymuses as affected by tolucl, (28) 803. Zymin, enzyms of, (30) 504.
1-16	regularly viney talls they tours

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